SAFETY DATA SHEET
40.10206-

Section 1. Identification

Product name : H&C® INFUSION™ Reactive Concrete Stain
Potato Ivy
Product code : 40.10206-
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 : H&C Products Group
101 W. Prospect Avenue
Cleveland, OH 44115

Emergency telephone number of the company
US/Canada: (800) 424-9300
Mexico: CHEMTREC Mexico 01-800-681-9531. Available 24 hours and 365 days per year

Product Information Telephone Number
US/Canada: (800) 867-8246
Mexico: 01-800-71-73-123 / (52) 53-33-15-01

Regulatory Information Telephone Number
US/Canada: (216) 566-2902
Mexico: 01-800-71-73-123 / (52) 53-33-15-01

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

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture
ACUTE TOXICITY (oral) - Category 4
SKIN CORROSION/IRRITATION - Category 1
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1

Percentage of the mixture consisting of ingredient(s) of unknown acute oral toxicity: 5.5%
Percentage of the mixture consisting of ingredient(s) of unknown acute dermal toxicity: 5.5%
Percentage of the mixture consisting of ingredient(s) of unknown acute inhalation toxicity: 35%

GHS label elements
Hazard pictograms :

Signal word : Danger
Hazard statements : Harmful if swallowed. Causes severe skin burns and eye damage.

Precautionary statements
Section 2. Hazards identification

**General**
Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

**Prevention**
Wear protective gloves. Wear eye or face protection. Wear protective clothing. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.

**Response**
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician. IF SWALLOWED: Immediately call a POISON CENTER or physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or physician. 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 physician.

**Storage**
Store locked up.

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

**Supplemental label elements**
None known.

**Hazards not otherwise classified**
None known.

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

Section 3. Composition/information on ingredients

Substance/mixture: Mixture
Other means of identification: Not available.

**CAS number/other identifiers**

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>% by weight</th>
<th>CAS number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copper Chloride</td>
<td>≥25 - ≤50</td>
<td>7447-39-4</td>
</tr>
<tr>
<td>Hydrochloric acid</td>
<td>≤10</td>
<td>7647-01-0</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.
Section 4. First aid measures

### Skin contact
Get medical attention immediately. Call a poison center or physician. Wash contaminated skin with 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. 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 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. 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.
- **Inhalation**: No known significant effects or critical hazards.
- **Skin contact**: Causes severe burns.
- **Ingestion**: Harmful if swallowed.

#### Over-exposure signs/symptoms

- **Eye contact**: Adverse symptoms may include the following:
  - pain
  - watering
  - redness
- **Inhalation**: No specific data.
- **Skin contact**: Adverse symptoms may include the following:
  - pain or irritation
  - redness
  - blistering may occur
- **Ingestion**: Adverse symptoms may include the following:
  - stomach pains

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

- **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

**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. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

**Hazardous thermal decomposition products**: Decomposition products may include the following materials:
- halogenated compounds
- 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. 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 spilled material. 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). Water polluting material. May be harmful to the environment if released in large quantities.

**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). The spilled material may be neutralized with sodium carbonate, sodium bicarbonate or sodium hydroxide. 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

Precautions for safe handling

Protective measures: Put on appropriate personal protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not ingest. 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. Keep away from alkalis. 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.

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. Separate from alkalis. 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>
<tbody>
<tr>
<td>Copper Chloride</td>
<td>7447-39-4</td>
<td>None.</td>
</tr>
<tr>
<td>Hydrochloric acid</td>
<td>7447-01-0</td>
<td>ACGIH TLV (United States, 3/2019).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C: 2 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH REL (United States, 10/2016).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CEIL: 5 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CEIL: 7 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA PEL (United States, 5/2018).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CEIL: 5 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CEIL: 7 mg/m³</td>
</tr>
</tbody>
</table>

Occupational exposure limits (Canada)

<table>
<thead>
<tr>
<th>Ingredient name</th>
<th>CAS #</th>
<th>Exposure limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrochloric acid 10,2 N</td>
<td>7647-01-0</td>
<td>CA Alberta Provincial (Canada, 6/2018).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C: 3 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C: 2 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CA British Columbia Provincial (Canada, 5/2019).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C: 2 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CA Ontario Provincial (Canada, 1/2018).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>C: 2 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CA Quebec Provincial (Canada, 1/2014).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEV: 5 ppm 15 minutes.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>STEV: 7.5 mg/m³ 15 minutes.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CA Saskatchewan Provincial (Canada, 7/2013).</td>
</tr>
<tr>
<td></td>
<td></td>
<td>CEIL: 2 ppm</td>
</tr>
</tbody>
</table>

Occupational exposure limits (Mexico)

Date of issue/Date of revision: 11/29/2019  Date of previous issue: 7/15/2019  Version: 6
Section 8. Exposure controls/personal protection

<table>
<thead>
<tr>
<th>Appropriate engineering controls</th>
<th>Environment controls</th>
<th>Individual protection measures</th>
</tr>
</thead>
<tbody>
<tr>
<td>若用户操作产生灰尘、烟雾、气体、蒸汽或雾气，应使用过程封闭、局部排气通风或其他工程控制措施，以防止工人接触空气中的污染物。</td>
<td>应确保通风或工作过程设备的排放符合环境保护法规的要求。在某些情况下，应检查通风或局部排气装置的性能，以确保它们符合环境保护法规的要求。</td>
<td>洗手、胳膊和脸部应彻底清洁后，再吃东西、吸烟或去洗手间。确保眼洗站和安全淋浴位于工作区域附近。</td>
</tr>
</tbody>
</table>

**Hand protection**

- 化学抗性、不透水的防护手套，符合批准标准，应始终佩戴，处理化学品时。
- 安全护目镜应符合批准的标准，必要时使用，以防化学品溅出。
- 若吸入危害存在，可能需要使用全脸防护呼吸器。

**Eye/face protection**

<table>
<thead>
<tr>
<th>Body protection</th>
<th>Other skin protection</th>
</tr>
</thead>
</table>
| 个人防护装备的选择应基于任务和风险，并且应由专家批准，以防止处理该产品。
| 适当的鞋类和任何额外的皮肤防护措施应选择，根据任务和风险，并且应由专家批准，以防止处理该产品。

**Respiratory protection**

- 基于危害和暴露风险，选择符合相应标准或认证的呼吸器。
- 化学防护眼镜
- 若吸气危害存在，则可能需要使用全脸防护呼吸器。

**Individual protection measures**

<table>
<thead>
<tr>
<th>Respiratory protection</th>
</tr>
</thead>
</table>
| 基于危害和潜在暴露，选择符合相应标准或认证的呼吸器。

**Skin protection**

**Hygiene measures**

- 洗手、胳膊和脸部应彻底清洁后，再吃东西、吸烟或去洗手间。确保眼洗站和安全淋浴位于工作区域附近。 | 洗手、胳膊和脸部应彻底清洁后，再吃东西、吸烟或去洗手间。确保眼洗站和安全淋浴位于工作区域附近。 |

**Environmental exposure controls**

- 确保通风或工作过程设备的排放符合环境保护法规的要求。在某些情况下，应检查通风或局部排气装置的性能，以确保它们符合环境保护法规的要求。 | 确保通风或工作过程设备的排放符合环境保护法规的要求。在某些情况下，应检查通风或局部排气装置的性能，以确保它们符合环境保护法规的要求。 |

**Hydrochloric acid**

- CAS #: 7647-01-0
- CEIL: 2 ppm

**Physical and chemical properties**

- **Appearance**
  - Physical state: 液体
  - Color: 未提供
  - Odor: 未提供
  - Odor threshold: 未提供
  - pH: 2
  - Melting point/freezing point: 未提供
  - Boiling point/boiling range: 93°C (199.4°F)
  - Flash point: >94°C (>201.2°F) [Pensky-Martens Closed Cup]
**Section 9. Physical and chemical properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Evaporation rate</td>
<td>0.09 (butyl acetate = 1)</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Lower and upper explosive (flammable) limits</td>
<td>Not available.</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>2.3 kPa (17.5 mm Hg) [at 20°C]</td>
</tr>
<tr>
<td>Vapor density</td>
<td>1 [Air = 1]</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.3</td>
</tr>
<tr>
<td>Solubility</td>
<td>Not available.</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>Not available.</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Kinematic (40°C (104°F)): &gt;0.205 cm²/s (&gt;20.5 cSt)</td>
</tr>
<tr>
<td>Molecular weight</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Aerosol product</td>
<td></td>
</tr>
<tr>
<td>Heat of combustion</td>
<td>0 kJ/g</td>
</tr>
</tbody>
</table>

**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**: No specific data.

**Incompatible materials**: Attacks many metals producing extremely flammable hydrogen gas which can form explosive mixtures with air. Reactive or incompatible with the following materials: alkalis

**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>Copper Chloride</td>
<td>LD50 Oral</td>
<td>Rat</td>
<td>140 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>Hydrochloric acid</td>
<td>Eyes - Mild irritant</td>
<td>Rabbit</td>
<td>-</td>
<td>0.5 minutes 5 mg</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Skin - Mild irritant</td>
<td>Human</td>
<td>-</td>
<td>24 hours 4 %</td>
<td>-</td>
</tr>
</tbody>
</table>

**Sensitization**

**Date of issue/Date of revision**: 11/29/2019

**Date of previous issue**: 7/15/2019

**Version**: 6

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Potato Ivy
Section 11. Toxicological information

Not available.

Mutagenicity
Not available.

Carcinogenicity
Not available.

Classification

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>OSHA</th>
<th>IARC</th>
<th>NTP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrochloric acid</td>
<td>-</td>
<td>3</td>
<td>-</td>
</tr>
</tbody>
</table>

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>Hydrochloric acid</td>
<td>Category 3</td>
<td>Not applicable.</td>
<td>Respiratory tract irritation</td>
</tr>
</tbody>
</table>

Specific target organ toxicity (repeated exposure)
Not available.

Aspiration hazard
Not available.

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 severe burns.
Ingestion : Harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics

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

Inhalation : No specific data.
Skin contact : Adverse symptoms may include the following:
- pain or irritation
- redness
- blistering may occur
Ingestion : Adverse symptoms may include the following:
- stomach pains

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

Short term exposure
Section 11. Toxicological information

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 : No known significant effects or critical hazards.
Carcinogenicity : No known significant effects or critical hazards.
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.

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>1694.92 mg/kg</td>
</tr>
<tr>
<td>Dermal</td>
<td>3728.81 mg/kg</td>
</tr>
</tbody>
</table>

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>Copper Chloride</td>
<td>Acute EC50 8.4 µg/l Fresh water</td>
<td>Aquatic plants - Ceratophyllum demersum</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Acute IC50 2 µg/l Marine water</td>
<td>Algae - Isochrysis sp.</td>
<td>72 hours</td>
</tr>
<tr>
<td></td>
<td>Acute IC50 2 µg/l Marine water</td>
<td>Algae - Isochrysis sp.</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 0.8478 µg/l Fresh water</td>
<td>Crustaceans - Ceriodaphnia dubia</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 5 µg/l Fresh water</td>
<td>Daphnia - Daphnia hyalina - Adult</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 0.01 µg/l Fresh water</td>
<td>Fish - Esomus danricus</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Chronic NOEC 1 µg/l Marine water</td>
<td>Algae - Isochrysis sp.</td>
<td>96 hours</td>
</tr>
<tr>
<td></td>
<td>Chronic NOEC 5 µg/l Fresh water</td>
<td>Aquatic plants - Potamogeton pusillus</td>
<td>3 days</td>
</tr>
<tr>
<td></td>
<td>Chronic NOEC 1 mg/l Fresh water</td>
<td>Crustaceans - Potamonautes warreni - Adult</td>
<td>21 days</td>
</tr>
<tr>
<td>Hydrochloric acid</td>
<td>Chronic NOEC 0.4 µg/l Fresh water</td>
<td>Daphnia - Daphnia pulex</td>
<td>21 days</td>
</tr>
<tr>
<td></td>
<td>Chronic NOEC 9.21 µg/l Fresh water</td>
<td>Fish - Oncorhynchus mykiss</td>
<td>56 days</td>
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<tr>
<td></td>
<td>Acute LC50 240000 µg/l Marine water</td>
<td>Crustaceans - Carcinus maenas - Adult</td>
<td>48 hours</td>
</tr>
<tr>
<td></td>
<td>Acute LC50 282 ppm Fresh water</td>
<td>Fish - Gambusia affinis - Adult</td>
<td>96 hours</td>
</tr>
</tbody>
</table>

Persistence and degradability
Not available.
Section 12. Ecological information

**Bioaccumulative potential**
Not available.

**Mobility in soil**
- Soil/water partition coefficient ($K_{OC}$): 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. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

<table>
<thead>
<tr>
<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>UN number</td>
<td>UN3066</td>
<td>UN3066</td>
<td>UN3066</td>
<td>UN3066</td>
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<tr>
<td>UN proper shipping name</td>
<td>PAINT</td>
<td>PAINT</td>
<td>PAINT</td>
<td>PAINT. Marine pollutant (Copper Chloride)</td>
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<tr>
<td>Transport hazard class(es)</td>
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<td>8</td>
<td>8</td>
<td>8</td>
</tr>
<tr>
<td>Packing group</td>
<td>III</td>
<td>III</td>
<td>III</td>
<td>III</td>
</tr>
<tr>
<td>Additional information</td>
<td>ERG No. 153</td>
<td>Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.40-2.42 (Class 8).</td>
<td>ERG No. 153</td>
<td>The environmentally hazardous substance mark may appear if required by other transportation regulations.</td>
</tr>
</tbody>
</table>
Section 14. Transport information

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 Annex II of MARPOL and the IBC Code: Not available.

Proper shipping name: Not available.
Ship type: Not available.
Pollution category: Not available.

Section 15. Regulatory information

SARA 313
SARA 313 (40 CFR 372.45) supplier notification can be found on the Environmental Data Sheet.

California Prop. 65
Not applicable.

International regulations

International lists:

- Australia inventory (AICS): Not determined.
- China inventory (IECSC): Not determined.
- Japan inventory (ENCS): Not determined.
- Japan inventory (ISHL): Not determined.
- Korea inventory (KECI): Not determined.
- New Zealand Inventory of Chemicals (NZIoC): Not determined.
- Philippines inventory (PICCS): Not determined.
- Taiwan Chemical Substances Inventory (TCSI): Not determined.
- Thailand inventory: Not determined.
- Turkey inventory: Not determined.
- Vietnam inventory: Not determined.

Section 16. Other information

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

Health: 3
Flammability: 1
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
### Section 16. Other information

<table>
<thead>
<tr>
<th>Classification</th>
<th>Justification</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACUTE TOXICITY (oral) - Category 4</td>
<td>Calculation method</td>
</tr>
<tr>
<td>SKIN CORROSION/IRRITATION - Category 1</td>
<td>On basis of test data</td>
</tr>
<tr>
<td>SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 1</td>
<td>On basis of test data</td>
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#### History

<table>
<thead>
<tr>
<th>Date of printing</th>
<th>11/29/2019</th>
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<tr>
<td>Date of issue/Date of revision</td>
<td>11/29/2019</td>
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<tr>
<td>Date of previous issue</td>
<td>7/15/2019</td>
</tr>
<tr>
<td>Version</td>
<td>6</td>
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#### 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
- 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.