SAFETY DATA SHEET

PRO INDUSTRIAL™ DTM Acrylic Eg-Shel Deep Base

In accordance with the Standard for Classification and Labeling of Chemical Substance and Safety Data Sheet, Article 10 Paragraph 1

Section 1. Chemical product and company identification

A. Product name : PRO INDUSTRIAL™ DTM Acrylic Eg-Shel Deep Base
Product code : B66W1253
Product use : Industrial applications, Used by spraying.

B. Relevant identified uses of the substance or mixture and uses advised against
Identified uses
Not applicable.
Uses advised against
Not applicable.

C. Manufacturer : THE SHERWIN-WILLIAMS COMPANY
101 W. Prospect Avenue
Cleveland, OH 44115

E-mail address of person responsible for this SDS : sds@sherwin.com
Emergency telephone number (with hours of operation) : 00-308-13-2549
+(82) 070-7686-0086
Emergency contact available 24 hours a day

Section 2. Hazards identification

A. Hazard classification : SKIN SENSITIZATION - Category 1
CARCINOGENICITY - Category 1A
AQUATIC HAZARD (ACUTE) - Category 1
AQUATIC HAZARD (LONG-TERM) - Category 3
This product is classified in accordance with the Industrial Safety and Health Act and the Chemical Control Act.

B. GHS label elements, including precautionary statements

Symbol :

Signal word : Danger
Hazard statements : H317 - May cause an allergic skin reaction.
H350 - May cause cancer.
H400 - Very toxic to aquatic life.
H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements

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Version : 9
1/12
SHW-A4-AP-MOEL-KR
Section 2. Hazards identification

**Prevention**
- P201 - Obtain special instructions before use.
- P202 - Do not handle until all safety precautions have been read and understood.
- P280 - Wear protective gloves, protective clothing and eye or face protection.
- P273 - Avoid release to the environment.
- P261 - Avoid breathing vapor.
- P272 - Contaminated work clothing should not be allowed out of the workplace.

**Response**
- P391 - Collect spillage.
- P308 + P313 - IF exposed or concerned: Get medical advice or attention.
- P362 + P364 - Take off contaminated clothing and wash it before reuse.
- P302 + P352 - IF ON SKIN: Wash with plenty of water.
- P333 + P313 - If skin irritation or rash occurs: Get medical advice or attention.

**Storage**
- P405 - Store locked up.

**Disposal**
- P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.

C. Other hazards which do not result in classification

Please refer to the SDS for additional information.

Section 3. Composition/information on ingredients

**Substance/mixture**: Mixture

**Other means of identification**: Not available.

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Common name</th>
<th>Identifiers</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium Dioxide</td>
<td>TITANIUM DIOXIDE SOLIDS</td>
<td>CAS: 13463-67-7</td>
<td>≤10</td>
</tr>
<tr>
<td>Polypropylene glycol alkyl phenyl ether</td>
<td>POLYPROPYLENE GLY ALKYL PHENYL ETH.</td>
<td>CAS: 9064-13-5</td>
<td>≤5</td>
</tr>
<tr>
<td>Benzophenone</td>
<td>BENZOPHENONE</td>
<td>CAS: 119-61-9</td>
<td>≤5</td>
</tr>
<tr>
<td>Cristobalite, respirable powder</td>
<td>CRISTOBALITE 100 PCT</td>
<td>CAS: 14464-46-1</td>
<td>≤5</td>
</tr>
<tr>
<td>Ammonium Hydroxide</td>
<td>AMMONIUM HYDROXIDE</td>
<td>CAS: 1336-21-6</td>
<td>≤5</td>
</tr>
<tr>
<td>3-Iodo-2-propynyl Butyl Carbamate</td>
<td>P-100 / MP 100</td>
<td>CAS: 55406-53-6</td>
<td>≤5</td>
</tr>
<tr>
<td>Sodium Nitrite</td>
<td>SODIUM NITRITE</td>
<td>CAS: 7632-00-0</td>
<td>≤5</td>
</tr>
<tr>
<td>1,2-Benzisothiazolone</td>
<td>1,2-BENZISOTHIAZOLIN</td>
<td>CAS: 2634-33-5</td>
<td>≤5</td>
</tr>
</tbody>
</table>

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

A. **Eye contact**: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

B. **Skin contact**: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.
**Section 4. First aid measures**

**C. Inhalation**

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**D. Ingestion**

Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**E. Notes to physician**

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

- **Specific treatments**
  - No specific treatment.

- **Protection of first-aiders**
  - No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

See toxicological information (Section 11)

**Section 5. Fire-fighting measures**

**A. Extinguishing media**

- **Suitable extinguishing media**
  - Use an extinguishing agent suitable for the surrounding fire.

- **Unsuitable extinguishing media**
  - None known.

**B. Specific hazards arising from the chemical**

- **Hazardous thermal decomposition products**
  - Decomposition products may include the following materials:
    - carbon dioxide
    - carbon monoxide
    - metal oxide/oxides

- **In a fire or if heated, a pressure increase will occur and the container may burst. This material is very toxic to aquatic life. This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.**

**C. Special protective equipment for fire-fighters**

- **Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.**

- **Special precautions for fire-fighters**
  - Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
Section 6. Accidental release measures

A. Personal precautions, protective equipment and emergency procedures

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

B. Environmental precautions

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities. Collect spillage.

C. Methods and materials for containment and cleaning up

Small spill

Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

A. Precautions for safe handling

Protective measures

Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Avoid exposure - obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Avoid release to the environment. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

B. Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.
Section 8. Exposure controls/personal protection

A. Control parameters

Occupational exposure limits

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>Exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium Dioxide</td>
<td>Ministry of Employment and Labor (Republic of Korea, 1/2020).</td>
</tr>
<tr>
<td></td>
<td>TWA: 10 mg/m³ 8 hours.</td>
</tr>
<tr>
<td>Cristobalite, respirable powder</td>
<td>Ministry of Employment and Labor (Republic of Korea, 1/2020).</td>
</tr>
<tr>
<td></td>
<td>TWA: 0.05 mg/m³ 8 hours. Form: Respirable fraction</td>
</tr>
<tr>
<td>ammonia</td>
<td>Ministry of Employment and Labor (Republic of Korea, 1/2020). [Ammonia]</td>
</tr>
<tr>
<td></td>
<td>STEL: 35 ppm 15 minutes. TWA: 25 ppm 8 hours.</td>
</tr>
</tbody>
</table>

Biological exposure indices
No exposure indices known.

B. Appropriate engineering controls

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

C. Personal protective equipment

Respiratory protection: If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

Eye protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

A. Appearance
   Physical state: Liquid.
   Color: Not available.

B. Odor: Not available.

C. Odor threshold: Not available.

D. pH: 9

E. Melting/freezing point: Not available.

F. Boiling point, initial boiling point, and boiling range
   Initial boiling point: 100°C (212°F)

G. Flash point: Closed cup: Not applicable.
   Fire point: Not available.

H. Evaporation rate: 0.09 (butyl acetate = 1)

I. Flammability (solid, gas): Not available.

J. Lower and upper explosive (flammable) limits
   Lower: 0.6%
   Upper: 4.2%

K. Vapor pressure: 2.3 kPa (17.5 mm Hg)

L. Solubility(ies):

<table>
<thead>
<tr>
<th>Media</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>cold water</td>
<td>Partially soluble</td>
</tr>
</tbody>
</table>

Solubility in water: Not available.

M. Vapor density: 1 [Air = 1]

N. Relative density: 1.17

O. Partition coefficient: n-octanol/water: Not applicable.

P. Auto-ignition temperature: Not available.

Q. Decomposition temperature: Not available.

R. Viscosity: Kinematic (40°C (104°F)): >20.5 mm²/s (>20.5 cSt)

Flow time (ISO 2431): Not available.

S. Molecular weight: Not applicable.

Heat of combustion: 0.99 kJ/g

Section 10. Stability and reactivity

A. Chemical stability: The product is stable.
   Possibility of hazardous reactions: Under normal conditions of storage and use, hazardous reactions will not occur.

B. Conditions to avoid: No specific data.

C. Incompatible materials: No specific data.
Section 10. Stability and reactivity

D. Hazardous decomposition products

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

Section 11. Toxicological information

A. Information on the likely routes of exposure

Potential acute health effects

Inhalation: No known significant effects or critical hazards.
Ingestion: No known significant effects or critical hazards.
Skin contact: May cause an allergic skin reaction.
Eye contact: No known significant effects or critical hazards.

Over-exposure signs/symptoms

Inhalation: No specific data.
Ingestion: No specific data.
Skin contact: Adverse symptoms may include the following:
- irritation
- redness
Eye contact: No specific data.

B. Health hazards

Acute toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzophenone</td>
<td>LD50 Dermal</td>
<td>Rabbit</td>
<td>3535 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>&gt;10 g/kg</td>
<td>-</td>
</tr>
<tr>
<td>ammonia</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>350 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>3-iodo-2-propynyl</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>1470 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>butylcarbamate</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1,2-benzisothiazol-3(2H)-one</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>1020 mg/kg</td>
<td>-</td>
</tr>
</tbody>
</table>

Irritation/Corrosion

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Score</th>
<th>Exposure</th>
<th>Observation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium Dioxide</td>
<td>Skin - Mild irritant</td>
<td>Human</td>
<td>-</td>
<td>72 hours</td>
<td>-</td>
</tr>
<tr>
<td>ammonia</td>
<td>Eyes - Severe irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>300 ug l</td>
<td>-</td>
</tr>
<tr>
<td>Nitrous acid, salts</td>
<td>Eyes - Severe irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>0.5 minutes</td>
<td>-</td>
</tr>
<tr>
<td>1,2-benzisothiazol-3(2H)-one</td>
<td>Eyes - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>1 mg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Skin - Mild irritant</td>
<td>Human</td>
<td>-</td>
<td>24 hours</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>500 mg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>48 hours 5 %</td>
<td>-</td>
</tr>
</tbody>
</table>

Sensitization

Not available.

CMR - ISHA Article 42 Occupational Exposure Limits

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>CAS number</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium dioxide</td>
<td>13463-67-7</td>
<td>CARCINOGENICITY - Category 2</td>
</tr>
<tr>
<td>Silica (Crystalline cristobalite)</td>
<td>14464-46-1</td>
<td>CARCINOGENICITY - Category 1A</td>
</tr>
</tbody>
</table>

Mutagenicity

Not available.

Carcinogenicity

Not available.
Section 11. Toxicological information

Classification

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>OSHA</th>
<th>IARC</th>
<th>NTP</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium Dioxide</td>
<td>-</td>
<td>2B</td>
<td>-</td>
<td>A3</td>
</tr>
<tr>
<td>Benzophenone</td>
<td>-</td>
<td>2B</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Cristobalite, respirable powder</td>
<td>+</td>
<td>1</td>
<td>Known to be a human carcinogen.</td>
<td>A2</td>
</tr>
</tbody>
</table>

Reproductive toxicity
Not available.

Teratogenicity
Not available.

Specific target organ toxicity (single exposure)
Not available.

Specific target organ toxicity (repeated exposure)

<table>
<thead>
<tr>
<th>Name</th>
<th>Category</th>
<th>Route of exposure</th>
<th>Target organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cristobalite, respirable powder</td>
<td>Category 1</td>
<td>inhalation</td>
<td>respiratory tract</td>
</tr>
<tr>
<td>3-iodo-2-propynyl butylcarbamate</td>
<td>Category 1</td>
<td>-</td>
<td>larynx</td>
</tr>
</tbody>
</table>

Aspiration hazard
Not available.

Potential chronic health effects

Chronic toxicity
Not available.

General: Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity: May cause cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity: No known significant effects or critical hazards.

Teratogenicity: No known significant effects or critical hazards.

Developmental effects: No known significant effects or critical hazards.

Fertility effects: No known significant effects or critical hazards.

ATE value

<table>
<thead>
<tr>
<th>Route</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation (vapors)</td>
<td>2873.46 mg/l</td>
</tr>
</tbody>
</table>

Section 12. Ecological information

A. Ecotoxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium Dioxide</td>
<td>Acute LC50 &gt;1000000 µg/l Marine water</td>
<td>Fish - Fundulus heteroclitus</td>
<td>96 hours</td>
</tr>
<tr>
<td>Benzophenone</td>
<td>Acute LC50 10.89 mg/l Fresh water</td>
<td>Fish - Pimephales promelas - Larvae</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Chronic NOEC 1.03 mg/l Fresh water</td>
<td>Fish - Pimephales promelas - Embryo</td>
<td>32 days</td>
</tr>
<tr>
<td>ammonia</td>
<td>Acute LC50 37 ppm Fresh water</td>
<td>Fish - Gambusia affinis - Adult Crustaceans - Hyalella azteca</td>
<td>96 hours</td>
</tr>
<tr>
<td>3-iodo-2-propynyl butylcarbamate</td>
<td>Acute LC50 500 ppb Fresh water</td>
<td>Daphnia - Daphnia magna</td>
<td>48 hours</td>
</tr>
</tbody>
</table>
Section 12. Ecological information

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>LogP_{ow}</th>
<th>BCF</th>
<th>Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzophenone</td>
<td>-</td>
<td>12.02</td>
<td>Low</td>
</tr>
</tbody>
</table>

B. Persistence and degradability
Not available.

C. Bioaccumulative potential

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>LogP_{ow}</th>
<th>BCF</th>
<th>Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benzophenone</td>
<td>-</td>
<td>12.02</td>
<td>Low</td>
</tr>
</tbody>
</table>

D. Mobility in soil

Soil/water partition coefficient (Koc) : Not available.

E. Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

A. Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

B. Disposal precautions : This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
Section 14. Transport information

<table>
<thead>
<tr>
<th>A. UN number</th>
<th>UN</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>B. UN proper shipping name</th>
<th>UN</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>C. Transport hazard class(es)</th>
<th>UN</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>D. Packing group</th>
<th>UN</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>E. Environmental hazards</th>
<th>UN</th>
<th>IMDG</th>
<th>IATA</th>
</tr>
</thead>
<tbody>
<tr>
<td>No.</td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
</tr>
</tbody>
</table>

F. Special precautions for user: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to IMO instruments: Not available.

Section 15. Regulatory information

A. Regulation according to ISHA

- ISHA article 117 (Harmful substances prohibited from manufacture): None of the components are listed.
- ISHA article 118 (Harmful substances requiring permission): None of the components are listed.
- Article 2 of Youth Protection Act on Substances Hazardous to Youth: Not applicable.

Exposure Limits of Chemical Substances and Physical Factors:
The following components have an OEL:
- Titanium Dioxide
- Cristobalite, respirable powder
- Ammonia

- ISHA Enforcement Regs Annex 19 (Exposure standards established for harmful factors): None of the components are listed.
- ISHA Enforcement Regs Annex 21 (Harmful factors subject to Work Environment Measurement): The following components are listed: titanium dioxide
- ISHA Enforcement Regs Annex 22 (Harmful Factors Subject to Special Health Check-up): None of the components are listed.
Section 15. Regulatory information

**Standard of Industrial Safety and Health Annex 12 (Hazardous substances subject to control)**

The following components are listed: titanium dioxide

**B. Regulation according to Chemicals Control Act**

- **Article 11 (TRI)**: None of the components are listed.
- **Article 18 Prohibited (K-Reach Article 27)**: None of the components are listed.
- **Article 19 Subject to authorization (K-Reach Article 25)**: None of the components are listed.
- **Article 20 Toxic Chemicals (K-Reach Article 20)**: Not applicable
- **Article 20 Restricted (K-Reach Article 27)**: None of the components are listed.
- **Article 39 (Accident Precaution Chemicals)**: None of the components are listed.

**Existing Chemical Substances Subject to Registration**

The following components are listed: 2-(2-butoxyethoxy)ethanol, Quartz, 1,2-Benzisothiazol-3(2H)-one, Potassium hydroxide, 5-Chloro-2-methyl-3(2H)-isothiazolone, mixt. With 2-methyl-3(2H)-isothiazolone, 2-Methyl-4-isothiazolin-3-one

**C. Dangerous Materials Safety Management Act**

Not available.

**D. Wastes regulation**

Dispose of contents and container in accordance with all local, regional, national and international regulations.

**E. Regulation according to other foreign laws**

**International regulations**

- **Chemical Weapon Convention List Schedules I, II & III Chemicals**
  - Not listed.
- **Montreal Protocol**
  - Not listed.
- **Stockholm Convention on Persistent Organic Pollutants**
  - Not listed.
- **Rotterdam Convention on Prior Informed Consent (PIC)**
  - Not listed.
- **UNECE Aarhus Protocol on POPs and Heavy Metals**
  - Not listed.

**Inventory list**

- **Australia**: Not determined.
- **Canada**: Not determined.
- **China**: Not determined.
- **Eurasian Economic Union**: Russian Federation inventory: Not determined.
- **New Zealand**: Not determined.
- **Philippines**: Not determined.
Section 15. Regulatory information

<table>
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<th>Country</th>
<th>Information</th>
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<tbody>
<tr>
<td>Republic of Korea</td>
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Section 16. Other information

A. References : Not available.

B. Date of issue/Date of revision : 9/17/2023

C. Version : 9

D. Date of printing : 9/17/2023

Notice to reader

It is recommended that each customer or recipient of this Safety Data Sheet (SDS) study it carefully and consult resources, as necessary or appropriate, to become aware of and understand the data contained in this SDS and any hazards associated with the product. This information is provided in good faith and believed to be accurate as of the effective date herein. However, no warranty, express or implied, is given. The information presented here applies only to the product as shipped. The addition of any material can change the composition, hazards and risks of the product. Products shall not be repackaged, modified, or tinted except as specifically instructed by the manufacturer, including but not limited to the incorporation of products not specified by the manufacturer, or the use or addition of products in proportions not specified by the manufacturer. Regulatory requirements are subject to change and may differ between various locations and jurisdictions. The customer/buyer/user is responsible to ensure that his activities comply with all country, federal, state, provincial or local laws. The conditions for use of the product are not under the control of the manufacturer; the customer/buyer/user is responsible to determine the conditions necessary for the safe use of this product. The customer/buyer/user should not use the product for any purpose other than the purpose shown in the applicable section of this SDS without first referring to the supplier and obtaining written handling instructions. Due to the proliferation of sources for information such as manufacturer-specific SDS, the manufacturer cannot be responsible for SDSs obtained from any other source.