SAFETY DATA SHEET

DH5600012

Section 1. Identification

Product name: MATADOR™ White Post-Catalyzed Topcoat 20 Gloss
Product code: DH5600012
Other means of identification: Not available.
Product type: Liquid.

Relevant identified uses of the substance or mixture and uses advised against
Paint or paint related material.

Manufacturer: AcromaPro Wood Finishes
101 W. Prospect Avenue
Cleveland, OH 44115

National contact: AcromaPro Wood Finishes
140 Garden Ave.
Brantford, ON N3S 7W4

Emergency telephone number of the company:
US / Canada: (800) 424-9300
Mexico: SETIQ 01-800-00-214-00 / (52) 55-5559-1588 24 hours / 365 days a year

Product Information Telephone Number:
US / Canada: 1-888-277-1448
Mexico: Not Available

Regulatory Information Telephone Number:
US / Canada: (216) 566-2902
Mexico: Not Available

Transportation Emergency Telephone Number:
US / Canada: (800) 424-9300
Mexico: SETIQ 01-800-00-214-00 / (52) 55-5559-1588 24 hours / 365 days a year

Section 2. Hazards identification

Classification of the substance or mixture:
- FLAMMABLE LIQUIDS - Category 2
- SKIN CORROSION/IRRITATION - Category 2
- SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1
- SKIN SENSITIZATION - Category 1
- CARCINOGENICITY - Category 1A
- TOXIC TO REPRODUCTION - Category 2
- SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1
- ASPIRATION HAZARD - Category 1

Percentage of the mixture consisting of ingredient(s) of unknown acute toxicity: 2.8% (oral), 6.9% (dermal), 2.8% (inhalation)

GHS label elements

Hazard pictograms:
- Flammable
- Corrosive
- Skin corrosion/irritation
- Eye damage/irritation
- Specific target organ toxicity
- Aspiration hazard

Signal word: Danger

Date of issue/Date of revision: 9/22/2020
Date of previous issue: 7/3/2020
Version: 23

DH5600012 MATADOR™ White Post-Catalyzed Topcoat 20 Gloss
Section 2. Hazards identification

### Precautionary statements

**Prevention**: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating or lighting equipment. Use non-sparking tools. Take action to prevent static discharges. Keep container tightly closed. Do not breathe vapor. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace.

**Response**: IF exposed or concerned: Get medical advice or attention. IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice or attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

**Storage**: Store locked up. Store in a well-ventilated place. Keep cool.

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

**Supplemental label elements**: DELAYED EFFECTS FROM LONG TERM OVEREXPOSURE. Contains solvents which can cause permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. FOR INDUSTRIAL USE ONLY. Contains Formaldehyde - a potential cancer hazard. This product must be mixed with other components before use. Before opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.

Please refer to the SDS for additional information. Keep out of reach of children. Do not transfer contents to other containers for storage.

**Hazards not otherwise classified**: DANGER: Rags, steel wool, other waste soaked with this product, and sanding residue may spontaneously catch fire if improperly discarded. Immediately place rags, steel wool, other waste soaked with this product, and sanding residue in a sealed, water-filled, metal container. Dispose of in accordance with local fire regulations.

Section 3. Composition/information on ingredients

**Substance/mixture**: Mixture

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

**CAS number/other identifiers**

**Date of issue/Date of revision**: 9/22/2020

**Date of previous issue**: 7/3/2020

**Version**: 23
### Section 3. Composition/information on ingredients

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>% by weight</th>
<th>CAS number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium Dioxide</td>
<td>22.36</td>
<td>13463-67-7</td>
</tr>
<tr>
<td>Xylene, mixed isomers</td>
<td>8.99</td>
<td>1330-20-7</td>
</tr>
<tr>
<td>Talc</td>
<td>5.42</td>
<td>14807-96-6</td>
</tr>
<tr>
<td>n-Butyl Acetate</td>
<td>4.84</td>
<td>123-86-4</td>
</tr>
<tr>
<td>Ethanol</td>
<td>4.18</td>
<td>64-17-5</td>
</tr>
<tr>
<td>Amorphous Silica</td>
<td>3.34</td>
<td>7631-86-9</td>
</tr>
<tr>
<td>1-Butanol</td>
<td>3.3</td>
<td>71-36-3</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>1.7</td>
<td>100-41-4</td>
</tr>
<tr>
<td>Unsaturated Fatty Acids</td>
<td>0.74</td>
<td>8571146-2</td>
</tr>
<tr>
<td>Formaldehyde (max.)</td>
<td>0.14</td>
<td>50-00-0</td>
</tr>
<tr>
<td>2-Ethyl-2-(hydroxymethyl)-1,3-propanediol</td>
<td>0.1</td>
<td>77-99-6</td>
</tr>
</tbody>
</table>

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 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**

**Eye contact**: Get medical attention immediately. Call a poison center or physician. 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. Chemical burns must be treated promptly by a physician.

**Inhalation**: Get medical attention immediately. Call a poison center or physician. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. 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. 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. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

**Skin contact**: Get medical attention immediately. Call a poison center or physician. 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. Chemical burns must be treated promptly by a physician. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

**Ingestion**: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. 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. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Chemical burns must be treated promptly by a physician. 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.

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

**Potential acute health effects**

**Eye contact**: Causes serious eye damage.
# Section 4. First aid measures

<table>
<thead>
<tr>
<th>Condition</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>No known significant effects or critical hazards.</td>
</tr>
<tr>
<td>Skin contact</td>
<td>Causes skin irritation. May cause an allergic skin reaction.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>May be fatal if swallowed and enters airways.</td>
</tr>
</tbody>
</table>

**Over-exposure signs/symptoms**

<table>
<thead>
<tr>
<th>Condition</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye contact</td>
<td>Adverse symptoms may include the following: pain, watering, redness.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>Adverse symptoms may include the following: reduced fetal weight, increase in fetal deaths, skeletal malformations</td>
</tr>
<tr>
<td>Skin contact</td>
<td>Adverse symptoms may include the following: pain or irritation, redness, blistering may occur, reduced fetal weight, increase in fetal deaths, skeletal malformations</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Adverse symptoms may include the following: stomach pains, nausea or vomiting, reduced fetal weight, increase in fetal deaths, skeletal malformations</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Notes to physician</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Protection of first-aiders</td>
<td>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.</td>
</tr>
</tbody>
</table>

## Section 5. Fire-fighting measures

<table>
<thead>
<tr>
<th>Extinguishing media</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suitable extinguishing media</td>
<td>Use dry chemical, CO₂, water spray (fog) or foam.</td>
</tr>
<tr>
<td>Unsuitable extinguishing media</td>
<td>Do not use water jet.</td>
</tr>
</tbody>
</table>

**Specific hazards arising from the chemical**

Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back.
Section 5. Fire-fighting measures

**Hazardous thermal decomposition products**: Decomposition products may include the following materials:
- Carbon dioxide
- Carbon monoxide
- Nitrogen oxides
- Metal oxide/oxides

**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. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

**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.

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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 spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

**For emergency responders**: If specialized 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 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).

**Methods and materials for containment and cleaning up**

**Small spill**: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. 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. Use spark-proof tools and explosion-proof equipment. 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.

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Section 7. Handling and storage

**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. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not swallow. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made.
Section 7. Handling and storage

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 a segregated and approved area. 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. Eliminate all ignition sources. Separate from oxidizing materials. 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

Control parameters

Occupational exposure limits (OSHA United States)

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>CAS #</th>
<th>Exposure limits</th>
</tr>
</thead>
</table>
| Titanium Dioxide| 13463-67-7 | ACGIH TLV (United States, 3/2020).  
TWA: 10 mg/m³ 8 hours.  
OSHA PEL (United States, 5/2018).  
TWA: 15 mg/m³ 8 hours. Form: Total dust |
| Xylene, mixed isomers | 1330-20-7 | ACGIH TLV (United States, 3/2020).  
TWA: 100 ppm 8 hours.  
TWA: 434 mg/m³ 8 hours.  
STEL: 150 ppm 15 minutes.  
STEL: 651 mg/m³ 15 minutes.  
OSHA PEL (United States, 5/2018).  
TWA: 100 ppm 8 hours.  
TWA: 435 mg/m³ 8 hours. |
| Talc            | 14807-96-6 | NIOSH REL (United States, 10/2016).  
TWA: 2 mg/m³ 10 hours. Form: Respirable fraction  
ACGIH TLV (United States, 3/2020).  
TWA: 50 ppm 8 hours.  
STEL: 150 ppm 15 minutes.  
STEL: 1000 ppm 15 minutes.  |
| n-Butyl Acetate | 123-86-4  | NIOSH REL (United States, 10/2016).  
TWA: 150 ppm 10 hours.  
TWA: 710 mg/m³ 10 hours.  
STEL: 200 ppm 15 minutes.  
STEL: 950 mg/m³ 15 minutes.  
OSHA PEL (United States, 5/2018).  
TWA: 150 ppm 8 hours.  
TWA: 710 mg/m³ 8 hours.  
ACGIH TLV (United States, 3/2020).  
STEL: 150 ppm 15 minutes.  
TWA: 50 ppm 8 hours.  |
| Ethanol         | 64-17-5  | ACGIH TLV (United States, 3/2020).  
STEL: 1000 ppm 15 minutes.  |

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6/19  
DH5600012 MATADOR™ White Post-Catalyzed Topcoat 20 Gloss  
SHW-85-NA-GHS-CA
### Section 8. Exposure controls/personal protection

<table>
<thead>
<tr>
<th>Ingredient name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amorphous Silica</td>
</tr>
<tr>
<td>1-Butanol</td>
</tr>
<tr>
<td>Ethylbenzene</td>
</tr>
<tr>
<td>Unsaturated Fatty Acids</td>
</tr>
<tr>
<td>Formaldehyde (max.)</td>
</tr>
<tr>
<td>2-Ethyl-2-(hydroxymethyl)-1,3-propanediol</td>
</tr>
</tbody>
</table>

#### Occupational exposure limits (Canada)

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>CAS #</th>
<th>Exposure limits</th>
</tr>
</thead>
</table>
| Titanium dioxide | 13463-67-7 | CA British Columbia Provincial (Canada, 1/2020).  
TWA: 10 mg/m³ 8 hours. Form: Total dust  
TWA: 3 mg/m³ 8 hours. Form: respirable fraction  
CA Quebec Provincial (Canada, 7/2019).  
TWAEV: 10 mg/m³ 8 hours. Form: Total dust  
CA Alberta Provincial (Canada, 6/2018).  
8 hrs OEL: 10 mg/m³ 8 hours  
CA Ontario Provincial (Canada, 6/2019). |

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**DH5600012 MATADOR™ White Post-Catalyzed Topcoat 20 Gloss**: SHW-85-NA-GHS-CA
## Section 8. Exposure controls/personal protection

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Number</th>
<th>Exposure Limits</th>
</tr>
</thead>
</table>
| Xylene                     | 1330-20-7  | TWA: 10 mg/m³ 8 hours.  
                           |            | CA Saskatchewan Provincial (Canada, 7/2013).  
                           |            | STEL: 20 mg/m³ 15 minutes.  
                           |            | TWA: 10 mg/m³ 8 hours.  
                           |            | CA Alberta Provincial (Canada, 6/2018).  
                           |            | 8 hrs OEL: 100 ppm 8 hours.  
                           |            | 15 min OEL: 651 mg/m³ 15 minutes.  
                           |            | 15 min OEL: 150 ppm 15 minutes.  
                           |            | 8 hrs OEL: 434 mg/m³ 8 hours.  
                           |            | CA British Columbia Provincial (Canada, 1/2020).  
                           |            | TWA: 100 ppm 8 hours.  
                           |            | STEL: 150 ppm 15 minutes.  
                           |            | CA Quebec Provincial (Canada, 7/2019).  
                           |            | TWAEV: 100 ppm 8 hours.  
                           |            | TWAEV: 434 mg/m³ 8 hours.  
                           |            | STEV: 150 ppm 15 minutes.  
                           |            | STEV: 651 mg/m³ 15 minutes.  
                           |            | CA Ontario Provincial (Canada, 6/2019).  
                           |            | STEL: 150 ppm 15 minutes.  
                           |            | TWA: 100 ppm 8 hours.  
                           |            | CA Saskatchewan Provincial (Canada, 7/2013).  
                           |            | STEL: 150 ppm 15 minutes.  
                           |            | TWA: 100 ppm 8 hours.  
                           |            | CA British Columbia Provincial (Canada, 1/2020).  
                           |            | TWA: 2 mg/m³ 8 hours. Form: Respirable  
                           |            | CA Quebec Provincial (Canada, 7/2019).  
                           |            | TWAEV: 3 mg/m³ 8 hours. Form: Respirable dust.  
                           |            | CA Ontario Provincial (Canada, 6/2019).  
                           |            | TWA: 2 mg/m³ 8 hours. Form: Respirable fraction.  
                           |            | TWA: 2 f/cc 8 hours.  
                           |            | CA Alberta Provincial (Canada, 6/2018).  
                           |            | 8 hrs OEL: 2 mg/m³ 8 hours. Form: Respirable particulate  
                           |            | CA Saskatchewan Provincial (Canada, 7/2013).  
                           |            | TWA: 2 mg/m³ 8 hours. Form: respirable fraction  
                           |            | CA Alberta Provincial (Canada, 6/2018).  
                           |            | 15 min OEL: 200 ppm 15 minutes.  
                           |            | 15 min OEL: 950 mg/m³ 15 minutes.  
                           |            | 8 hrs OEL: 150 ppm 8 hours.  
                           |            | 8 hrs OEL: 713 mg/m³ 8 hours.  
                           |            | CA British Columbia Provincial (Canada, 1/2020).  
                           |            | TWA: 20 ppm 8 hours.  
                           |            | CA Ontario Provincial (Canada, 6/2019).  
                           |            | TWA: 150 ppm 8 hours.  
                           |            | STEL: 200 ppm 15 minutes.  
                           |            | CA Quebec Provincial (Canada, 7/2019).  
                           |            | TWAEV: 150 ppm 8 hours.  
                           |            | TWAEV: 713 mg/m³ 8 hours.  
| Talc (none asbestiform)   | 14807-96-6 | TWA: 2 mg/m³ 8 hours. Form: Respirable  
                           |            | CA Quebec Provincial (Canada, 7/2019).  
                           |            | TWAEV: 3 mg/m³ 8 hours. Form: Respirable dust.  
                           |            | CA Ontario Provincial (Canada, 6/2019).  
                           |            | TWA: 2 mg/m³ 8 hours. Form: Respirable fraction.  
                           |            | TWA: 2 f/cc 8 hours.  
                           |            | CA Alberta Provincial (Canada, 6/2018).  
                           |            | 8 hrs OEL: 2 mg/m³ 8 hours. Form: Respirable particulate  
                           |            | CA Saskatchewan Provincial (Canada, 7/2013).  
                           |            | TWA: 2 mg/m³ 8 hours. Form: respirable fraction  
                           |            | CA Alberta Provincial (Canada, 6/2018).  
                           |            | 15 min OEL: 200 ppm 15 minutes.  
                           |            | 15 min OEL: 950 mg/m³ 15 minutes.  
                           |            | 8 hrs OEL: 150 ppm 8 hours.  
                           |            | 8 hrs OEL: 713 mg/m³ 8 hours.  
                           |            | CA British Columbia Provincial (Canada, 1/2020).  
                           |            | TWA: 20 ppm 8 hours.  
                           |            | CA Ontario Provincial (Canada, 6/2019).  
                           |            | TWA: 150 ppm 8 hours.  
                           |            | STEL: 200 ppm 15 minutes.  
                           |            | CA Quebec Provincial (Canada, 7/2019).  
                           |            | TWAEV: 150 ppm 8 hours.  
                           |            | TWAEV: 713 mg/m³ 8 hours.  
| n-Butyl acetate           | 123-86-4   | TWA: 20 ppm 8 hours.  
                           |            | CA Ontario Provincial (Canada, 6/2019).  
                           |            | TWA: 150 ppm 8 hours.  
                           |            | STEL: 200 ppm 15 minutes.  
                           |            | CA Quebec Provincial (Canada, 7/2019).  
                           |            | TWAEV: 150 ppm 8 hours.  
                           |            | TWAEV: 713 mg/m³ 8 hours.  

**Date of issue/Date of revision:** 9/22/2020  
**Date of previous issue:** 7/3/2020  
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### Section 8. Exposure controls/personal protection

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS Number</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethylbenzene</td>
<td>100-41-4</td>
<td>8 hrs OEL: 100 ppm 8 hours. 8 hrs OEL: 434 mg/m³ 8 hours. 15 min OEL: 543 mg/m³ 15 minutes. 15 min OEL: 125 ppm 15 minutes. CA Alberta Provincial (Canada, 6/2018). TWA: 20 ppm 8 hours. CA British Columbia Provincial (Canada, 1/2020). TWA: 20 ppm 8 hours. CA Ontario Provincial (Canada, 6/2019). TWA: 20 ppm 8 hours. CA Quebec Provincial (Canada, 7/2019). TWAEV: 100 ppm 8 hours. TWAEV: 434 mg/m³ 8 hours. STEV: 125 ppm 15 minutes. STEV: 543 mg/m³ 15 minutes. CA Saskatchewan Provincial (Canada, 7/2013). STEL: 125 ppm 15 minutes. TWA: 100 ppm 8 hours.</td>
</tr>
</tbody>
</table>
Section 8. Exposure controls/personal protection

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of the workplace. Filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Appropriate engineering controls:
- Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

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. 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.

### Occupational exposure limits (Mexico)

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>CAS #</th>
<th>Exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene, mixed isomers</td>
<td>1330-20-7</td>
<td>NOM-010-STPS-2014 (Mexico, 4/2016). STEL: 150 ppm 15 minutes. TWA: 100 ppm 8 hours.</td>
</tr>
<tr>
<td>n-Butyl Acetate</td>
<td>123-86-4</td>
<td>NOM-010-STPS-2014 (Mexico, 4/2016). TWA: 100 ppm 8 hours. STEL: 200 ppm 15 minutes.</td>
</tr>
<tr>
<td>ethanol</td>
<td>64-17-5</td>
<td>NOM-010-STPS-2014 (Mexico, 4/2016). STEL: 1000 ppm 15 minutes.</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>100-41-4</td>
<td>NOM-010-STPS-2014 (Mexico, 4/2016). TWA: 20 ppm 8 hours.</td>
</tr>
<tr>
<td>Formaldehyde (max.)</td>
<td>50-00-0</td>
<td>NOM-010-STPS-2014 (Mexico, 4/2016). Skin sensitizer. CEIL: 0.3 ppm</td>
</tr>
</tbody>
</table>

### Appropriate engineering controls
- Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

### 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. 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 8. Exposure controls/personal protection

**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: chemical splash goggles and/or face shield. If inhalation hazards exist, a full-face respirator may be required instead.

**Skin 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. 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. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

**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.

**Color**
Not available.

**Odor**
Not available.

**Odor threshold**
Not available.

**pH**
Not available.

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

**Boiling point/boiling range**
77°C (170.6°F)

**Flash point**
Closed cup: 13°C (55.4°F) [Pensky-Martens Closed Cup]

**Evaporation rate**
1.6 (butyl acetate = 1)

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

**Lower and upper explosive (flammable) limits**
Lower: 1%
Upper: 19%

**Vapor pressure**
5.9 kPa (44 mm Hg) [at 20°C]

**Vapor density**
1.5 [Air = 1]

**Relative density**
1.3

**Solubility**
Not available.

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

**Auto-ignition temperature**
Not available.

**Decomposition temperature**
Not available.

**Viscosity**
Kinematic (40°C (104°F)): <0.205 cm²/s (<20.5 cSt)

**Molecular weight**
Not applicable.
Section 9. Physical and chemical properties

Aerosol product

Heat of combustion : 6.966 kJ/g

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not allow vapor to accumulate in low or confined areas.

Incompatible materials : Reactive or incompatible with the following materials: oxidizing materials

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

Section 11. Toxicological information

Information on toxicological effects

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>Xylene, mixed isomers</td>
<td>LC50 Inhalation Gas.</td>
<td>Rat</td>
<td>6700 ppm</td>
<td>4 hours</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>4300 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 Dermal</td>
<td>Rabbit</td>
<td>&gt;17600 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>n-Butyl Acetate</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>10768 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Ethanol</td>
<td>LC50 Inhalation Vapor</td>
<td>Rat</td>
<td>124700 mg/m³</td>
<td>4 hours</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>7 g/kg</td>
<td>-</td>
</tr>
<tr>
<td>1-Butanol</td>
<td>LC50 Inhalation Vapor</td>
<td>Rat</td>
<td>24000 mg/m³</td>
<td>4 hours</td>
</tr>
<tr>
<td></td>
<td>LD50 Dermal</td>
<td>Rabbit</td>
<td>3400 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>790 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>LD50 Dermal</td>
<td>Rabbit</td>
<td>&gt;5000 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>3500 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>Formaldehyde (max.)</td>
<td>LC50 Inhalation Gas.</td>
<td>Rat</td>
<td>250 ppm</td>
<td>4 hours</td>
</tr>
<tr>
<td></td>
<td>LD50 Dermal</td>
<td>Rabbit</td>
<td>270 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>100 mg/kg</td>
<td>-</td>
</tr>
<tr>
<td>2-Ethyl-2-((hydroxymethyl)-1,3-propanediol</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>14000 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 300 ug</td>
<td>-</td>
</tr>
<tr>
<td>Xylene, mixed isomers</td>
<td>Eyes - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>87 mg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Eyes - Severe irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 5 mg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Skin - Mild irritant</td>
<td>Rat</td>
<td>-</td>
<td>8 hours 60 UI</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Skin - Moderate irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>24 hours 500 mg</td>
<td>-</td>
</tr>
</tbody>
</table>
Section 11. Toxicological information

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>OSHA</th>
<th>IARC</th>
<th>NTP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titanium Dioxide</td>
<td>-</td>
<td>2B</td>
<td>-</td>
</tr>
<tr>
<td>Xylene, mixed isomers</td>
<td>-</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Talc</td>
<td>-</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Ethanol</td>
<td>-</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>Amorphous Silica</td>
<td>-</td>
<td>3</td>
<td>-</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>-</td>
<td>2B</td>
<td>-</td>
</tr>
<tr>
<td>Formaldehyde (max.)</td>
<td>+</td>
<td>1</td>
<td>Known to be a human carcinogen.</td>
</tr>
</tbody>
</table>

Sensitization
Not available.

Mutagenicity
Not available.

Carcinogenicity
Not available.

Classification

Talc
Skin - Moderate irritant
Rabbit - 100 %

n-Butyl Acetate
Eyes - Moderate irritant
Rabbit - 100 mg
Skin - Moderate irritant
Rabbit - 24 hours 500 mg

Ethanol
Eyes - Mild irritant
Rabbit - 24 hours 500 mg
Eyes - Moderate irritant
Rabbit - 0.066666667 minutes 100 mg
Eyes - Moderate irritant
Rabbit - 100 Ul
Eyes - Severe irritant
Rabbit - 500 mg
Skin - Mild irritant
Rabbit - 400 mg
Skin - Moderate irritant
Rabbit - 24 hours 20 mg

Amorphous Silica
Eyes - Mild irritant
Rabbit - 24 hours 25 mg

1-Butanol
Eyes - Severe irritant
Rabbit - 24 hours 2 mg
Eyes - Severe irritant
Rabbit - 0.005 Ml
Skin - Moderate irritant
Rabbit - 24 hours 20 mg

Ethylbenzene
Eyes - Severe irritant
Rabbit - 500 mg
Skin - Mild irritant
Rabbit - 24 hours 15 mg

Formaldehyde (max.)
Eyes - Mild irritant
Human - 6 minutes 1 ppm
Eyes - Severe irritant
Rabbit - 24 hours 750 ug
Eyes - Severe irritant
Rabbit - 750 ug
Skin - Mild irritant
Human - 72 hours 150 ug
Skin - Severe irritant
Human - 0.01 %
Skin - Mild irritant
Rabbit - 540 mg
Skin - Moderate irritant
Rabbit - 24 hours 50 mg
Skin - Severe irritant
Rabbit - 24 hours 2 mg
Section 11. Toxicological information

Reproductive toxicity
Not available.

Teratogenicity
Not available.

Specific target organ toxicity (single exposure)

<table>
<thead>
<tr>
<th>Name</th>
<th>Category</th>
<th>Route of exposure</th>
<th>Target organs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene, mixed isomers</td>
<td>Category 3</td>
<td>-</td>
<td>Respiratory tract irritation</td>
</tr>
<tr>
<td>n-Butyl Acetate</td>
<td>Category 3</td>
<td>-</td>
<td>Narcotic effects</td>
</tr>
<tr>
<td>Ethanol</td>
<td>Category 3</td>
<td>-</td>
<td>Respiratory tract irritation</td>
</tr>
<tr>
<td>1-Butanol</td>
<td>Category 3</td>
<td>-</td>
<td>Narcotic effects</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>Category 3</td>
<td>-</td>
<td>Respiratory tract irritation</td>
</tr>
<tr>
<td>Formaldehyde (max.)</td>
<td>Category 3</td>
<td>-</td>
<td>Narcotic effects</td>
</tr>
</tbody>
</table>

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>Xylene, mixed isomers</td>
<td>Category 2</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Talc</td>
<td>Category 1</td>
<td>inhalation</td>
<td>lungs</td>
</tr>
<tr>
<td>Ethanol</td>
<td>Category 2</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>1-Butanol</td>
<td>Category 2</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>Category 2</td>
<td>-</td>
<td></td>
</tr>
<tr>
<td>Formaldehyde (max.)</td>
<td>Category 2</td>
<td>-</td>
<td></td>
</tr>
</tbody>
</table>

Aspiration hazard

<table>
<thead>
<tr>
<th>Name</th>
<th>Result</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene, mixed isomers</td>
<td>ASPIRATION HAZARD - Category 1</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>ASPIRATION HAZARD - Category 1</td>
</tr>
</tbody>
</table>

Information on the likely routes of exposure
Not available.

Potential acute health effects

Eye contact : Causes serious eye damage.
Inhalation : No known significant effects or critical hazards.
Skin contact : Causes skin irritation. May cause an allergic skin reaction.
Ingestion : May be fatal if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following:
- pain
- watering
- redness

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Inhalation: Adverse symptoms may include the following:
- reduced fetal weight
- increase in fetal deaths
- skeletal malformations

Skin contact: Adverse symptoms may include the following:
- pain or irritation
- redness
- blistering may occur
- reduced fetal weight
- increase in fetal deaths
- skeletal malformations

Ingestion: Adverse symptoms may include the following:
- stomach pains
- nausea or vomiting
- reduced fetal weight
- increase in fetal deaths
- skeletal malformations

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure
Potential immediate effects: Not available.
Potential delayed effects: Not available.

Long term exposure
Potential immediate effects: Not available.
Potential delayed effects: Not available.

Potential chronic health effects:
Not available.

General: Causes damage to organs through prolonged or repeated exposure. 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: Suspected of damaging the unborn child.

Developmental effects: No known significant effects or critical hazards.

Fertility effects: Suspected of damaging fertility.

Numerical measures of toxicity

Acute toxicity estimates

<table>
<thead>
<tr>
<th>Route</th>
<th>ATE value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oral</td>
<td>14818.36 mg/kg</td>
</tr>
<tr>
<td>Dermal</td>
<td>10935.11 mg/kg</td>
</tr>
<tr>
<td>Inhalation (gases)</td>
<td>74500.07 ppm</td>
</tr>
<tr>
<td>Inhalation (vapors)</td>
<td>646.79 mg/l</td>
</tr>
</tbody>
</table>

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### Section 12. Ecological information

#### Toxicity

<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>Xylene, mixed isomers</td>
<td>Acute LC50 8500 µg/l Marine water</td>
<td>Crustaceans - Palaemonetes pugio</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 13400 µg/l Fresh water</td>
<td>Crustaceans - Palaemonetes pugio</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 32 mg/l Marine water</td>
<td>Fish - Pimephales promelas</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 18000 µg/l Fresh water</td>
<td>Fish - Pimephales promelas</td>
<td>96 hours</td>
</tr>
<tr>
<td>n-Butyl Acetate</td>
<td>Acute EC50 17.921 mg/l Marine water</td>
<td>Algae - Ulva pertusa</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Acute EC50 2000 µg/l Marine water</td>
<td>Daphnia - Daphnia magna</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 25500 µg/l Marine water</td>
<td>Crustaceans - Artemia franciscana - Larvae</td>
<td>48 hours</td>
</tr>
<tr>
<td>Ethanol</td>
<td>Acute LC50 42000 µg/l Fresh water</td>
<td>Fish - Oncorhynchus mykiss</td>
<td>4 days</td>
</tr>
<tr>
<td></td>
<td>Chronic NOEC 4.995 mg/l Marine water</td>
<td>Algae - Ulva pertusa</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Chronic NOEC 100 ul/L Fresh water</td>
<td>Daphnia - Daphnia magna - Neonate</td>
<td>21 days</td>
</tr>
<tr>
<td></td>
<td>Chronic NOEC 0.375 ul/L Fresh water</td>
<td>Fish - Gambusia holbrooki - Larvae</td>
<td>12 weeks</td>
</tr>
<tr>
<td>1-Butanol</td>
<td>Acute EC50 1983 mg/l Fresh water</td>
<td>Daphnia - Daphnia magna</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 1730000 µg/l Fresh water</td>
<td>Fish - Pimephales promelas</td>
<td>96 hours</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>Acute EC50 4600 µg/l Fresh water</td>
<td>Algae - Pseudokirchneriella subcapitata</td>
<td>72 hours</td>
</tr>
<tr>
<td></td>
<td>Acute EC50 3600 µg/l Fresh water</td>
<td>Algae - Pseudokirchneriella subcapitata</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Acute EC50 6.53 mg/l Marine water</td>
<td>Crustaceans - Artemia sp. - Nauplii</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute EC50 2.93 mg/l Fresh water</td>
<td>Daphnia - Daphnia magna - Neonate</td>
<td>48 hours</td>
</tr>
<tr>
<td>Formaldehyde (max.)</td>
<td>Acute LC50 42000 µg/l Fresh water</td>
<td>Fish - Oncorhynchus mykiss</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Acute EC50 3.48 mg/l Fresh water</td>
<td>Algae - Desmodesmus subspicatus</td>
<td>72 hours</td>
</tr>
<tr>
<td></td>
<td>Acute EC50 0.788 mg/l Marine water</td>
<td>Algae - Ulv pertusa</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Acute EC50 12.98 mg/l Fresh water</td>
<td>Crustaceans - Ceriodaphnia dubia - Neonate</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute EC50 3.26 mg/l Fresh water</td>
<td>Daphnia - Daphnia magna - Embryo</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 1.41 ppm Fresh water</td>
<td>Fish - Oncorhynchus mykiss</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Chronic NOEC 0.005 mg/l Marine water</td>
<td>Algae - Isochrysis galbana - Exponential growth phase</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Chronic NOEC 1.56 mg/l Fresh water</td>
<td>Fish - Oreochromis niloticus - Fingerling</td>
<td>12 weeks</td>
</tr>
<tr>
<td>2-Ethyl-2-(hydroxymethyl)-1,3-propanediol</td>
<td>Acute EC50 13000000 µg/l Fresh water</td>
<td>Daphnia - Daphnia magna</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 14400000 µg/l Marine water</td>
<td>Fish - Cyprinodon variegatus</td>
<td>96 hours</td>
</tr>
</tbody>
</table>

#### Persistence and degradability

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Aquatic half-life</th>
<th>Photolysis</th>
<th>Biodegradability</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene, mixed isomers</td>
<td>-</td>
<td>-</td>
<td>Readily</td>
</tr>
<tr>
<td>n-Butyl Acetate</td>
<td>-</td>
<td>-</td>
<td>Readily</td>
</tr>
<tr>
<td>Ethanol</td>
<td>-</td>
<td>-</td>
<td>Readily</td>
</tr>
<tr>
<td>1-Butanol</td>
<td>-</td>
<td>-</td>
<td>Readily</td>
</tr>
<tr>
<td>Ethylbenzene</td>
<td>-</td>
<td>-</td>
<td>Readily</td>
</tr>
</tbody>
</table>

#### Bioaccumulative potential

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Section 12. Ecological information

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>LogP&lt;sub&gt;ow&lt;/sub&gt;</th>
<th>BCF</th>
<th>Potential</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene, mixed isomers</td>
<td>-</td>
<td>8.1 to 25.9</td>
<td>low</td>
</tr>
<tr>
<td>2-Ethyl-2-(hydroxymethyl)-1,3-propanediol</td>
<td>-</td>
<td>&lt;1</td>
<td>low</td>
</tr>
</tbody>
</table>

**Mobility in soil**

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

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

Section 13. Disposal considerations

**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. 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. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

<table>
<thead>
<tr>
<th></th>
<th>DOT Classification</th>
<th>TDG Classification</th>
<th>Mexico Classification</th>
<th>IATA</th>
<th>IMDG</th>
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<tbody>
<tr>
<td><strong>UN number</strong></td>
<td>UN1263</td>
<td>UN1263</td>
<td>UN1263</td>
<td>UN1263</td>
<td>UN1263</td>
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<tr>
<td><strong>UN proper shipping name</strong></td>
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<tr>
<td><strong>Transport hazard class(es)</strong></td>
<td>3</td>
<td>3</td>
<td>3</td>
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<td>3</td>
</tr>
<tr>
<td><strong>Packing group</strong></td>
<td>II</td>
<td>II</td>
<td>II</td>
<td>II</td>
<td>II</td>
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<tr>
<td><strong>Environmental hazards</strong></td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
<td>No.</td>
</tr>
<tr>
<td><strong>Additional information</strong></td>
<td>-</td>
<td>Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.18-2.19 (Class 3).</td>
<td>-</td>
<td>-</td>
<td>Emergency schedules F-E, S-E</td>
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</tbody>
</table>

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**Date of previous issue**: 7/3/2020

**Version**: 23

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SHW-85-NA-GHS-CA
Section 14. Transport information

<table>
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<th>ERG No.</th>
<th>ERG No.</th>
<th>ERG No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>128</td>
<td>128</td>
<td>128</td>
</tr>
</tbody>
</table>

Special precautions for user: Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (sea, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport. People loading and unloading dangerous goods must be trained on all of the risks deriving from the substances and on all actions in case of emergency situations.

Transport in bulk according to IMO instruments: Not available.

Proper shipping name: Not available.

Section 15. Regulatory information

International regulations

<table>
<thead>
<tr>
<th>International lists</th>
<th>Australia inventory (AICS): Not determined.</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>China inventory (IECSC): Not determined.</td>
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<td></td>
<td>Japan inventory (ENCS): Not determined.</td>
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<td></td>
<td>Japan inventory (ISHL): Not determined.</td>
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<td></td>
<td>Korea inventory (KECI): Not determined.</td>
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<td></td>
<td>New Zealand Inventory of Chemicals (NZIoC): Not determined.</td>
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<tr>
<td></td>
<td>Philippines inventory (PICCS): Not determined.</td>
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<tr>
<td></td>
<td>Taiwan Chemical Substances Inventory (TCSI): Not determined.</td>
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<tr>
<td></td>
<td>Thailand inventory: Not determined.</td>
</tr>
<tr>
<td></td>
<td>Turkey inventory: Not determined.</td>
</tr>
<tr>
<td></td>
<td>Vietnam inventory: Not determined.</td>
</tr>
</tbody>
</table>

Section 16. Other information

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

- Health: 3
- Flammability: 3
- Physical hazards: 0

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.

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.

Procedure used to derive the classification

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**Section 16. Other information**

<table>
<thead>
<tr>
<th>Classification</th>
<th>Justification</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLAMMABLE LIQUIDS - Category 2</td>
<td>On basis of test data</td>
</tr>
<tr>
<td>SKIN CORROSION/IRRITATION - Category 2</td>
<td>Calculation method</td>
</tr>
<tr>
<td>SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1</td>
<td>Calculation method</td>
</tr>
<tr>
<td>SKIN SENSITIZATION - Category 1</td>
<td>Calculation method</td>
</tr>
<tr>
<td>CARCINOGENICITY - Category 1A</td>
<td>Calculation method</td>
</tr>
<tr>
<td>TOXIC TO REPRODUCTION - Category 2</td>
<td>Calculation method</td>
</tr>
<tr>
<td>SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1</td>
<td>Calculation method</td>
</tr>
<tr>
<td>ASPIRATION HAZARD - Category 1</td>
<td>Calculation method</td>
</tr>
</tbody>
</table>

**History**

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- **Date of issue/Date of revision**: 9/22/2020
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- **Version**: 23

**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)
- N/A = Not available
- SGG = Segregation Group
- UN = United Nations

*Indicates information that has changed from previously issued version.*

**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.