

# SAFETY DATA SHEET

TST Waterborne Basecoat MM P198 Graphite

## Section 1. Identification

**GHS product identifier** : TST Waterborne Basecoat MM P198 Graphite  
**SDS code** : 055624

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

| Identified uses      |
|----------------------|
| Industrial use       |
| Uses advised against |
| Consumer use         |

**Manufacturer** : Akzo Nobel Coatings, Inc.  
1845 Maxwell  
Troy, MI, 48084  
USA  
(800) 618-1010  
Akzo Nobel Coatings Ltd.  
110 Woodbine Downs Blvd.  
Unit #4 Etobicoke, Ontario  
Canada M9W 5S6  
+1 (800) 618-1010

**Importer** : Cía. Mexicana de Pinturas International  
S.A. de C.V., Carretera Anillo Periférico,  
No Ext 205, No Interior A, Colonia HDA S JOSE, Garcia, Garcia, CP 66000, Nuevo  
Leon.  
RFC: ANA9510267C4

**Emergency telephone number (with hours of operation)** : CHEMTREC +1 (800) 424-9300 (Inside the US)  
CHEMTREC International +1 (703) 527-3887 (Outside the US, collect calls accepted)

## Section 2. Hazards identification

**OSHA/HCS status** : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

**Classification of the substance or mixture** : Not classified.

### GHS label elements

**Signal word** : No signal word.  
**Hazard statements** : No known significant effects or critical hazards.

### Precautionary statements

**Prevention** : Not applicable.  
**Response** : Not applicable.

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**Date of previous issue** : 5/17/2023 1/11

## Section 2. Hazards identification

|   |   |
|---|---|
| <b>Storage</b>                          | : Not applicable.   |
| <b>Disposal</b>                         | : Dispose of contents and container in accordance with all local, regional, national and international regulations. |
| <b>Hazards not otherwise classified</b> | : None known.   |

## Section 3. Composition/information on ingredients

**Substance/mixture** : Mixture

| Ingredient name  | %   | CAS number |
|------------------|-----|------------|
| 2-butoxyethanol  | <10 | 111-76-2   |
| Natural graphite | ≤5  | 7782-42-5  |

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**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

### Description of necessary first aid measures

|                     |   |
|---------------------|---|
| <b>Eye contact</b>  | : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.   |
| <b>Inhalation</b>   | : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.   |
| <b>Skin contact</b> | : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.  |
| <b>Ingestion</b>    | : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur. |

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

|                     |   |
|---------------------|---|
| <b>Eye contact</b>  | : No known significant effects or critical hazards. |
| <b>Inhalation</b>   | : No known significant effects or critical hazards. |
| <b>Skin contact</b> | : No known significant effects or critical hazards. |
| <b>Ingestion</b>    | : No known significant effects or critical hazards. |

#### Over-exposure signs/symptoms

|                     |                     |
|---------------------|---------------------|
| <b>Eye contact</b>  | : No specific data. |
| <b>Inhalation</b>   | : No specific data. |
| <b>Skin contact</b> | : No specific data. |
| <b>Ingestion</b>    | : No specific data. |

### Indication of immediate medical attention and special treatment needed, if necessary

|                                   |   |
|-----------------------------------|---|
| <b>Notes to physician</b>         | : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled. |
| <b>Specific treatments</b>        | : No specific treatment.  |
| <b>Protection of first-aiders</b> | : No action shall be taken involving any personal risk or without suitable training.  |

## Section 4. First aid measures

See toxicological information (Section 11)

## Section 5. Firefighting measures

### Extinguishing media

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

**Unsuitable extinguishing media** : None known.

**Specific hazards arising from the chemical** : In a fire or if heated, a pressure increase will occur and the container may burst.

**Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide

**Special protective actions 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.

**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.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** : 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 spilt material. Put on appropriate personal protective equipment.

**For emergency responders** : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**Environmental precautions** : Avoid dispersal of spilt 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).

### Methods and material 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. 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. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

## Section 7. Handling and storage

### Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8).
- 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.

- 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. 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 unlabelled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

| Ingredient name  | Exposure limits  |
|------------------|--|
| 2-butoxyethanol  | <b>ACGIH TLV (United States, 3/2019).</b><br>TWA: 20 ppm 8 hours.<br><b>OSHA PEL 1989 (United States, 3/1989).</b><br><b>Absorbed through skin.</b><br>TWA: 25 ppm 8 hours.<br>TWA: 120 mg/m <sup>3</sup> 8 hours.<br><b>NIOSH REL (United States, 10/2016).</b><br><b>Absorbed through skin.</b><br>TWA: 5 ppm 10 hours.<br>TWA: 24 mg/m <sup>3</sup> 10 hours.<br><b>OSHA PEL (United States, 5/2018).</b><br><b>Absorbed through skin.</b><br>TWA: 50 ppm 8 hours.<br>TWA: 240 mg/m <sup>3</sup> 8 hours. |
| Natural graphite | None.  |

- Appropriate engineering controls** : Good general ventilation should be sufficient to control worker exposure to airborne contaminants.
- 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.

### Individual protection measures

- 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. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.
- Eye/face 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.

### Skin protection

## Section 8. Exposure controls/personal protection

- 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.
- 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.
- Other skin protection** : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.
- Respiratory protection** : Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## Section 9. Physical and chemical properties

### Appearance

**Physical state** : Liquid.

**Colour** : Not available.

**Odour** : Not available.

**Odour threshold** : Not available.

**pH** : Not available.

**Melting/freezing point** : Not available.

**Boiling point** : 100°C (212°F)

**boiling range** : Not available.

**Flash point** : Closed cup: 999°C (1830.2°F) [Product does not sustain combustion.]

**Evaporation rate** : Not available.

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

### Upper/lower flammability or explosive limits

**Upper:** : Not determined.

**Lower:** : Not determined.

**Vapour pressure** : Not available.

**Vapour density** : Not available.

**Relative density** : 1.028

**Density** : 8.58 lbs/gal 1.028 g/cm<sup>3</sup>

**Solubility** : Not available.

**Solubility in water** : Not available.

**Partition coefficient: n-octanol/water** : Not available.

**Auto-ignition temperature** : Not available.

**Decomposition temperature** : Not available.

**Viscosity** : Kinematic (room temperature): 4.86 cm<sup>2</sup>/s (486 cSt)

**(\*\*\*To be Translated\*\*\*)** : 82.14% (w/w)

### Weight Volatiles

**(\*\*\*\*To be Translated\*\*\*\*)** : 85.33 %(v/v)

### Volume Volatiles

**(\*\*\*\*To be Translated\*\*\*\*)** : 17.86 %(w/w)

### Weight Solids

**(\*\*\*\*To be Translated\*\*\*\*)** : 14.67 %(v/v)

### Volume Solids

**(\*\*\*\*To Be Translated\*\*\*\*)** : 2.9 lbs/gal 345 g/l minus water and exempt solvents

### Regulatory VOC

## Section 9. Physical and chemical properties

VOC Actual : 0.7 lbs/gal 82 g/l

## Section 10. Stability and reactivity

|   |  |
|---|--|
| <b>Reactivity</b>                         | : No specific test data related to reactivity available for this product or its ingredients.           |
| <b>Chemical stability</b>                 | : The product is stable.   |
| <b>Possibility of hazardous reactions</b> | : Under normal conditions of storage and use, hazardous reactions will not occur.                      |
| <b>Conditions to avoid</b>                | : No specific data.  |
| <b>Incompatible materials</b>             | : No specific data.  |
| <b>Hazardous decomposition products</b>   | : Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

## Section 11. Toxicological information

### Information on toxicological effects

#### Acute toxicity

| Product/ingredient name | Result                            | Species    | Dose                   | Exposure |
|-------------------------|-----------------------------------|------------|------------------------|----------|
| 2-butoxyethanol         | LC50 Inhalation Gas.              | Mouse      | 700 ppm                | 7 hours  |
|                         | LC50 Inhalation Gas.              | Rat        | 450 ppm                | 4 hours  |
|                         | LC50 Inhalation Vapour            | Mouse      | 3380 mg/m <sup>3</sup> | 7 hours  |
|                         | LC50 Inhalation Vapour            | Rat        | 2900 mg/m <sup>3</sup> | 7 hours  |
|                         | LD50 Dermal                       | Guinea pig | 230 uL/kg              | -        |
|                         | LD50 Dermal                       | Rabbit     | 220 mg/kg              | -        |
|                         | LD50 Intraperitoneal              | Mouse      | 536 mg/kg              | -        |
|                         | LD50 Intraperitoneal              | Rabbit     | 220 mg/kg              | -        |
|                         | LD50 Intraperitoneal              | Rat        | 220 mg/kg              | -        |
|                         | LD50 Intravenous                  | Mouse      | 1130 mg/kg             | -        |
|                         | LD50 Intravenous                  | Rabbit     | 252 mg/kg              | -        |
|                         | LD50 Intravenous                  | Rat        | 307 mg/kg              | -        |
|                         | LD50 Oral                         | Guinea pig | 1200 mg/kg             | -        |
|                         | LD50 Oral                         | Mouse      | 1230 mg/kg             | -        |
|                         | LD50 Oral                         | Mouse      | 1167 mg/kg             | -        |
|                         | LD50 Oral                         | Rabbit     | 300 mg/kg              | -        |
|                         | LD50 Oral                         | Rabbit     | 320 mg/kg              | -        |
|                         | LD50 Oral                         | Rat        | 917 mg/kg              | -        |
|                         | LD50 Oral                         | Rat        | 250 mg/kg              | -        |
|                         | LD50 Route of exposure unreported | Mouse      | 1050 mg/kg             | -        |
|                         | LD50 Route of exposure unreported | Rat        | 917 mg/kg              | -        |

#### Irritation/Corrosion

| Product/ingredient name | Result                   | Species | Score | Exposure        | Observation |
|-------------------------|--------------------------|---------|-------|-----------------|-------------|
| 2-butoxyethanol         | Eyes - Moderate irritant | Rabbit  | -     | 24 hours 100 mg | -           |
|                         | Eyes - Severe irritant   | Rabbit  | -     | 100 mg          | -           |
|                         | Skin - Mild irritant     | Rabbit  | -     | 500 mg          | -           |

#### Sensitisation

Not available.

#### Mutagenicity

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## Section 11. Toxicological information

Not available.

### Carcinogenicity

Not available.

### Classification

| Product/ingredient name | OSHA | IARC | NTP |
|-------------------------|------|------|-----|
| 2-butoxyethanol         | -    | 3    | -   |

### Reproductive toxicity

Not available.

### Teratogenicity

Not available.

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

**Information on likely routes of exposure** : Not available.

### Potential acute health effects

|                     |   |
|---------------------|---|
| <b>Eye contact</b>  | : No known significant effects or critical hazards. |
| <b>Inhalation</b>   | : No known significant effects or critical hazards. |
| <b>Skin contact</b> | : No known significant effects or critical hazards. |
| <b>Ingestion</b>    | : No known significant effects or critical hazards. |

### Symptoms related to the physical, chemical and toxicological characteristics

|                     |                     |
|---------------------|---------------------|
| <b>Eye contact</b>  | : No specific data. |
| <b>Inhalation</b>   | : No specific data. |
| <b>Skin contact</b> | : No specific data. |
| <b>Ingestion</b>    | : No specific data. |

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Short term exposure

|                                    |                  |
|------------------------------------|------------------|
| <b>Potential immediate effects</b> | : Not available. |
| <b>Potential delayed effects</b>   | : Not available. |

#### Long term exposure

|                                    |                  |
|------------------------------------|------------------|
| <b>Potential immediate effects</b> | : Not available. |
| <b>Potential delayed effects</b>   | : Not available. |

### Potential chronic health effects

Not available.

|                        |   |
|------------------------|---|
| <b>General</b>         | : No known significant effects or critical hazards. |
| <b>Carcinogenicity</b> | : No known significant effects or critical hazards. |
| <b>Mutagenicity</b>    | : No known significant effects or critical hazards. |



## Section 11. Toxicological information

|                              |   |
|------------------------------|---|
| <b>Teratogenicity</b>        | : No known significant effects or critical hazards. |
| <b>Developmental effects</b> | : No known significant effects or critical hazards. |
| <b>Fertility effects</b>     | : No known significant effects or critical hazards. |

### Numerical measures of toxicity

#### Acute toxicity estimates

| Route                | ATE value    |
|----------------------|--------------|
| Oral                 | 6485.3 mg/kg |
| Inhalation (vapours) | 142.7 mg/l   |

## Section 12. Ecological information

### Toxicity

| Product/ingredient name | Result                               | Species                       | Exposure |
|-------------------------|--------------------------------------|-------------------------------|----------|
| 2-butoxyethanol         | Acute EC50 >1000 mg/l Fresh water    | Daphnia - Daphnia magna       | 48 hours |
|                         | Acute LC50 800000 µg/l Marine water  | Crustaceans - Crangon crangon | 48 hours |
|                         | Acute LC50 1490000 µg/l Fresh water  | Fish - Lepomis macrochirus    | 96 hours |
|                         | Acute LC50 1250000 µg/l Marine water | Fish - Menidia beryllina      | 96 hours |

### Persistence and degradability

Not available.

### Bioaccumulative potential

| Product/ingredient name | LogP <sub>ow</sub> | BCF | Potential |
|-------------------------|--------------------|-----|-----------|
| 2-butoxyethanol         | 0.81               | -   | low       |

### Mobility in soil

|  |                  |
|--|------------------|
| <b>Soil/water partition coefficient (K<sub>oc</sub>)</b> | : Not available. |
|--|------------------|

|                              |   |
|------------------------------|---|
| <b>Other adverse effects</b> | : No known significant effects or critical hazards. |
|------------------------------|---|

## Section 13. Disposal considerations

|                         |  |
|-------------------------|--|
| <b>Disposal methods</b> | : The generation of waste should be avoided or minimised 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. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. |
|-------------------------|--|



## Section 14. Transport information

The information provided in section 14 is based on a bulk package shipment via ground transport in North America. All shippers are responsible for ensuring the proper transportation classification and package/container requirements are followed for the relevant mode of transport.

|                            | DOT<br>Classification | TDG<br>Classification | Mexico<br>Classification | IMDG           | IATA           |
|----------------------------|-----------------------|-----------------------|--------------------------|----------------|----------------|
| UN number                  | Not regulated.        | Not regulated.        | Not regulated.           | Not regulated. | Not regulated. |
| UN proper shipping name    | -                     | -                     | -                        | -              | -              |
| Transport hazard class(es) | -                     | -                     | -                        | -              | -              |
| Packing group              | -                     | -                     | -                        | -              | -              |
| Environmental hazards      | No.                   | No.                   | No.                      | No.            | No.            |

**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

**U.S. Federal regulations** : **TSCA 5(a)2 final significant new use rules:** No products found.  
**TSCA 5(e) substance consent order:** No products found.  
**TSCA 8(a) PAIR:** triisobutyl phosphate  
**TSCA 8(a) CDR Exempt/Partial exemption:** Not determined  
**TSCA 8(c) calls for record of SAR:** triisobutyl phosphate  
**United States inventory (TSCA 8b):** All components are listed or exempted.

**Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)** : Not listed

**Clean Air Act Section 602 Class I Substances** : Not listed

**Clean Air Act Section 602 Class II Substances** : Not listed

**DEA List I Chemicals (Precursor Chemicals)** : Not listed

**DEA List II Chemicals (Essential Chemicals)** : Not listed

### SARA 302/304

#### Composition/information on ingredients

| Name                    | % | EHS | SARA 302 TPQ |           | SARA 304 RQ |           |
|-------------------------|---|-----|--------------|-----------|-------------|-----------|
|                         |   |     | (lbs)        | (gallons) | (lbs)       | (gallons) |
| No products were found. |   |     |              |           |             |           |

### SARA 311/312

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## Section 15. Regulatory information

**Classification** : Not applicable.

### Composition/information on ingredients

| Name            | %   | Classification   |
|-----------------|-----|--|
| 2-butoxyethanol | <10 | FLAMMABLE LIQUIDS - Category 4<br>ACUTE TOXICITY (oral) - Category 4<br>ACUTE TOXICITY (inhalation) - Category 4<br>SKIN IRRITATION - Category 2<br>EYE IRRITATION - Category 2A |

### SARA 313

|                                 | Product name    | CAS number | %   |
|---------------------------------|-----------------|------------|-----|
| Form R - Reporting requirements | 2-butoxyethanol | 111-76-2   | <10 |
| Supplier notification           | 2-butoxyethanol | 111-76-2   | <10 |

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

### State regulations

- Massachusetts** : The following components are listed: GRAPHITE (NATURAL)DUST; 2-BUTOXYETHANOL; BUTYL CELLOSOLVE
- New York** : None of the components are listed.
- New Jersey** : The following components are listed: GRAPHITE (NATURAL); GRAPHITE; 2-BUTOXY ETHANOL; BUTYL CELLOSOLVE
- Pennsylvania** : The following components are listed: GRAPHITE; GRAPHITE (SYNTHETIC); ETHANOL, 2-BUTOXY-

### California Prop. 65

### Inventory list

- Australia** : All components are listed or exempted.
- Canada** : All components are listed or exempted.
- China** : At least one component is not listed.
- Europe** : All components are listed or exempted.
- Japan** : **Japan inventory (CSCL)**: At least one component is not listed.  
**Japan inventory (ISHL)**: At least one component is not listed.
- Malaysia** : At least one component is not listed.
- New Zealand** : All components are listed or exempted.
- Philippines** : At least one component is not listed.
- Republic of Korea** : At least one component is not listed.
- Taiwan** : All components are listed or exempted.
- Thailand** : At least one component is not listed.
- Turkey** : At least one component is not listed.
- Viet Nam** : At least one component is not listed.

## Section 16. Other information

### Hazardous Material Information System (U.S.A.)

|                  |   |   |
|------------------|---|---|
| Health           | / | 0 |
| Flammability     |   | 1 |
| Physical hazards |   | 0 |
|                  |   |   |

## Section 16. Other information

**Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.**

**The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.**

### Procedure used to derive the classification

| Classification  | Justification |
|-----------------|---------------|
| Not classified. |               |

### History

**Date of printing** : 24 January 2024

**Date of issue/ Date of revision** : 17 May 2023

**Date of previous issue** : 17 May 2023

**Version** : 1.02

**Key to abbreviations** : ATE = Acute Toxicity Estimate  
 BCF = Bioconcentration Factor  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC = Intermediate Bulk Container  
 IMDG = International Maritime Dangerous Goods  
 LogPow = logarithm of the octanol/water partition coefficient  
 MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)  
 UN = United Nations

▀ Indicates information that has changed from previously issued version.

### Notice to reader

FOR PROFESSIONAL USE ONLY

**IMPORTANT NOTE** The information in this data sheet is not intended to be exhaustive and is based on the present state of our knowledge and on current laws. Any person using this product must determine for themselves, by preliminary tests or otherwise, the suitability of this product for their purposes. It is always the responsibility of the user to take all necessary steps to fulfill the demands set out in the local rules and legislation. Always read the Safety Data Sheet and the Technical Data Sheet for this product if available. All advice we give or any statement made about the product by us (whether in this data sheet or otherwise) is correct to the best of our knowledge but we have no control over the quality or the condition of the substrate or the many factors affecting the use and application of the product. The application, use and processing of AkzoNobel's products and the products manufactured by Buyer on the basis of AkzoNobel's technical advice are beyond AkzoNobel's control and, therefore, entirely Buyer's own responsibility. AkzoNobel makes no warranty as to accuracy and/or sufficiency of such information and/or suggestions, as to the product's merchantability or fitness for any particular purpose, or that any suggested use will not infringe any patent. Nothing contained herein shall be construed as granting or extending any license under any patent. All products supplied and technical advice given are subject to our standard terms and conditions of sale. You should request a copy of this document and review it carefully. The information contained in this data sheet is subject to modification from time to time in light of experience and our policy of continuous development. It is the user's responsibility to verify that this data sheet is current prior to using the product.

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