1. Identification of the preparation and company

1.1. Product identifier
Product Identity: MICRON CF RED
Bulk Sales Reference No.: YBD102

1.2. Relevant identified uses of the substance or mixture and uses advised against
Intended Use: See Technical Data Sheet.
Application Method: See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet
Company Name: Akzo Nobel Coatings
International Paint LLC
6001 Antoine Drive
Houston, TX 77095

Emergency
CHEMTREC (USA) (800) 424-9300
International Paint (713) 527-3887
Poison Control Center (800) 854-681
Customer Service
International Paint (800) 589-1267
Fax No. (800) 631-7481

2. Hazard identification of the product

2.1. Classification of the substance or mixture
Flam. Liq. 3;H226 Flammable liquid and vapor.
Acute Tox. 4;H302 Harmful if swallowed.
Acute Tox. 5;H313 May be harmful in contact with skin.
Acute Tox. 4;H332 Harmful if inhaled.
Skin Irrit. 2;H315 Causes skin irritation.
Eye Dam. 1;H318 Causes serious eye damage.
Aquatic Acute 1;H400 Very toxic to aquatic life.
Aquatic Chronic 2;H411 Toxic to aquatic life with long lasting effects.

2.2. Label elements
Using the Toxicity Data listed in section 11 & 12 the product is labelled as follows.

Danger.

H226 Flammable liquid and vapor.
H302 Harmful if swallowed.
H313 May be harmful in contact with skin.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H400 Very toxic to aquatic life.
H411 Toxic to aquatic life with long lasting effects.

P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.
P260 Do not breathe mist / vapors / spray.
P261 Avoid breathing dust / fume / gas / mist / vapors / spray.
P262 Do not get in eyes, on skin, or on clothing.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P273 Avoid release to the environment.
P280 Wear protective gloves / eye protection / face protection.
P301+310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+352 IF ON SKIN: Wash with soap and water.
P303+361+353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+312 IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.
P312 Call a POISON CENTER or doctor / physician if you feel unwell.
P330 Rinse mouth.
P331 Do NOT induce vomiting.
P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P362 Take off contaminated clothing and wash before reuse.
P370 In case of fire: Use water spray, fog, or regular foam.
P391 Collect spillage.
P403+233 Store in a well ventilated place. Keep container tightly closed.
P501 Dispose of contents / container in accordance with local / national regulations.

HMIS Rating
Health: 2* Flammability: 3 Reactivity: 0

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

<table>
<thead>
<tr>
<th>Ingredient/Chemical Designations</th>
<th>Weight %</th>
<th>GHS Classification</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc oxide</td>
<td>10 - 25</td>
<td>Aquatic Acute 1;H400 Aquatic Chronic 1:H410</td>
<td>[1][2]</td>
</tr>
<tr>
<td>CAS Number: 0001314-13-2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Barium sulfate</td>
<td>10 - 25</td>
<td>----</td>
<td>[1][2]</td>
</tr>
<tr>
<td>CAS Number: 0007727-43-7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Xylenes (o-, m-, p- isomers)</td>
<td>1.0 - 10</td>
<td>Flam. Liq. 3;H226 Acute Tox. 4;H332 Acute Tox. 4;H312 Skin Irrit. 2;H315 Eye Irrit. 2;H319 STOT SE 3;H335 Asp. Tox. 1;H304</td>
<td>[1][2]</td>
</tr>
<tr>
<td>CAS Number: 0001330-20-7</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Naphtha (petroleum), heavy aromatic</td>
<td>1.0 - 10</td>
<td>Asp. Tox. 1;H304</td>
<td>[1]</td>
</tr>
<tr>
<td>CAS Number: 0064742-94-5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>p-Chloro-a,a,a-trifluorotoluene</td>
<td>1.0 - 10</td>
<td>Flam. Liq. 2;H225 Skin Irrit. 2;H315 Eye Irrit. 2;H319 STOT SE 3;H335</td>
<td>[1]</td>
</tr>
<tr>
<td>CAS Number: 0000098-56-6</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Zinc pyrithione</td>
<td>1.0 - 10</td>
<td>Acute Tox. 4;H302 Acute Tox. 1;H330</td>
<td>[1]</td>
</tr>
<tr>
<td>CAS Number: 0013463-41-7</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
4. First aid measures

4.1. Description of first aid measures

**General**
Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before reuse. Thoroughly clean or destroy contaminated shoes.

**Inhalation**
If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

**Eyes**
In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention immediately.

**Skin**
In case of contact, immediately flush skin with soap and plenty of water. Get medical attention immediately.

**Ingestion**
If swallowed, immediately contact Poison Control Center at 1-800-854-6813. DO NOT induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person.

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

**Overview**
NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Avoid contact with eyes, skin and clothing.

**Inhalation**
Harmful if inhaled. May cause lung injury. Causes nose and throat irritation. Vapors may affect the brain or nervous system causing dizziness, headache or nausea.

**Eyes**
Causes severe eye irritation. Avoid contact with eyes.

**Skin**
Causes skin irritation. May be harmful if absorbed through the skin.

**Ingestion**
Harmful if swallowed. May cause abdominal pain, nausea, vomiting, diarrhea, or drowsiness.

**Chronic effects**
Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 2 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure.

5. Fire-fighting measures

5.1. Extinguishing media

CAUTION: This product has a very low flashpoint. Use of water spray when fighting fire may be inefficient.

**CAUTION:** For mixtures containing alcohol or polar solvent, alcohol-resistant foam may be more effective.

**SMALL FIRES:** Use dry chemical, CO2, water spray or regular foam. **LARGE FIRES:** Use water spray, fog, or regular foam. Do not use straight streams. Move containers from fire area if you can do so without risk.

5.2. Special hazards arising from the substance or mixture

**HIGHLY FLAMMABLE MATERIALS:** Will be easily ignited by heat, sparks or flames. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks).
creating a vapor explosion hazard. Runoff to sewers may create fire or explosion hazard. Containers may explode when heated. Many liquids are lighter than water.

5.3. Advice for fire-fighters
Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water courses.

ERG Guide No. 128

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
ELIMINATE ALL IGNITION SOURCES (no smoking, flares, sparks or flames in immediate area). Use only non-sparking equipment to handle spilled material and absorbent. Do not touch or walk through spilled material. Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb or cover with dry earth, sand, or other non-combustible material and transfer to containers. Use non-sparking tools to collect absorbed material.

6.2. Environmental precautions
Do not allow spills to enter drains or watercourses.

6.3. Methods and material for containment and cleaning up
CALL CHEMTREC at (800)-424-9300 for emergency response. Isolate spill or leak area immediately for at least 50 meters (150 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Keep out of low areas. Ventilate closed spaces before entering. LARGE SPILLS: Consider initial downwind evacuation for at least 300 meters (1000 feet).

7. Handling and storage

7.1. Precautions for safe handling
Handling
Vapors may cause flash fire or ignite explosively.

In Storage
Keep away from heat, sparks and flame.

7.2. Conditions for safe storage, including any incompatibilities
Store between 40-100F (4-38C).
Do not get in eyes, on skin or clothing.
Strong oxidizing agents.
Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and other sources of ignition during use and until all vapors are gone.

7.3. Specific end use(s)
Close container after each use.
Wash thoroughly after handling.
Prevent build-up of vapors by opening all windows and doors to achieve cross-ventilation.

8. Exposure controls and personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000091-20-3</td>
<td>Naphthalene</td>
<td>OSHA</td>
<td>10 ppm TWA; 50 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>TWA 15 ppm STEL; 75 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td>ACGIH</td>
<td>10 ppm TWA; 15 ppm STEL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NIOSH</td>
<td>10 ppm TWA; 50 mg/m3</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>TWA 15 ppm STEL; 75</td>
</tr>
<tr>
<td>CAS Number</td>
<td>Chemical Name</td>
<td>Supplier</td>
<td>OSHA</td>
</tr>
<tr>
<td>------------</td>
<td>-------------------------------------------</td>
<td>----------</td>
<td>------</td>
</tr>
<tr>
<td>0000098-56-6</td>
<td>p-Chloro-a,a,a-trifluorotoluene</td>
<td></td>
<td>OSHA</td>
</tr>
<tr>
<td>0001314-13-2</td>
<td>Zinc oxide</td>
<td></td>
<td>OSHA</td>
</tr>
<tr>
<td>0001330-20-7</td>
<td>Xylenes (o-, m-, p-isomers)</td>
<td></td>
<td>OSHA</td>
</tr>
</tbody>
</table>

**OSHA**
- Supplier: OHSA, CAN
- Mexico
- Brazil

**ACGIH**
- Supplier: OSHA, CAN

**NIOSH**
- Supplier: OHSA, CAN
- Mexico
- Brazil

**mg/m3 STEL**
- Supplier: OSHA, CAN
- Mexico
- Brazil

**STEL**
- Supplier: OSHA, CAN
- Mexico
- Brazil

**IDLH**
- Supplier: OSHA, CAN

**TWA**
- Supplier: OSHA, CAN
- Mexico
- Brazil
<table>
<thead>
<tr>
<th>Compound</th>
<th>Description</th>
<th>OSHA</th>
<th>ACGIH</th>
<th>NIOSH</th>
<th>Supplier</th>
</tr>
</thead>
<tbody>
<tr>
<td>Barium sulfate</td>
<td>0007727-43-7</td>
<td>15 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable fraction)</td>
<td>10 mg/m³ TWA</td>
<td>10 mg/m³ TWA (total dust); 5 mg/m³ TWA (respirable dust)</td>
<td>OHSA, CAN; Mexico; Brazil</td>
</tr>
<tr>
<td>Zinc pyrithione</td>
<td>0013463-41-7</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Titanium dioxide</td>
<td>0013463-67-7</td>
<td>15 mg/m³ TWA (total dust)</td>
<td>10 mg/m³ TWA</td>
<td>5000 mg/m³ IDLH</td>
<td></td>
</tr>
<tr>
<td>Naphtha (petroleum), heavy aromatic</td>
<td>0064742-94-5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Health Data

<table>
<thead>
<tr>
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<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000091-20-3</td>
<td>Naphthalene</td>
<td>NIOSH</td>
<td>Hemolysis and eye irritation that causes cataracts</td>
</tr>
<tr>
<td>0000098-56-6</td>
<td>p-Chloro-a,a,a-trifluorotoluene</td>
<td>NIOSH</td>
<td></td>
</tr>
<tr>
<td>0001314-13-2</td>
<td>Zinc oxide</td>
<td>NIOSH</td>
<td>Metal fume fever</td>
</tr>
<tr>
<td>0001330-20-7</td>
<td>Xylenes (o-, m-, p- isomers)</td>
<td>NIOSH</td>
<td>Central nervous system depressant; respiratory and eye irritation</td>
</tr>
<tr>
<td>0007727-43-7</td>
<td>Barium sulfate</td>
<td>NIOSH</td>
<td>Eye nose</td>
</tr>
<tr>
<td>0013463-41-7</td>
<td>Zinc pyrithione</td>
<td>NIOSH</td>
<td></td>
</tr>
<tr>
<td>0013463-67-7</td>
<td>Titanium dioxide</td>
<td>NIOSH</td>
<td>Lung tumors in animals</td>
</tr>
<tr>
<td>0064742-94-5</td>
<td>Naphtha (petroleum), heavy aromatic</td>
<td>NIOSH</td>
<td></td>
</tr>
<tr>
<td>0122454-29-9</td>
<td>2-(P-CHLOROPHENYL)-3-CYANO-4-BROMO-5-TRIFLUOROMETHYL PYRROLE</td>
<td>NIOSH</td>
<td></td>
</tr>
</tbody>
</table>

### Carcinogen Data

<table>
<thead>
<tr>
<th>CAS No.</th>
<th>Ingredient</th>
<th>Source</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>0000091-20-3</td>
<td>Naphthalene</td>
<td>OSHA</td>
<td>Select Carcinogen: Yes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NTP</td>
<td>Known: No; Suspected: Yes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IARC</td>
<td>Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No; Group 4: No;</td>
</tr>
<tr>
<td>0000098-56-6</td>
<td>p-Chloro-a,a,a-trifluorotoluene</td>
<td>OSHA</td>
<td>Select Carcinogen: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NTP</td>
<td>Known: No; Suspected: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IARC</td>
<td>Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;</td>
</tr>
<tr>
<td>0001314-13-2</td>
<td>Zinc oxide</td>
<td>OSHA</td>
<td>Select Carcinogen: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NTP</td>
<td>Known: No; Suspected: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IARC</td>
<td>Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;</td>
</tr>
<tr>
<td>0001330-20-7</td>
<td>Xylenes (o-, m-, p- isomers)</td>
<td>OSHA</td>
<td>Select Carcinogen: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NTP</td>
<td>Known: No; Suspected: No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>IARC</td>
<td>Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;</td>
</tr>
<tr>
<td>CAS Number</td>
<td>Substance</td>
<td>OSHA Select Carcinogen</td>
<td>NTP Known</td>
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<td>----------------------------------------</td>
<td>------------------------</td>
<td>-----------</td>
</tr>
<tr>
<td>0007727-43-7</td>
<td>Barium sulfate</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>0013463-41-7</td>
<td>Zinc pyrithione</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>0013463-67-7</td>
<td>Titanium dioxide</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>0064742-94-5</td>
<td>Naphtha (petroleum), heavy aromatic</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>0122454-29-9</td>
<td>2-(P-CHLOROPHENYL)-3-CYANO-4-BROMO-5-TRIFLUOROMETHYL PYRROLE</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

### 8.2. Exposure controls

**Respiratory**
Select equipment to provide protection from the ingredients listed in Section 3 of this document. Ensure fresh air entry during application and drying. If you experience eye watering, headache or dizziness or if air monitoring demonstrates dust, vapor, or mist levels are above applicable limits, wear an appropriate, properly fitted respirator (NIOSH approved) during and after application. Follow respirator manufacturer’s directions for respirator use. FOR USERS OF 3M RESPIRATORY PROTECTION ONLY: For information and assistance on 3M occupational health and safety products, call OH&ESD Technical Service toll free in U.S.A. 1-800-243-4630, in Canada call 1-800-267-4414. Please do not contact these numbers regarding other manufacturer’s respiratory protection products. 3M does not endorse the accuracy of the information contained in this Material Safety Data Sheet.

**Eyes**
Avoid contact with eyes. Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 3 of this document. Depending on the site-specific conditions of use, safety glasses, chemical goggles, and/or head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.

**Skin**
Protective equipment should be selected to provide protection from exposure to the chemicals listed in Section 3 of this document. Depending on the site-specific conditions of use, protective gloves, apron, boots, head and face protection may be required to prevent contact. The equipment must be thoroughly cleaned, or discarded after each use.

**Engineering Controls**
Depending on the site-specific conditions of use, provide adequate ventilation.

**Other Work Practices**
Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Use good personal hygiene practices. Wash hands before eating, drinking, using toilet facilities, etc. Promptly remove soiled clothing and wash clothing thoroughly before reuse. Shower after work using plenty of soap and water.

### 9. Physical and chemical properties

- **Appearance**: Red Liquid
- **Odour threshold**: Not Measured
- **pH**: No Established Limit
- **Melting point / freezing point**: Not Measured
Initial boiling point and boiling range: 139 (°C) 282 (°F)
Flash Point: 27 (°C) 80 (°F)
Evaporation rate (Ether = 1) Not Measured
Flammability (solid, gas) Not Applicable
Upper/lower flammability or explosive limits: Lower Explosive Limit: .9

Vapor pressure (Pa) Not Measured
Vapor Density Heavier than air
Specific Gravity: 1.59
Partition coefficient n-octanol/water (Log Kow) Not Measured
Auto-ignition temperature Not Measured
Decomposition temperature Not Measured
Viscosity (cSt) No Established Limit Not Measured
VOC % Refer to the Technical Data Sheet or label where information is available.
VOHAP content (gm/litre of paint): 272.79 (as supplied)
VOHAP content (gm/litre of Solid Coating): 159.72 (as supplied)

10. Stability and reactivity

10.1. Reactivity
No data available
10.2. Chemical stability
This product is stable and hazardous polymerization will not occur. Not sensitive to mechanical impact.
Excessive heat and fumes generation can occur if improperly handled.
10.3. Possibility of hazardous reactions
No data available
10.4. Conditions to avoid
No data available
10.5. Incompatible materials
Strong oxidizing agents.
10.6. Hazardous decomposition products
HIGHLY FLAMMABLE MATERIALS: Will be easily ignited by heat, sparks or flames. Vapors may form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks) creating a vapor explosion hazard. Runoff to sewers may create fire or explosion hazard. Containers may explode when heated. Many liquids are lighter than water.

11. Toxicological information

Acute toxicity

NOTICE: Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Oral LD50, mg/kg</th>
<th>Skin LD50, mg/kg</th>
<th>Inhalation Vapor LD50, mg/L/4hr</th>
<th>Inhalation Dust/Mist LD50, mg/L/4hr</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc oxide - (1314-13-2)</td>
<td>5,000.00, Rat - Category: 5</td>
<td>No data available</td>
<td>No data available</td>
<td>2.50, Mouse - Category: 4</td>
</tr>
<tr>
<td>Barium sulfate - (7727-43-7)</td>
<td>3,000.00, Mouse - Category: 5</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Xylenes (o-, m-, p- isomers) - (1330-20-7)</td>
<td>4,299.00, Rat - 1,548.00, Rabbit - 20.00, Rat - Category: 4</td>
<td>No data available</td>
<td>No data available</td>
<td>No data available</td>
</tr>
<tr>
<td>Item</td>
<td>Category</td>
<td>Hazard</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------</td>
<td>----------</td>
<td>--------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute Toxicity (mouth)</td>
<td>4</td>
<td>Harmful if swallowed.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute Toxicity (skin)</td>
<td>5</td>
<td>May be harmful in contact with skin.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acute Toxicity (inhalation)</td>
<td>4</td>
<td>Harmful if inhaled.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>2</td>
<td>Causes skin irritation.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Eye damage/irritation</td>
<td>1</td>
<td>Causes serious eye damage.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sensitization (respiratory)</td>
<td>Not Classified</td>
<td>Not Applicable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sensitization (skin)</td>
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<td>Not Applicable</td>
<td></td>
<td></td>
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<tr>
<td>Germ toxicity</td>
<td>Not Classified</td>
<td>Not Applicable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not Classified</td>
<td>Not Applicable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Reproductive Toxicity</td>
<td>Not Classified</td>
<td>Not Applicable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specific target organ systemic toxicity (single exposure)</td>
<td>Not Classified</td>
<td>Not Applicable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Specific target organ systemic toxicity (repeated exposure)</td>
<td>Not Classified</td>
<td>Not Applicable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aspiration hazard</td>
<td>Not Classified</td>
<td>Not Applicable</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>96 hr LC50 fish, mg/l</th>
<th>48 hr EC50 crustacea, mg/l</th>
<th>ErC50 algae, mg/l</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc oxide - (1314-13-2)</td>
<td>1.10, Oncorhynchus mykiss</td>
<td>0.098, Daphnia magna</td>
<td>0.042 (72 hr), Pseudokirchneriella subcapitata</td>
</tr>
<tr>
<td>Barium sulfate - (7727-43-7)</td>
<td>59,000.00, Poecilia sphenops</td>
<td>32.00, Daphnia magna</td>
<td>Not Available</td>
</tr>
<tr>
<td>Xylenes (o-, m-, p- isomers) - (1330-20-7)</td>
<td>3.30, Oncorhynchus mykiss</td>
<td>8.50, Palaeomonetes pugio</td>
<td>100.00 (72 hr), Chlorococcales</td>
</tr>
<tr>
<td>Compound Description</td>
<td>45.00, Pimephales promelas</td>
<td>12.00, Daphnia magna</td>
<td>2.50 (72 hr), Skeletonema costatum</td>
</tr>
<tr>
<td>------------------------------------------------------------------</td>
<td>----------------------------</td>
<td>----------------------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td>Naphtha (petroleum), heavy aromatic - (64742-94-5)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>p-Chloro-a,a,a-trifluorotoluene - (98-56-6)</td>
<td>11.50, Lepomis macrochirus</td>
<td>3.68, Daphnia magna</td>
<td>Not Available</td>
</tr>
<tr>
<td>Zinc pyrithione - (13463-41-7)</td>
<td>0.0026, Pimephales promelas</td>
<td>0.0082, Daphnia magna</td>
<td>0.028 (96 hr), Selenastrum capricornutum</td>
</tr>
<tr>
<td>2-(P-CHLOROPHENYL)-3-CYANO-4-BROMO-5-TRIFLUOROMETHYL PYRROLE - (122454-29-9)</td>
<td>0.0013, Oncorhynchus mykiss</td>
<td>0.0015, Daphnia magna</td>
<td>Not Available</td>
</tr>
<tr>
<td>Titanium dioxide - (13463-67-7)</td>
<td>1.000.00, Fundulus heterocilus</td>
<td>5.50, Daphnia magna</td>
<td>5.83 (72 hr), Pseudokirchneriella subcapitata</td>
</tr>
<tr>
<td>Naphthalene - (91-20-3)</td>
<td>0.99, Oncorhynchus gorbuscha</td>
<td>1.60, Daphnia magna</td>
<td>68.21 (96 hr), Scenedesmus subspicatus</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability
No data available

12.3. Bioaccumulative potential
Not Measured

12.4. Mobility in soil
No data available

12.5. Results of PBT and vPvB assessment
This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects
No data available

13. Disposal considerations

13.1. Waste treatment methods
Do not allow spills to enter drains or watercourses.
Dispose of in accordance with local, state and federal regulations. (Also reference RCRA information in Section 15 if listed).

14. Transport information

14.1. UN number
UN 1263

14.2. UN proper shipping name
PAINT

14.3. Transport hazard class(es)

<table>
<thead>
<tr>
<th>DOT (Domestic Surface Transportation)</th>
<th>IMO / IMDG (Ocean Transportation)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT Proper Shipping Name</td>
<td>IMDG Proper Shipping Name</td>
</tr>
<tr>
<td>DOT Hazard Class</td>
<td>IMDG Hazard Class Sub Class</td>
</tr>
<tr>
<td>UN / NA Number</td>
<td>IMDG Packing Group System Reference Code</td>
</tr>
<tr>
<td>DOT Packing Group</td>
<td>III</td>
</tr>
<tr>
<td>CERCLA/DOT RQ</td>
<td>83 gal. / 1099 lbs.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

14.4. Packing group
III

14.5. Environmental hazards
IMDG Marine Pollutant: Yes (Zinc pyrithione)

14.6. Special precautions for user
Not Applicable

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not Applicable
Regulatory Overview
The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. All ingredients of this product are listed on the TSCA (Toxic Substance Control Act) Inventory or are not required to be listed on the TSCA Inventory.

WHMIS Classification B2 D2B E

DOT Marine Pollutants (10%): (No Product Ingredients Listed)
DOT Severe Marine Pollutants (1%): (No Product Ingredients Listed)

EPCRA 311/312 Chemicals and RQs (>0.1%) :
Naphthalene (100 lb final RQ; 45.4 kg final RQ)
Xylenes (o-, m-, p- isomers) (100 lb final RQ; 45.4 kg final RQ)

EPCRA 302 Extremely Hazardous (>0.1%) :
(No Product Ingredients Listed)

EPCRA 313 Toxic Chemicals (>0.1%) :
1,2,4-Trimethyl benzene
Naphthalene
Xylenes (o-, m-, p- isomers)

Mass RTK Substances (>1%) :
Barium sulfate
Titanium dioxide
Xylenes (o-, m-, p- isomers)
Zinc oxide

Penn RTK Substances (>1%) :
Barium sulfate
Titanium dioxide
Xylenes (o-, m-, p- isomers)
Zinc oxide

Penn Special Hazardous Substances (>0.01%) :
(No Product Ingredients Listed)

RCRA Status:
(No Product Ingredients Listed)

N.J. RTK Substances (>1%) :
Barium sulfate
Titanium dioxide
Xylenes (o-, m-, p- isomers)
Zinc oxide

N.J. Special Hazardous Substances (>0.01%) :
2-Butoxyethanol
Naphthalene
Quartz
Silica, cristobalite
Xylenes (o-, m-, p- isomers)

N.J. Env. Hazardous Substances (>1%) :
1,2,4-Trimethyl benzene
Naphthalene
Xylenes (o-, m-, p- isomers)

Proposition 65 - Carcinogens (>0%):
Cadmium
Lead
Naphthalene
Quartz
Titanium dioxide

Proposition 65 - Female Repro Toxins (>0%):
Lead
The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H225 Highly flammable liquid and vapor.
H226 Flammable liquid and vapor.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H331 Toxic if inhaled.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H372 Causes damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

This is the first revision of this SDS format, changes from previous revision not applicable.

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