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HAZARD IDENTIFICATION

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

Risk Phrases R
10 Flammable Liquid.
20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
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 Keep away from heat and sources of ignition.
20/21 When using, do not eat, drink or smoke.
23.3 Do not breathe the vapours.
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 respirator including eye, hair and face protection, and hearing 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
SUSDP Classified as a Schedule S 5 poison.

IDENTIFICATION of the SUBSTANCE(S) and COMPOSITION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>BRUSH CLEANER</th>
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</thead>
<tbody>
<tr>
<td>Product Use</td>
<td>Use as a brush cleaner for the removal of architectural paint on equipment.</td>
</tr>
<tr>
<td>Ingredients</td>
<td></td>
</tr>
<tr>
<td>Name</td>
<td>CAS Number</td>
</tr>
<tr>
<td>Mineral Turpentine</td>
<td>9005 – 90 – 7</td>
</tr>
<tr>
<td>Nonyl Phenol Ethoxylate</td>
<td>9016 – 45 – 9</td>
</tr>
<tr>
<td></td>
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</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
If swallowed, 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
Flammable Liquid. Flash Point = 34 °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.
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
Flammable Liquid. 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
Mineral Turpentine = 480 mg/m$^3$.

Exposure Standards STEL
No data available.

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.

PERSONAL PROTECTION

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

AS –NZS 1715/16
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
AS –NZS 2161
The wearing of Neoprene or PVC gloves should be worn at all times during the handling and application period.

Footwear
AS –NZS 2210
The wearing of enclosed footwear should be worn at all times during the handling and application period.

Clothing
AS –NZS 2919
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
AS –NZS 1270
Other Requirements
Avoid contact with eyes and skin. Avoid inhaling vapours.
PHYSICAL – CHEMICAL PROPERTIES

**Appearance**  A colourless liquid with a mild odour.

**pH**  Not required.

**Vapour Pressure**  Less than 1

**Boiling Point °C**  No data available

**Density**  0.84 {calculated value}

**Solubility in water**  Miscible

**Flash Point °C**  34 °C (literature value)

**Flammability Limits**  Lower Explosive Limit = 1.0

**Auto Ignition °C**  250 °C (literature value)

**Volatile Components**  Mineral Turpentine.

STABILITY and REACTIVITY

**Chemical Stability**  Stable under normal conditions of use.

**Conditions to avoid**  Avoid contact with heat and all ignition sources.

**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.

TOXICOLOGICAL INFORMATION

**Health Effects**

<table>
<thead>
<tr>
<th>Risk Phrase</th>
<th>Mineral Turpentine</th>
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<tbody>
<tr>
<td><strong>Inhalation</strong></td>
<td></td>
</tr>
<tr>
<td>LC50 rat</td>
<td>20 mgm/L.</td>
</tr>
<tr>
<td><strong>Dermal</strong></td>
<td></td>
</tr>
<tr>
<td>LD50 rabbit</td>
<td>2000 mgm/kg</td>
</tr>
<tr>
<td><strong>Oral</strong></td>
<td></td>
</tr>
<tr>
<td>LD50 rat</td>
<td>2000 mgm/kg</td>
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</tbody>
</table>

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

**Acute Dermal Toxicity**  Low toxicity.

**Acute Inhalation Toxicity**  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 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 to 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.

**Carcinogenic**
No evidence of a carcinogenic effect

**Mutagenic**
Not mutagenic in animal studies.

**Reproductive Toxicity**
No data available

ECOLOGICAL INFORMATION

**Environment**
Avoid of entering waterways, sewage and drains.

**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 containers after use. Dampen all unwanted cloths and rags in water prior to disposal. Do not recycle contents. Crush all small empty containers. Large containers and drums may be sent to an approved drum recycler. Ensure all contents do not pollute waterways, drains and sewage.

TRANSPORT INFORMATION

**UN number**
1263

**Proper Shipping Name**
PAINT RELATED MATERIAL, N.O.S., miscible in water.

**Class**
3

**Subsidiary Risk**
Not Required

**Packing Group**
III

**Emergency Procedures**
EP 3305

**HAZCHEM**
3[Y]

**IMDG**
Not Known
REGULATORY INFORMATION

The product is classified as a Hazardous Substance in accordance to SAFE WORK AUSTRALIA {HSIS} as Harmful and Irritant.

Classified as a Schedule S 5 Poison.

OTHER INFORMATION

Poisons Information Centre 13 11 26       HiChem Paint Technologies
(03) 9796 3400

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