IDENTIFICATION of the SUBSTANCE(S) and COMPOSITION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>HEATPROOF – COLOUR RANGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Product Use</td>
<td>Applied by spray onto metal surfaces that required a heat resistant coating.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ingredients</th>
<th>CAS Number</th>
<th>Proportion w/w</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xylene</td>
<td>1330 – 20 – 7</td>
<td>30 – 60 %</td>
</tr>
<tr>
<td>Toluene</td>
<td>108 – 88 – 3</td>
<td>30 – 60 %</td>
</tr>
<tr>
<td>Ethyl Benzene</td>
<td>100 – 41 – 4</td>
<td>1.0 – &lt;10 %</td>
</tr>
<tr>
<td>Ethyl Alcohol</td>
<td>64 – 17 – 5</td>
<td>10 – &lt;30 %</td>
</tr>
<tr>
<td>Coloured Pigments/Extenders (Non – Hazardous)</td>
<td>Mixture</td>
<td>1.0 – &lt;10 %</td>
</tr>
<tr>
<td>Polymeric Synthetic Resins (Non – Hazardous)</td>
<td>Proprietary</td>
<td>10 – &lt;30 %</td>
</tr>
<tr>
<td>Additives (Non – Hazardous)</td>
<td>Mixture</td>
<td>1.0 – &lt;10 %</td>
</tr>
</tbody>
</table>

HAZARD IDENTIFICATION

The product is classified as both Dangerous Goods and Hazardous Substance in accordance to ASCC

**Risk Phrases R**
11    Highly Flammable Liquid
21/22  Harmful in contact with the skin and if swallowed.
40    Limited evidence of a carcinogenic effect
48/20  Harmful: Danger of serious damage to health by prolonged exposure through inhalation.
36/38  Irritating to the eyes and skin.
51/53  Toxic to aquatic organisms and may cause long term adverse effects in the aquatic environment.
63    Causes foetotoxicity in animals at doses which are maternally toxic.
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    Keep away from heat.
16/33  Keep away from sources of ignition. Take precautionary measures against static electricity.
20/21  When using, do not eat, drink or smoke.
23.2   Do not breathe 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 The wearing of an Organic Vapour Respirator, Safety Glasses fitted with side – shields, Viton or PVC gloves, hearing protection, enclosed footwear, hair protection, high temperature and anti – static clothing.
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.
HAZARD IDENTIFICATION (continued)

The product is classified as both Dangerous Goods and Hazardous Substance in accordance to ASCC ADG Classification. The PAINT, immiscible in water, UN 1263, HAZCHEM 3XE, Class 3, Packing Group II.

SUSDP Classified as a Schedule S 6 poison.

FIRST AID MEASURES

Inhalation If the applicator feels drowsy, dizzy, tired or experiencing headaches, remove the victim to the fresh air. Keep the victim warm and quiet until all symptoms subside.

Ingestion If swallow, and only if the person is conscious, give clean water to drink. If any symptoms occur, DO NOT induce vomiting; seek URGENT medical attention if frothing from the mouth occurs.

Eyes If splashed into eyes, hold eyes open, irrigate copiously with clean water for at least 15 minutes. Seek immediate medical attention if any irritation occurs.

Skin and Hair If skin contact occurs, remove contaminated clothing, and wash thoroughly with soap and plenty of water. Seek medical attention if any irritation occurs.

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 systems 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 and drains.

Fire Fighting Procedures & Precautions Fire – fighters must 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 containers and equipment from the direction of the fire, if safe to do so. Keep upwind.

Flammability Hazardous Decomposition Products Highly Flammable Liquid. Flash Point = 4 °C On heating, containers may rupture and explode: contents may burn rapidly forming toxic gases including carbon monoxide.
ACCIDENTAL RELEASE MEASURES

**Spills and Leaks**
Contain all spills and leaks. Avoid contamination with spilt material on surfaces. 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**
Avoid contaminating waterways, drains, water courses and sewage.

HANDLING and STORAGE

**Handling**
Keep out of reach of children. Avoid unnecessary contact with the material. After use before eating, drinking or smoking wash all exposed skin with soap and water.

**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

<table>
<thead>
<tr>
<th>Exposure Standards</th>
<th>MAK</th>
<th>Ethyl Alcohol = 960 mg/m³</th>
<th>Ethyl Benzene = 440 mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene</td>
<td>190 mg/m³</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Xylene</td>
<td>350 mg/m³</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Exposure Standards STEL**

<table>
<thead>
<tr>
<th>Engineering Controls</th>
<th>Toluene = 565 mg/m³</th>
<th>Xylene = 655 mg/m³</th>
</tr>
</thead>
</table>

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 an Organic Vapour – Particulate Respirator must be worn at all times during handling and spray application period.

**Eye**
The wearing of safety glasses fitted with side shields must be worn during the handling and spray application period. Do not wear contact lenses.

**Gloves**
The wearing of Viton or PVC gloves must be worn during handling and spray application period.

**Footwear**
The wearing of enclosed footwear must be worn during the application period.

**Clothing**
The wearing of anti-static clothing made on natural or synthetic high temperature fibre must be worn during handling and spray application period.

**Hearing**
When applying by conventional spray, hearing protection must be during the spray application period.

**Other Requirements**
Avoid contact with eyes, skin and hair. The wearing of recommended Personal Protective Equipment as described including hair protection during handling and spray application period.
PHYSICAL – CHEMICAL PROPERTIES

Appearance  A coloured liquid with a strong odour.
pH Not required.
Vapour Pressure  Greater than 1.0
(Butyl Acetate = 1)
Boiling Point °C  78 – 145 °C {literature value}
Density  0.96 {calculated value}
Solubility in water  Immiscible
Flash Point °C  4 °C {literature value}
Flammability Limits
Auto Ignition °C  425 °C {literature value}
Volatile Components  Organic Solvents.

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.
Incompatible materials  Incompatible with strong oxidizing agents
Hazardous Reactions  Will not polymerize.

TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Health Effect</th>
<th>Risk Phrase</th>
<th>Xylene</th>
<th>Ethyl Benzene</th>
<th>Ethyl Alcohol</th>
<th>Toluene</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation LC50 rat</td>
<td>20</td>
<td>&gt;20 mgm/L</td>
<td>&gt;20 mgm/L</td>
<td>&gt;20 mgm/L</td>
<td>&gt;20 mgm/L</td>
</tr>
<tr>
<td>Dermal LD50 rabbit</td>
<td>21</td>
<td>&gt;2000mgm/kg</td>
<td>&gt;2000mgm/kg</td>
<td>&gt;2000mgm/kg</td>
<td>&gt;2000mgm/kg</td>
</tr>
<tr>
<td>Oral LD50 rat</td>
<td>22</td>
<td>&gt;2000mgm/kg</td>
<td>&gt;2000mgm/kg</td>
<td>&gt;2000mgm/kg</td>
<td>640 mgm/kg</td>
</tr>
</tbody>
</table>

Note
Risk phrases R20/21/22 has been assigned by the EEC Council Directive 67/548/EEC.
Risk Phrases R20/21/22 – Harmful by inhalation, skin contact or if swallowed.

Acute Oral Toxicity rat  Moderate 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 rabbit  Low toxicity. High concentrations may cause central nervous system depression resulting in headaches, dizziness, nausea, loss of co-ordination and impaired judgement: continued inhalation may result in unconsciousness and/or death.
OTHER TOXICOLOGICAL INFORMATION (continued)

Health Effects
Inhalation Other symptoms may cause dizziness, nausea, coughing, lack of co-ordination and impair judgement. Vapours may cause headaches, drowsiness and dizziness.
Ingestion Large quantities may cause nausea and vomiting. May cause lung damage if swallowed.
Eyes Irritating to the eyes, including burning sensation, redness, swelling and/or blurred vision.
Skin Will have degreasing effect on the skin may result in contact dermatitis. Repeated or prolonged exposure may cause skin dryness and cracking.
Carcinogenicity Limited evidence of a carcinogenic effect.
Mutagenicity Not mutagenic in animal studies
Reproductive Causes foetotoxicity in animals at doses which are maternally toxic. Does not impair fertility.

ECOLOGICAL INFORMATION

Environment Toxic to aquatic organisms (R51).
May cause long – term adverse effects in the aquatic environment (R53).

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 or spent containers. Crush all small empty containers. Larger containers and drums may be sent to an approved drum recycler. Ensure all contents do not pollute waterways, drains and other water courses.

TRANSPORT INFORMATION

UN number 1263
Proper Shipping Name PAINT, immiscible in water
Class 3
Packing Group II
Emergency Procedures 3300 Initial Emergency Response Guide 14
HAZCHEM 3[Y]E
IMDG Not Known

REGULATORY INFORMATION

SUSDP Classified as a Schedule S 6 poison.
OTHER INFORMATION

Emergency Contact

Poisons Information Centre 13 11 26

HiChem Paint Technologies

(03) 9796 3400

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