Product Use: Aerosol Rust Not applied by spray used as topcoat on variety of surfaces

HAZARD IDENTIFICATION

The product is classified as both Dangerous Goods and Hazardous Substance in accordance to SAFE WORK AUSTRALIA {HSIS} and GLOBALLY HARMONISED SYSTEM {GHS} criteria.

GHS requirements.
Classification of the substance or mixture
Flammable gas – (Category 1)
Specific Target Organ Toxicity – Repeated Exposure (Category 2)
Dermal, Inhalation and Eye Irritation – (Category 2)
Acute Toxicity – inhalation dermal, oral (Category 3)
Environment – Aquatic Organisms

DANGER

H 220: Extremely Flammable Aerosol
H 302 + H 312 + H 320 + H 332: Harmful if swallowed, in contact with the skin and if inhaled
H 373: May cause damage to organs (inhalation).
H 402 + H 413: Harmful to aquatic life and may cause long lasting harmful effects to aquatic life

PRECAUTIONARY REQUIREMENTS

General Requirements
P 102: Keep out of reach of children.
P 103: Read label before use.

Prevention
P 210: Keep away from heat sources, electrical discharges (sparks), naked (open) flames and ignition sources. NO SMOKING
P 233 + P 234 + P 410: Keep original containers tightly closed when not in use and stored in a well ventilated area away from heat and sunlight.
P 261: Avoid inhaling vapours and spray mists. Ensure there is adequate ventilation at all times.
P 264: Wash all exposed skin and hair with warm water and soap after use.
P 270: When using, do not eat, drink or smoke.
P 273: Avoid release to the environment including waterways, sewage and drains.
The following Risk and Safety Phrases have been allocated for this product in accordance with SAFE WORK Australia requirements. The AUSTRALIAN DANGEROUS CODE is included.

**Risk Phrases R**

12 Extremely Flammable Gas
20/21/22 Harmful by inhalation, with contact with the skin and if swallowed.
36/37/38 Irritating to eyes, respiratory system and skin.
48/20 Danger of serious damage of serious damage to health by prolonged exposure through ventilation.
52/53/59 Harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment. Dangerous for the ozone layer
65/66/67 Harmful: May cause lung damage if swallowed. Repeated or prolonged exposure may cause skin dryness and cracking. Vapours may cause headaches, drowsiness and dizziness.

**Safety Phrases S**

2 Keep out of reach of children.
7/9 Keep containers tightly closed when not in use and also in a well ventilated area.
15/16/33 Keep away from heat and sources of ignition. Take precautionary measures against static electricity.
20/21 When using, do not eat, drink or smoke.
23.5 Do not breathe the vapours or spray mist
24/25 Avoid skin contact and with the eyes.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
27 Take off immediately all contaminated clothing.
28.1 In contact with the skin, wash immediately soap and plenty of water.
36/37/38/39 Wear protective clothing, including enclosed footwear, PVC or Neoprene gloves, organic vapour/particulate respirator including eye, hair and face protection
45 In case of accident, or if you feel unwell, seek medical advice immediately. Show the label where possible.
62 If swallowed, do not induce vomiting: seek medical advice immediately. Show the label where possible.

**ADG Classification**

AEROSOLS – with a capacity less than 1 Litre, UN 1950, HAZCHEM 2 Y, Class 2,

**SUSDP**

Initial Emergency Response Guide 49.

**Classified as a Schedule S 5 poison.**

**IDENTIFICATION of the SUBSTANCE(S) and COMPOSITION**

<table>
<thead>
<tr>
<th>Product Name</th>
<th>AEROSOL – RUST NOT COLOUR RANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Name</strong></td>
<td>Code</td>
</tr>
<tr>
<td>Di Methyl Ether</td>
<td>115 – 10 – 6</td>
</tr>
<tr>
<td>Polymeric Synthetic Resins (Non – Hazardous)</td>
<td>Proprietary</td>
</tr>
<tr>
<td>Xylene</td>
<td>1330 – 20 – 7</td>
</tr>
<tr>
<td>Toluene</td>
<td>108 – 88 – 3</td>
</tr>
<tr>
<td>Ethyl Benzene</td>
<td>100 – 41 – 4</td>
</tr>
<tr>
<td>Encapsulated Pigments (Non – Hazardous)</td>
<td>Mixture</td>
</tr>
<tr>
<td>Additives (Non – Hazardous)</td>
<td>Mixture</td>
</tr>
</tbody>
</table>
FIRST AID MEASURES

Inhalation
If the applicator feels drowsy, dizzy, tired or experiencing headaches, remove the victim away from the contaminated area to the fresh air. Keep the victim warm and quiet until all symptoms subside. If the victim is not breathing, apply artificial respiration immediately away from the contaminated area.

Ingestion
Unlikely route of exposure. If swallow, and only if the person is conscious, give water to drink. **DO NOT** induced vomiting; seek URGENT medical attention if frothing from the mouth occurs.

Eyes
If splashed into eyes, hold eyelids apart, and flush the eyes continuously with running for at least 15 minutes. Continue flushing until advised by a doctor.

Skin and Hair
If skin and hair contact occurs, remove contaminated clothing, and wash thoroughly with soap and plenty of water. Continue flushing until advised by a doctor.

First Aid Facilities
Clean Water Supply, soap or skin cleaner, barrier cream, emergency showers and eye wash stations.

Advice to Doctor
If poisoning occurs, consult with the Poisons Information Centre {Telephone 13 11 26}. Have a copy of this material safety data sheet or label available. Treat symptomatically as symptoms may be delayed for several hours after exposure.

FIRE FIGHTING MEASURES

Extinguishing Media and Requirements
Carbon Dioxide \( \text{CO}_2 \), alcohol resistant foam, dry chemical or water spray. **DO NOT** use water jets. Bund area with sand to prevent run – off entering waterways, sewage and drains.

Hazardous Decomposition Products
On heating, containers may rupture and explode: contents may burn rapidly forming toxic gases including carbon monoxide, soot and smoke, above the boiling point.

Flammability
Highly Flammable Gas. Flash Point = - 41 °C

Specific Hazards
Vapours may form explosive/air mixtures.

Precautions in connection with Fire
Fire – fighters should wear Chemical Splash Suit with attached Self – Contained Breathing Apparatus and gloves. Evacuate all non fire–fighting personnel away from the area. Turn off all electricity and power supplies. Keep containers cool with water spray or water to prevent rupture or burning. Move away all packages and equipment from the direction of the fire, if safe to do so. Keep upwind.
ACCIDENTAL RELEASE MEASURES

Emergency Procedures.
Spills and Leaks

Contain all spills and leaks. Avoid contamination with spilt material on surfaces or entering waterways, drains and sewage. Remove all sources of ignition and NO SMOKING. Wear the recommended full body impervious clothing, gloves and breathing apparatus as per AS– NZ 1715/16. Keep upwind. Absorb all spilt contents onto sand or earth.

Disposal
Collect all residues into labelled and sealed containers for disposal via special waste collection services as per local Statutory Authority requirements.

Other Precautions
Ensure there is adequate ventilation at all times during the cleaning up period.

HANDLING and STORAGE

Precautions for Safe Handling

Highly Flammable Gas. Remove all sources of ignition. Wear the recommended Personal Protective Equipment including organic vapour respirator, eye/face protection, protective clothing, gloves and enclosed footwear. Ensure there is adequate ventilation at all times. After use, before eating, drinking or smoking, wash all exposed skin and hair with soap and water.

Conditions of Safe Storage

Containers must be clearly labelled, rigid and strong. Store upright in a cool, dry, well ventilated area from heat, ignition sources and direct sunlight e.g. Flammable Goods Store as per AS 1940 requirements.

EXPOSURE CONTROLS

Exposure Standards MAK
Di Methyl Ether = 760 mg/m³
Toluene = 190 mg/m³

Xylene = 350 mg/m³
Ethyl Benzene = 440 mg/m³

Exposure Standards STEL
Toluene = 565 mg/m³
Xylene = 655 mg/m³

Biological Limited Values
There are no known Biological Limited Values have been assigned.

Engineering Controls
The use of local exhaust ventilation equipment is required. All ventilation equipment must be fitted with flame and explosion proof electrical fittings. Do not use in a confined area.
PERSONAL PROTECTION

Inhalation
The wearing of Organic Vapour/Particulate Respirator should be worn at all times during the handling and application period.

Eye
The wearing of safety glasses fitted with side shields should be worn at all times during the handling and application period. Do not wear contact lenses.

Gloves
The wearing of Neoprene or PVC gloves should be worn at all times during the handling and application period.

Footwear
The wearing of enclosed footwear should be worn at all times during the handling and application period.

Clothing
The wearing of anti-static clothing made on natural or synthetic high temperature fibre should be worn at all times during the handling and application period.

Hearing
Not required.

Other
Avoid contact with eyes and skin. Avoid inhaling vapours and spray mists at all times.

PHYSICAL – CHEMICAL PROPERTIES

Appearance
A coloured gas with a strong odour.

pH
Not required.

Vapour Pressure
(Butyl Acetate = 1)
Greater than 1

Boiling Point °C
<-25 to 169 °C (literature value)

Density
0.87 (calculated value)

Solubility in water
Immiscible

Flash Point °C
-41 °C (literature value)

Flammability Limits
Lower Explosive Limit = 1.0
Upper Explosive Limit = 8.0

Volatile Organic Compounds VOC
64 % weight/volume

Auto Ignition °C
230 °C (literature value)

Volatile Components
Di Methyl Ether, Xylene, Toluene and Ethyl Benzene

STABILITY and REACTIVITY

Chemical Stability
Stable under normal conditions of use.

Conditions to avoid
Avoid contact with heat, all ignition sources and static electricity

Hazardous decomposition products
On heating, containers may rupture and explode: contents may burn rapidly forming toxic gases including carbon monoxide, soot and smoke.

Incompatible materials
Incompatible with strong oxidizing agents

Hazardous Reactions
Will not polymerize since the product is supplied as a polymeric coating.
TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Health Effects</th>
<th>Risk Phrase</th>
<th>Xylene</th>
<th>Ethyl Benzene</th>
<th>Toluene</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20 mg/m³</td>
</tr>
<tr>
<td>LC₅₀ Rat</td>
<td>mg/m³</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dermal</td>
<td>21</td>
<td>4500</td>
<td>2000</td>
<td>12100 mg/kgm</td>
</tr>
<tr>
<td>LD₅₀ rabbit</td>
<td>mg/kgm</td>
<td>mg/kgm</td>
<td>mg/kgm</td>
<td></td>
</tr>
<tr>
<td>Oral</td>
<td>22</td>
<td>4300</td>
<td>2000</td>
<td>640 mg/kgm</td>
</tr>
<tr>
<td>LD₅₀ rat</td>
<td>mg/kgm</td>
<td>mg/kgm</td>
<td>mg/kgm</td>
<td></td>
</tr>
</tbody>
</table>

Acute Oral Toxicity rat: Low toxicity. Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

Acute Dermal Toxicity rabbit: Low toxicity.

Acute Inhalation Toxicity rat: Low toxicity. High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea; continued inhalation may result in unconsciousness and/or death.

TOXICOLOGICAL INFORMATION (CONTINUED)

Health Effects
- Inhalation: The inhalation of vapours and may cause acute irritation to the respiratory system. Other symptoms may cause central nervous system depression resulting in headaches, dizziness, nausea, loss of co-ordination, impaired judgement. Vapours may cause headaches, drowsiness and dizziness.
- Ingestion: Large quantities may cause nausea and vomiting. Harmful. May cause lung damage if swallowed.
- Eyes: May irritate the eyes, including burning sensation, redness, swelling and/or blurred vision. Also, may cause decreased in colour perception.
- Skin: May have degreasing effect on the skin may result in contact dermatitis. Repeated or prolonged exposure may cause skin dryness and cracking.
- Reproductive Toxicity: No data available

ECOLOGICAL INFORMATION

Environment: Harmful to aquatic organisms (R 52)
May cause long – term adverse effects in the aquatic environment (R53).
Danger to the ozone layer (R 59)
Persistence/ Degradability: No data available.
Mobility: No data available
Environment Protection: Not Known

DISPOSAL CONSIDERATIONS

Collect all residues and placed into labelled and sealed containers. Do not incinerate empty aerosol containers after use. Dampen all unwanted cloths and rags in water prior to disposal. Do not recycle contents. Do no crush all small empty aerosol containers. Ensure all contents do not pollute waterways, drains and sewage.
TRANSPORT INFORMATION

UN number 1950
Proper Shipping Name AEROSOL – capacity less than 1 Litre
Class 2  Subsidiary Risk Not Required
Packing Group Not Assigned  Initial Emergency Response Guide
Emergency Procedures EP 3900  49
HAZCHEM 2 Y  Not Known
IMDG Not Known

REGULATORY INFORMATION

Regulatory Information and Hazard Category
The product is classified as a Hazardous Substance in accordance to SAFE WORK AUSTRALIA {HSIS} and Globally Harmonised System {GHS} as an irritant and harmful.
Classification
SUS 5 Poison.

OTHER INFORMATION

Emergency Contact Poisons Information Centre 13 11 26  HiChem Paint Technologies (03) 9796 3400
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21-3-18