

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 7/15/2021 Revision date: 1/8/2024 Supersedes version of: 11/28/2023 Version: 2.0

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

|               |                                                           |
|---------------|-----------------------------------------------------------|
| Product form  | : Mixture                                                 |
| Trade name    | : Modesta BC-05B - Advanced Water-repellent Glass Coating |
| UFI           | : 8CNW-EFRJ-190D-J1S4                                     |
| Product code  | : 00329B                                                  |
| Product group | : Trade product                                           |

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### Relevant identified uses

|                                  |                                     |
|----------------------------------|-------------------------------------|
| Main use category                | : Professional use                  |
| Industrial/Professional use spec | : For professional use only         |
| Use of the substance/mixture     | : Automotive and aerospace coatings |

### 1.3. Details of the supplier of the safety data sheet

#### Manufacturer

Modesta Japan Ltd  
1580-1 Tahishimomachi  
JP 761-8075 Takamatsushi, Kagawaken  
Japan  
[www.modesta.co](http://www.modesta.co)

### 1.4. Emergency telephone number

No additional information available

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No. 1272/2008 [CLP]

|                                                                                            |      |
|--------------------------------------------------------------------------------------------|------|
| Flammable liquids, Category 2                                                              | H225 |
| Acute toxicity (oral), Category 4                                                          | H302 |
| Acute toxicity (inhalation:dust,mist) Category 4                                           | H332 |
| Skin corrosion/irritation, Category 2                                                      | H315 |
| Serious eye damage/eye irritation, Category 1                                              | H318 |
| Specific target organ toxicity – Single exposure, Category 2                               | H371 |
| Specific target organ toxicity – Single exposure, Category 3, Narcosis                     | H336 |
| Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation | H335 |
| Full text of H- and EUH-statements: see section 16                                         |      |

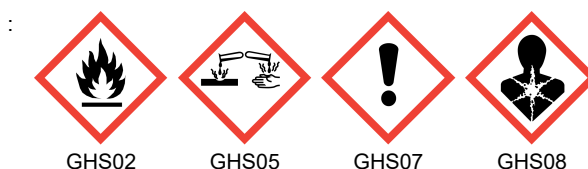
#### Adverse physicochemical, human health and environmental effects

Highly flammable liquid and vapour. May cause damage to organs. May cause drowsiness or dizziness. Harmful if inhaled. Harmful if swallowed. May cause respiratory irritation. Causes skin irritation. Causes serious eye damage.

### 2.2. Label elements

#### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



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|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal word (CLP)              | : Danger                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Contains                       | : Isopropyl alcohol; 2-butoxyethanol; Butyl cellosolve; Xylene; Titanium tetrabutoxide; 1-methoxy-2-propanol; monopropylene glycol methyl ether; Methanol                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Hazard statements (CLP)        | : H225 - Highly flammable liquid and vapour.<br>H302+H332 - Harmful if swallowed or if inhaled.<br>H315 - Causes skin irritation.<br>H318 - Causes serious eye damage.<br>H335 - May cause respiratory irritation.<br>H336 - May cause drowsiness or dizziness.<br>H371 - May cause damage to organs (thymus) (oral).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Precautionary statements (CLP) | : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.<br>P233 - Keep container tightly closed.<br>P240 - Ground and bond container and receiving equipment.<br>P241 - Use explosion-proof electrical/ventilating/lighting equipment.<br>P260 - Do not breathe vapours, mist.<br>P264 - Wash hands thoroughly after handling.<br>P270 - Do not eat, drink or smoke when using this product.<br>P271 - Use only outdoors or in a well-ventilated area.<br>P280 - Wear protective gloves, eye protection.<br>P301+P312 - IF SWALLOWED: Call doctor if you feel unwell.<br>P302+P352 - IF ON SKIN: Wash with plenty of water.<br>P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.<br>P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.<br>P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.<br>P308+P311 - IF exposed or concerned: Call doctor.<br>P310 - Immediately call a doctor.<br>P312 - Call doctor if you feel unwell.<br>P321 - Specific treatment (see supplemental first aid instruction on this label).<br>P330 - Rinse mouth.<br>P332+P313 - If skin irritation occurs: Get medical advice/attention.<br>P362+P364 - Take off contaminated clothing and wash it before reuse.<br>P370+P378 - In case of fire: Use alcohol resistant foam to extinguish.<br>P403+P233 - Store in a well-ventilated place. Keep container tightly closed.<br>P403+P235 - Store in a well-ventilated place. Keep cool.<br>P405 - Store locked up.<br>P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation. |

Labelling according to: exemption for inner packaging where the contents do not exceed 10ml

|                         |   |                                                                                     |                                                                                     |
|-------------------------|---|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| Hazard pictograms (CLP) | : |  |  |
|                         |   | GHS08                                                                               | GHS05                                                                               |

|                       |                                                                                                                                                           |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Hazardous ingredients | : Isopropyl alcohol; 2-butoxyethanol; Butyl cellosolve; Xylene; Titanium tetrabutoxide; 1-methoxy-2-propanol; monopropylene glycol methyl ether; Methanol |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|

### 2.3. Other hazards

Contains no PBT and/or vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH Annex XIII

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

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| Component                                                                                                                                                                                                                                                                                                                               |                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| Substance(s) not included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 | 1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2) |

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

| Name                                                                                                                                                                   | Product identifier                                                    | %       | Classification according to Regulation (EC) No. 1272/2008 [CLP]                                                                      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------------------------------------------------------|
| Titanium tetrabutoxide                                                                                                                                                 | CAS-No.: 5593-70-4<br>EC-No.: 227-006-8                               | 10 – 30 | Flam. Liq. 3, H226<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>STOT SE 3, H335<br>STOT SE 3, H336                                  |
| 1-methoxy-2-propanol; monopropylene glycol methyl ether<br>substance with national workplace exposure limit(s) (DE, GB, NL, PL, SI, SK)                                | CAS-No.: 107-98-2<br>EC-No.: 203-539-1<br>EC Index-No.: 603-064-00-3  | 10 – 30 | Flam. Liq. 3, H226<br>STOT SE 3, H336                                                                                                |
| Isopropyl alcohol<br>substance with national workplace exposure limit(s) (DE, GB, PL, SI, SK)                                                                          | CAS-No.: 67-63-0<br>EC-No.: 200-661-7<br>EC Index-No.: 603-117-00-0   | 10 – 30 | Flam. Liq. 1, H224<br>Eye Irrit. 2, H319<br>STOT SE 3, H336                                                                          |
| 2-butoxyethanol; Butyl cellosolve<br>substance with national workplace exposure limit(s) (DE, GB, NL, PL, SI, SK); substance with a Community workplace exposure limit | CAS-No.: 111-76-2<br>EC-No.: 203-905-0<br>EC Index-No.: 603-014-00-0  | 10 – 30 | Acute Tox. 4 (Inhalation), H332<br>Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Eye Irrit. 2, H319                            |
| Methanol<br>substance with national workplace exposure limit(s) (DE, GB, NL, PL, SI, SK)                                                                               | CAS-No.: 67-56-1<br>EC-No.: 200-659-6<br>EC Index-No.: 603-001-00-X   | 5 – 10  | Flam. Liq. 2, H225<br>Acute Tox. 3 (Inhalation), H331<br>Acute Tox. 3 (Dermal), H311<br>Acute Tox. 3 (Oral), H301<br>STOT SE 1, H370 |
| Xylene<br>substance with national workplace exposure limit(s) (DE, GB, NL, PL, SI, SK)                                                                                 | CAS-No.: 1330-20-7<br>EC-No.: 215-535-7<br>EC Index-No.: 601-022-00-9 | 1 – 5   | Flam. Liq. 3, H226<br>Acute Tox. 4 (Inhalation), H332<br>Acute Tox. 4 (Dermal), H312<br>Skin Irrit. 2, H315                          |
| Ethylbenzene<br>substance with national workplace exposure limit(s) (DE, GB, NL, PL, SI, SK)                                                                           | CAS-No.: 100-41-4<br>EC-No.: 202-849-4<br>EC Index-No.: 601-023-00-4  | 0.5 – 1 | Flam. Liq. 2, H225<br>Acute Tox. 4 (Inhalation), H332<br>STOT RE 2, H373<br>Asp. Tox. 1, H304                                        |

### Specific concentration limits:

| Name     | Product identifier                                                  | Specific concentration limits (%)                              |
|----------|---------------------------------------------------------------------|----------------------------------------------------------------|
| Methanol | CAS-No.: 67-56-1<br>EC-No.: 200-659-6<br>EC Index-No.: 603-001-00-X | (3 ≤ C < 10) STOT SE 2; H371<br>(10 ≤ C ≤ 100) STOT SE 1; H370 |

Full text of H- and EUH-statements: see section 16

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

|                                       |                                                                                                                                                      |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : IF exposed or concerned: Get medical advice/attention. Call a poison center or a doctor if you feel unwell.                                        |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.                                |
| First-aid measures after skin contact | : Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.             |
| First-aid measures after eye contact  | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. |
| First-aid measures after ingestion    | : Rinse mouth. Call a poison center or a doctor if you feel unwell.                                                                                  |

#### 4.2. Most important symptoms and effects, both acute and delayed

|                                     |                                      |
|-------------------------------------|--------------------------------------|
| Symptoms/effects                    | : May cause drowsiness or dizziness. |
| Symptoms/effects after inhalation   | : May cause respiratory irritation.  |
| Symptoms/effects after skin contact | : Irritation.                        |
| Symptoms/effects after eye contact  | : Serious damage to eyes.            |
| Symptoms/effects after ingestion    | : None under normal conditions.      |

#### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

|                                |                                                  |
|--------------------------------|--------------------------------------------------|
| Suitable extinguishing media   | : Water spray. Dry powder. Foam. Carbon dioxide. |
| Unsuitable extinguishing media | : Do not use a heavy water stream.               |

#### 5.2. Special hazards arising from the substance or mixture

|                                                  |                                       |
|--------------------------------------------------|---------------------------------------|
| Fire hazard                                      | : Highly flammable liquid and vapour. |
| Explosion hazard                                 | : No direct explosion hazard.         |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released.        |

#### 5.3. Advice for firefighters

|                                |                                                                                                                                                       |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Firefighting instructions      | : Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. |
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.              |

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

|                  |                                                                                                                                         |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| General measures | : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb spillage to prevent material damage. |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------|

##### For non-emergency personnel

|                      |                                                                                                                                                          |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective equipment | : Wear recommended personal protective equipment.                                                                                                        |
| Emergency procedures | : Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. |

##### For emergency responders

|                      |                                                                                                                                                             |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
| Emergency procedures | : Evacuate unnecessary personnel. Stop leak if safe to do so.                                                                                               |

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### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

- |                         |                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For containment         | : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak without risks if possible. |
| Methods for cleaning up | : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.                                                                         |
| Other information       | : Dispose of materials or solid residues at an authorized site.                                                                                                                       |

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

- |                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Additional hazards when processed | : Not expected to present a significant hazard under anticipated conditions of normal use.                                                                                                                                                                                                                                                                                                                                                                                                  |
| Precautions for safe handling     | : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Do not breathe dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. |
| Hygiene measures                  | : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.                                                                                                                                                                                                                                                                                                                                                |

### 7.2. Conditions for safe storage, including any incompatibilities

- |                     |                                                                                                |
|---------------------|------------------------------------------------------------------------------------------------|
| Technical measures  | : Ground/bond container and receiving equipment.                                               |
| Storage conditions  | : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up. |
| Storage temperature | : 22 °C                                                                                        |
| Packaging materials | : Store always product in container of same material as original container.                    |

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

#### Appropriate engineering controls

##### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Personal protection equipment

##### Personal protective equipment:

Wear recommended personal protective equipment.

##### Personal protective equipment symbol(s):



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### Eye and face protection

#### Eye protection:

Safety glasses

| Eye protection |                      |                   |          |
|----------------|----------------------|-------------------|----------|
| Type           | Field of application | Characteristics   | Standard |
| Safety glasses |                      | With side shields | EN 166   |

### Skin protection

#### Skin and body protection:

Wear suitable protective clothing

| Skin and body protection |                           |
|--------------------------|---------------------------|
| Type                     | Standard                  |
|                          | EN ISO 6529, EN ISO 20345 |

#### Hand protection:

Protective gloves

| Hand protection   |                                                  |                   |                |             |                                    |
|-------------------|--------------------------------------------------|-------------------|----------------|-------------|------------------------------------|
| Type              | Material                                         | Permeation        | Thickness (mm) | Penetration | Standard                           |
| Disposable gloves | Nitrile rubber (NBR),<br>Chloroprene rubber (CR) | 6 (> 480 minutes) | 0,4-0,7        |             | EN ISO 374, EN ISO 374-1, EN 374-2 |

### Respiratory protection

#### Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

| Respiratory protection                     |             |                     |          |
|--------------------------------------------|-------------|---------------------|----------|
| Device                                     | Filter type | Condition           | Standard |
| Air-Purifying Respirator (APR), disposable |             | Short term exposure |          |

### Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                           |                                       |
|---------------------------|---------------------------------------|
| Physical state            | : Liquid                              |
| Colour                    | : Colourless.                         |
| Odour                     | : Not available                       |
| Odour threshold           | : Not available                       |
| Melting point             | : Not available                       |
| Freezing point            | : Not available                       |
| Boiling point             | : 91.1 °C                             |
| Flammability              | : Highly flammable liquid and vapour. |
| Lower explosion limit     | : Not available                       |
| Upper explosion limit     | : Not available                       |
| Flash point               | : 15.6 °C                             |
| Auto-ignition temperature | : Not available                       |
| Decomposition temperature | : Not available                       |

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|                                                 |                                              |
|-------------------------------------------------|----------------------------------------------|
| pH                                              | : Not available                              |
| Viscosity, kinematic                            | : Not available                              |
| Solubility                                      | : Not miscible. Soluble in organic solvents. |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                              |
| Vapour pressure                                 | : Not available                              |
| Vapour pressure at 50°C                         | : Not available                              |
| Density                                         | : Not available                              |
| Relative density                                | : Not available                              |
| Relative vapour density at 20°C                 | : 1.04                                       |
| Particle characteristics                        | : Not applicable                             |

### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Highly flammable liquid and vapour. The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition. None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

|                             |                                             |
|-----------------------------|---------------------------------------------|
| Acute toxicity (oral)       | : Harmful if swallowed.                     |
| Acute toxicity (dermal)     | : Not classified                            |
| Acute toxicity (inhalation) | : Inhalation:dust,mist: Harmful if inhaled. |

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|                     |                           |
|---------------------|---------------------------|
| ATE CLP (oral)      | 1111.111 mg/kg bodyweight |
| ATE CLP (dust,mist) | 4.335 mg/l/4h             |

#### Isopropyl alcohol (67-63-0)

|                    |                                                                            |
|--------------------|----------------------------------------------------------------------------|
| LD50 oral rat      | 5840 mg/l Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
| LD50 oral          | 4384 mg/kg                                                                 |
| LD50 dermal rabbit | 16400 mg/kg Source: ECHA                                                   |
| LD50 dermal        | 4000 mg/kg                                                                 |

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| 2-butoxyethanol; Butyl cellosolve (111-76-2)                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LD50 oral rat                                                      | 1746 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1322 - 2301                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| LD50 oral                                                          | 1414 mg/kg bodyweight Animal: guinea pig, Guideline: OECD Guideline 401 (Acute Oral Toxicity), 95% CL: 1020 - 1961                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| LD50 dermal rat                                                    | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| LD50 dermal                                                        | 220 mg/kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| LC50 Inhalation - Rat (Vapours)                                    | 2.03 mg/l/4h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Xylene (1330-20-7)                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| LD50 oral rat                                                      | 3523 mg/kg Source: ECHA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| LD50 oral                                                          | 3600 mg/kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| LD50 dermal rabbit                                                 | 12126 mg/kg bodyweight Animal: rabbit, Animal sex: male                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| LD50 dermal                                                        | 1700 mg/kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| LC50 Inhalation - Rat (Vapours)                                    | 27.57 mg/l/4h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Ethylbenzene (100-41-4)                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| LD50 oral rat                                                      | 3500 mg/kg Source: ECHA, HSDB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| LD50 dermal rabbit                                                 | 15400 mg/kg Source: ECHA, ChemIDPLUS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Titanium tetrabutoxide (5593-70-4)                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| LD50 oral rat                                                      | > 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Guideline: EU Method B.1 tris (Acute Oral Toxicity - Acute Toxic Class Method), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity), Guideline: other: Japanese Ministry of Agriculture, Forestry and Fisheries (JMAFF), 12 Nohsan, Notification No. 8147, April 2011; including the most recent partial revisions., Guideline: other: As required by the Dutch Act on Animal Experimentation (February 1997), this type of protocol was reviewed and agreed by the Laboratory Animal Welfare Officer and the Ethical Committee (DEC 03-42) |
| LD50 oral                                                          | 3122 mg/kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| LD50 oral rat                                                      | 4016 mg/kg Source: ECHA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| LD50 dermal rat                                                    | > 2000 mg/kg bw/day Animal: rat, Guideline: EU Method B.3 (Acute Toxicity (Dermal))                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| LD50 dermal rabbit                                                 | > 2000 mg/kg Source: ECHA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| LC50 Inhalation - Rat (Vapours)                                    | 27.3 mg/l/4h                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Methanol (67-56-1)                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| LD50 oral rat                                                      | 1187 – 2769 mg/l Animal: rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| LD50 oral                                                          | 1400 mg/kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| LD50 dermal rabbit                                                 | 300 mg/kg Source: ECHA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Skin corrosion/irritation                                          | : Causes skin irritation.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Serious eye damage/irritation                                      | : Causes serious eye damage.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Respiratory or skin sensitisation                                  | : Not classified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Germ cell mutagenicity                                             | : Not classified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Carcinogenicity                                                    | : Not classified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Isopropyl alcohol (67-63-0)                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| IARC group                                                         | 3 - Not classifiable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |



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|                                                                           |                                                                                                                                                                                   |
|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>2-butoxyethanol; Butyl cellosolve (111-76-2)</b>                       |                                                                                                                                                                                   |
| IARC group                                                                | 3 - Not classifiable                                                                                                                                                              |
| <b>Xylene (1330-20-7)</b>                                                 |                                                                                                                                                                                   |
| IARC group                                                                | 3 - Not classifiable                                                                                                                                                              |
| <b>Ethylbenzene (100-41-4)</b>                                            |                                                                                                                                                                                   |
| IARC group                                                                | 2B - Possibly carcinogenic to humans                                                                                                                                              |
| Reproductive toxicity                                                     | : Not classified                                                                                                                                                                  |
| <b>Methanol (67-56-1)</b>                                                 |                                                                                                                                                                                   |
| NOAEL (animal/male, F0/P)                                                 | < 1000 mg/kg bodyweight Animal: mouse, Animal sex: male                                                                                                                           |
| STOT-single exposure                                                      | : May cause damage to organs (thymus) (oral). May cause drowsiness or dizziness. May cause respiratory irritation.                                                                |
| <b>Isopropyl alcohol (67-63-0)</b>                                        |                                                                                                                                                                                   |
| STOT-single exposure                                                      | May cause drowsiness or dizziness.                                                                                                                                                |
| <b>Titanium tetrabutoxide (5593-70-4)</b>                                 |                                                                                                                                                                                   |
| STOT-single exposure                                                      | May cause respiratory irritation. May cause drowsiness or dizziness.                                                                                                              |
| <b>1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)</b> |                                                                                                                                                                                   |
| STOT-single exposure                                                      | May cause drowsiness or dizziness.                                                                                                                                                |
| <b>Methanol (67-56-1)</b>                                                 |                                                                                                                                                                                   |
| STOT-single exposure                                                      | Causes damage to organs.                                                                                                                                                          |
| STOT-repeated exposure                                                    | : Not classified                                                                                                                                                                  |
| <b>2-butoxyethanol; Butyl cellosolve (111-76-2)</b>                       |                                                                                                                                                                                   |
| NOAEL (dermal, rat/rabbit, 90 days)                                       | > 150 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 411 (Subchronic Dermal Toxicity: 90-Day Study)                                                                   |
| <b>Xylene (1330-20-7)</b>                                                 |                                                                                                                                                                                   |
| LOAEL (oral, rat, 90 days)                                                | 150 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPP 82-1 (90-Day Oral Toxicity) |
| <b>Ethylbenzene (100-41-4)</b>                                            |                                                                                                                                                                                   |
| NOAEL (oral, rat, 90 days)                                                | 75 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents)                                                                    |
| STOT-repeated exposure                                                    | May cause damage to organs (hearing organs) through prolonged or repeated exposure.                                                                                               |
| <b>Titanium tetrabutoxide (5593-70-4)</b>                                 |                                                                                                                                                                                   |
| NOAEL (oral, rat, 90 days)                                                | 125 mg/kg bodyweight Animal: rat                                                                                                                                                  |
| <b>1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)</b> |                                                                                                                                                                                   |
| LOAEL (oral, rat, 90 days)                                                | 2757 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)                                                |
| NOAEL (oral, rat, 90 days)                                                | 919 mg/kg bodyweight Animal: rat, Animal sex: male, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents)                                                 |
| NOAEL (dermal, rat/rabbit, 90 days)                                       | > 1000 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study)                                                            |
| Aspiration hazard                                                         | : Not classified                                                                                                                                                                  |

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### 1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)

|                      |             |
|----------------------|-------------|
| Viscosity, kinematic | 1.848 mm²/s |
|----------------------|-------------|

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

|                                                           |                                                                                                                         |
|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Ecology - general                                         | : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment. |
| Hazardous to the aquatic environment, short-term (acute)  | : Not classified                                                                                                        |
| Hazardous to the aquatic environment, long-term (chronic) | : Not classified                                                                                                        |

### Isopropyl alcohol (67-63-0)

|                      |                                                          |
|----------------------|----------------------------------------------------------|
| LC50 - Fish [1]      | 10000 mg/l Test organisms (species): Pimephales promelas |
| LC50 - Fish [2]      | 9640 mg/l Test organisms (species): Pimephales promelas  |
| EC50 - Crustacea [1] | 3025 mg/l                                                |

### 2-butoxyethanol; Butyl cellosolve (111-76-2)

|                      |                                                                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| LC50 - Fish [1]      | 1474 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)                                                  |
| EC50 - Crustacea [1] | ≈ 1800 mg/l Test organisms (species): Daphnia magna                                                                                       |
| EC50 72h - Algae [1] | 911 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)  |
| EC50 72h - Algae [2] | 1840 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| NOEC (chronic)       | 100 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                                                                         |
| NOEC chronic fish    | > 100 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '21 d'                                      |

### Xylene (1330-20-7)

|                        |                                                                                                            |
|------------------------|------------------------------------------------------------------------------------------------------------|
| LC50 - Fish [1]        | 2.6 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri)                    |
| EC50 - Crustacea [1]   | > 3.4 mg/l Test organisms (species): Ceriodaphnia dubia                                                    |
| ErC50 algae            | 0.799 mg/l                                                                                                 |
| LOEC (chronic)         | 3.16 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                                         |
| NOEC chronic fish      | > 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d' |
| NOEC chronic crustacea | 0.407 mg/l                                                                                                 |

### Ethylbenzene (100-41-4)

|                      |                                                                                                                                          |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| LC50 - Fish [1]      | 5.1 mg/l Test organisms (species): Menidia menidia                                                                                       |
| EC50 - Crustacea [1] | 0.42 mg/l                                                                                                                                |
| EC50 72h - Algae [1] | 4.9 mg/l Test organisms (species): Skeletonema costatum                                                                                  |
| EC50 72h - Algae [2] | 5.4 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |

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| Ethylbenzene (100-41-4)                                            |                                                                                                                                              |
|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| EC50 96h - Algae [1]                                               | 7.7 mg/l Test organisms (species): Skeletonema costatum                                                                                      |
| EC50 96h - Algae [2]                                               | 3.6 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)     |
| LOEC (chronic)                                                     | 1.7 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'                                                                        |
| NOEC (chronic)                                                     | 0.96 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'                                                                       |
| NOEC chronic crustacea                                             | 0.956 mg/l                                                                                                                                   |
| Titanium tetrabutoxide (5593-70-4)                                 |                                                                                                                                              |
| LC50 - Fish [1]                                                    | 1740 mg/l Test organisms (species): Pimephales promelas                                                                                      |
| EC50 - Crustacea [1]                                               | 590 mg/l Test organisms (species): Daphnia magna                                                                                             |
| EC50 72h - Algae [1]                                               | > 820 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)                                        |
| EC50 72h - Algae [2]                                               | 400 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus)                                          |
| EC50 96h - Algae [1]                                               | 225 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)     |
| 1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2) |                                                                                                                                              |
| LC50 - Fish [1]                                                    | ≥ 1000 mg/l Source: ECHA                                                                                                                     |
| EC50 - Crustacea [1]                                               | 21100 – 25900 mg/l Source: ECHA                                                                                                              |
| EC50 - Other aquatic organisms [1]                                 | 2954 mg/l Test organisms (species): other aquatic crustacea:Acartia tonsa                                                                    |
| EC50 72h - Algae [1]                                               | > 500 mg/l Source: ECHA                                                                                                                      |
| Methanol (67-56-1)                                                 |                                                                                                                                              |
| LC50 - Fish [1]                                                    | 15400 mg/l Test organisms (species): Lepomis macrochirus                                                                                     |
| EC50 - Crustacea [1]                                               | 1340 mg/l                                                                                                                                    |
| EC50 96h - Algae [1]                                               | ≈ 22000 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) |
| NOEC (chronic)                                                     | 208 mg/l Test organisms (species): Daphnia magna Duration: '21 d'                                                                            |
| 12.2. Persistence and degradability                                |                                                                                                                                              |
| Modesta BC-05B - Advanced Water-repellent Glass Coating            |                                                                                                                                              |
| Persistence and degradability                                      | Not rapidly degradable                                                                                                                       |
| Isopropyl alcohol (67-63-0)                                        |                                                                                                                                              |
| Persistence and degradability                                      | Rapidly degradable                                                                                                                           |
| 2-butoxyethanol; Butyl cellosolve (111-76-2)                       |                                                                                                                                              |
| Persistence and degradability                                      | Rapidly degradable                                                                                                                           |
| Xylene (1330-20-7)                                                 |                                                                                                                                              |
| Persistence and degradability                                      | Not rapidly degradable                                                                                                                       |
| Ethylbenzene (100-41-4)                                            |                                                                                                                                              |
| Persistence and degradability                                      | Not rapidly degradable                                                                                                                       |
| Titanium tetrabutoxide (5593-70-4)                                 |                                                                                                                                              |
| Persistence and degradability                                      | Not rapidly degradable                                                                                                                       |

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### 1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

### Methanol (67-56-1)

|                               |                        |
|-------------------------------|------------------------|
| Persistence and degradability | Not rapidly degradable |
|-------------------------------|------------------------|

## 12.3. Bioaccumulative potential

### Isopropyl alcohol (67-63-0)

|                                                 |                   |
|-------------------------------------------------|-------------------|
| Partition coefficient n-octanol/water (Log Pow) | 0.05 Source: ICSC |
|-------------------------------------------------|-------------------|

### 2-butoxyethanol; Butyl cellosolve (111-76-2)

|                                                 |                   |
|-------------------------------------------------|-------------------|
| Partition coefficient n-octanol/water (Log Pow) | 0.81 Source: ECHA |
|-------------------------------------------------|-------------------|

### Xylene (1330-20-7)

|                                                 |                   |
|-------------------------------------------------|-------------------|
| Partition coefficient n-octanol/water (Log Pow) | 3.15 Source: HSDB |
|-------------------------------------------------|-------------------|

### Ethylbenzene (100-41-4)

|                                                 |                   |
|-------------------------------------------------|-------------------|
| Partition coefficient n-octanol/water (Log Pow) | 3.15 Source: HSDB |
|-------------------------------------------------|-------------------|

### 1-methoxy-2-propanol; monopropylene glycol methyl ether (107-98-2)

|                                                 |                    |
|-------------------------------------------------|--------------------|
| Partition coefficient n-octanol/water (Log Pow) | -0.49 Source: HSDB |
|-------------------------------------------------|--------------------|

### Methanol (67-56-1)

|                                                 |                                |
|-------------------------------------------------|--------------------------------|
| Partition coefficient n-octanol/water (Log Pow) | -0.77 Source: HSDB, ChemIDplus |
|-------------------------------------------------|--------------------------------|

## 12.4. Mobility in soil

### Xylene (1330-20-7)

|                  |                  |
|------------------|------------------|
| Mobility in soil | 537 Source: ECHA |
|------------------|------------------|

### Methanol (67-56-1)

|                  |                   |
|------------------|-------------------|
| Mobility in soil | 2.75 Source: HSDB |
|------------------|-------------------|

## 12.5. Results of PBT and vPvB assessment

No additional information available

## 12.6. Endocrine disrupting properties

No additional information available

## 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

|                                            |                                                                                               |
|--------------------------------------------|-----------------------------------------------------------------------------------------------|
| Regional waste regulation                  | : Disposal must be done according to official regulations.                                    |
| Waste treatment methods                    | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| Sewage disposal recommendations            | : Disposal must be done according to official regulations.                                    |
| Product/Packaging disposal recommendations | : Disposal must be done according to official regulations.                                    |
| Additional information                     | : Flammable vapours may accumulate in the container. Do not re-use empty containers.          |

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### SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

| ADR                                                                               | IMDG                                                                                                        | IATA                                                                              | ADN                                                                                 | RID                                                                                 |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 14.1. UN number or ID number                                                      |                                                                                                             |                                                                                   |                                                                                     |                                                                                     |
| UN 1263                                                                           | UN 1263                                                                                                     | UN 1263                                                                           | UN 1263                                                                             | UN 1263                                                                             |
| 14.2. UN proper shipping name                                                     |                                                                                                             |                                                                                   |                                                                                     |                                                                                     |
| PAINT                                                                             | PAINT                                                                                                       | Paint                                                                             | PAINT                                                                               | PAINT                                                                               |
| Transport document description                                                    |                                                                                                             |                                                                                   |                                                                                     |                                                                                     |
| UN 1263 PAINT, 3, II, (D/E)                                                       | UN 1263 PAINT, 3, II                                                                                        | UN 1263 Paint, 3, II                                                              | UN 1263 PAINT, 3, II                                                                | UN 1263 PAINT, 3, II                                                                |
| 14.3. Transport hazard class(es)                                                  |                                                                                                             |                                                                                   |                                                                                     |                                                                                     |
| 3                                                                                 | 3                                                                                                           | 3                                                                                 | 3                                                                                   | 3                                                                                   |
|  |                            |  |  |  |
| 14.4. Packing group                                                               |                                                                                                             |                                                                                   |                                                                                     |                                                                                     |
| II                                                                                | II                                                                                                          | II                                                                                | II                                                                                  | II                                                                                  |
| 14.5. Environmental hazards                                                       |                                                                                                             |                                                                                   |                                                                                     |                                                                                     |
| Dangerous for the environment: No                                                 | Dangerous for the environment: No<br>Marine pollutant: No<br>EmS-No. (Fire): F-E<br>EmS-No. (Spillage): S-E | Dangerous for the environment: No                                                 | Dangerous for the environment: No                                                   | Dangerous for the environment: No                                                   |
| No supplementary information available                                            |                                                                                                             |                                                                                   |                                                                                     |                                                                                     |

### 14.6. Special precautions for user

#### Overland transport

Limited quantities (ADR) : 5I  
Excepted quantities (ADR) : E2  
Transport category (ADR) : 2  
Hazard identification number (Kemler No.) : 33  
Orange plates :



Tunnel restriction code (ADR) : D/E

#### Transport by sea

Special provisions (IMDG) : 163, 367  
Limited quantities (IMDG) : 5 L  
Excepted quantities (IMDG) : E2  
Packing instructions (IMDG) : P001  
Special packing provisions (IMDG) : PP1  
IBC packing instructions (IMDG) : IBC02  
Tank instructions (IMDG) : T4  
Tank special provisions (IMDG) : TP1, TP8, TP28  
Stowage category (IMDG) : B  
Properties and observations (IMDG) : Miscibility with water depends upon the composition.  
MFAG-No : 127

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### Air transport

|                                              |                 |
|----------------------------------------------|-----------------|
| PCA Excepted quantities (IATA)               | : E2            |
| PCA Limited quantities (IATA)                | : Y341          |
| PCA limited quantity max net quantity (IATA) | : 1L            |
| PCA packing instructions (IATA)              | : 353           |
| PCA max net quantity (IATA)                  | : 5L            |
| CAO packing instructions (IATA)              | : 364           |
| CAO max net quantity (IATA)                  | : 60L           |
| Special provisions (IATA)                    | : A3, A72, A192 |
| ERG code (IATA)                              | : 3L            |

### Inland waterway transport

|                                   |                       |
|-----------------------------------|-----------------------|
| Classification code (ADN)         | : F1                  |
| Special provisions (ADN)          | : 163, 367, 640D, 650 |
| Limited quantities (ADN)          | : 5 L                 |
| Excepted quantities (ADN)         | : E2                  |
| Equipment required (ADN)          | : PP, EX, A           |
| Ventilation (ADN)                 | : VE01                |
| Number of blue cones/lights (ADN) | : 1                   |

### Rail transport

|                                                           |                       |
|-----------------------------------------------------------|-----------------------|
| Classification code (RID)                                 | : F1                  |
| Special provisions (RID)                                  | : 163, 367, 640D, 650 |
| Limited quantities (RID)                                  | : 5L                  |
| Excepted quantities (RID)                                 | : E2                  |
| Packing instructions (RID)                                | : P001, IBC02, R001   |
| Special packing provisions (RID)                          | : PP1                 |
| Mixed packing provisions (RID)                            | : MP19                |
| Portable tank and bulk container instructions (RID)       | : T4                  |
| Portable tank and bulk container special provisions (RID) | : TP1, TP8, TP28      |
| Tank codes for RID tanks (RID)                            | : LGBF                |
| Transport category (RID)                                  | : 2                   |
| Colis express (express parcels) (RID)                     | : CE7                 |
| Hazard identification number (RID)                        | : 33                  |

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU-Regulations

#### REACH Annex XVII (Restriction List)

| EU restriction list (REACH Annex XVII) |                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                          |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reference code                         | Applicable on                                                                                                                                                                                     | Entry title or description                                                                                                                                                                                                                                                                               |
| 3(a)                                   | Modesta BC-05B - Advanced Water-repellent Glass Coating ; Isopropyl alcohol ; Xylene ; Ethylbenzene ; Titanium tetrabutoxide ; 1-methoxy-2-propanol; monopropylene glycol methyl ether ; Methanol | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F |

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| EU restriction list (REACH Annex XVII) |                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reference code                         | Applicable on                                                                                                                                                                                                                         | Entry title or description                                                                                                                                                                                                                                                                                                                                                                         |
| 3(b)                                   | Modesta BC-05B - Advanced Water-repellent Glass Coating ; Isopropyl alcohol ; 2-butoxyethanol; Butyl cellosolve ; Xylene ; Ethylbenzene ; Titanium tetrabutoxide ; 1-methoxy-2-propanol; monopropylene glycol methyl ether ; Methanol | Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10                                                                                  |
| 40.                                    | Isopropyl alcohol ; Xylene ; Ethylbenzene ; Titanium tetrabutoxide ; Methanol                                                                                                                                                         | Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not. |
| 69.                                    | Methanol                                                                                                                                                                                                                              | Methanol                                                                                                                                                                                                                                                                                                                                                                                           |

### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

### Ozone Regulation (2024/590)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

### Council Regulation (EC) for the control of dual-use items

Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

## 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

| Abbreviations and acronyms: |                                                                                                 |
|-----------------------------|-------------------------------------------------------------------------------------------------|
| ADN                         | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR                         | European Agreement concerning the International Carriage of Dangerous Goods by Road             |
| ATE                         | Acute Toxicity Estimate                                                                         |
| BCF                         | Bioconcentration factor                                                                         |
| BLV                         | Biological limit value                                                                          |
| BOD                         | Biochemical oxygen demand (BOD)                                                                 |

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| Abbreviations and acronyms: |                                                                              |
|-----------------------------|------------------------------------------------------------------------------|
| COD                         | Chemical oxygen demand (COD)                                                 |
| DMEL                        | Derived Minimal Effect level                                                 |
| DNEL                        | Derived-No Effect Level                                                      |
| EC-No.                      | European Community number                                                    |
| EC50                        | Median effective concentration                                               |
| EN                          | European Standard                                                            |
| IARC                        | International Agency for Research on Cancer                                  |
| IATA                        | International Air Transport Association                                      |
| IMDG                        | International Maritime Dangerous Goods                                       |
| LC50                        | Median lethal concentration                                                  |
| LD50                        | Median lethal dose                                                           |
| LOAEL                       | Lowest Observed Adverse Effect Level                                         |
| NOAEC                       | No-Observed Adverse Effect Concentration                                     |
| NOAEL                       | No-Observed Adverse Effect Level                                             |
| NOEC                        | No-Observed Effect Concentration                                             |
| OECD                        | Organisation for Economic Co-operation and Development                       |
| OEL                         | Occupational Exposure Limit                                                  |
| PBT                         | Persistent Bioaccumulative Toxic                                             |
| PNEC                        | Predicted No-Effect Concentration                                            |
| RID                         | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS                         | Safety Data Sheet                                                            |
| STP                         | Sewage treatment plant                                                       |
| ThOD                        | Theoretical oxygen demand (ThOD)                                             |
| TLM                         | Median Tolerance Limit                                                       |
| VOC                         | Volatile Organic Compounds                                                   |
| CAS-No.                     | Chemical Abstract Service number                                             |
| N.O.S.                      | Not Otherwise Specified                                                      |
| vPvB                        | Very Persistent and Very Bioaccumulative                                     |
| ED                          | Endocrine disruptor                                                          |

| Full text of H- and EUH-statements: |                                               |
|-------------------------------------|-----------------------------------------------|
| Acute Tox. 3 (Dermal)               | Acute toxicity (dermal), Category 3           |
| Acute Tox. 3 (Inhalation)           | Acute toxicity (inhal.), Category 3           |
| Acute Tox. 3 (Oral)                 | Acute toxicity (oral), Category 3             |
| Acute Tox. 4 (Dermal)               | Acute toxicity (dermal), Category 4           |
| Acute Tox. 4 (Inhalation)           | Acute toxicity (inhal.), Category 4           |
| Acute Tox. 4 (Oral)                 | Acute toxicity (oral), Category 4             |
| Asp. Tox. 1                         | Aspiration hazard, Category 1                 |
| Eye Dam. 1                          | Serious eye damage/eye irritation, Category 1 |



# Modesta BC-05B - Advanced Water-repellent Glass Coating

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

| Full text of H- and EUH-statements: |                                                                        |
|-------------------------------------|------------------------------------------------------------------------|
| Eye Irrit. 2                        | Serious eye damage/eye irritation, Category 2                          |
| Flam. Liq. 1                        | Flammable liquids, Category 1                                          |
| Flam. Liq. 2                        | Flammable liquids, Category 2                                          |
| Flam. Liq. 3                        | Flammable liquids, Category 3                                          |
| Skin Irrit. 2                       | Skin corrosion/irritation, Category 2                                  |
| STOT RE 2                           | Specific target organ toxicity – Repeated exposure, Category 2         |
| STOT SE 1                           | Specific target organ toxicity – single exposure, Category 1           |
| STOT SE 2                           | Specific target organ toxicity – Single exposure, Category 2           |
| STOT SE 3                           | Specific target organ toxicity – Single exposure, Category 3, Narcosis |
| H224                                | Extremely flammable liquid and vapour.                                 |
| H225                                | Highly flammable liquid and vapour.                                    |
| H226                                | Flammable liquid and vapour.                                           |
| H301                                | Toxic if swallowed.                                                    |
| H302                                | Harmful if swallowed.                                                  |
| H304                                | May be fatal if swallowed and enters airways.                          |
| H311                                | Toxic in contact with skin.                                            |
| H312                                | Harmful in contact with skin.                                          |
| H315                                | Causes skin irritation.                                                |
| H318                                | Causes serious eye damage.                                             |
| H319                                | Causes serious eye irritation.                                         |
| H331                                | Toxic if inhaled.                                                      |
| H332                                | Harmful if inhaled.                                                    |
| H335                                | May cause respiratory irritation.                                      |
| H336                                | May cause drowsiness or dizziness.                                     |
| H370                                | Causes damage to organs.                                               |
| H371                                | May cause damage to organs (thymus) (oral).                            |
| H373                                | May cause damage to organs through prolonged or repeated exposure.     |

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.