IDENTIFICATION of the SUBSTANCE(S) and COMPOSITION

<table>
<thead>
<tr>
<th>Product Name</th>
<th>GMH FLAT BLACK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Codes</td>
<td>GMH1, GMH4, GMH20</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Product Use</th>
<th>A single pack lacquer applied by spray for automotive surfaces.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingredients</td>
<td>Name</td>
</tr>
<tr>
<td></td>
<td>Solvent Naphtha (Petroleum) light aromatic</td>
</tr>
<tr>
<td></td>
<td>Xylene</td>
</tr>
<tr>
<td></td>
<td>Ethyl Benzene</td>
</tr>
<tr>
<td></td>
<td>Encapsulated Crystalline Silicon Dioxide</td>
</tr>
<tr>
<td></td>
<td>Coloured Pigments/Extenders (non-hazardous)</td>
</tr>
<tr>
<td></td>
<td>Synthetic Resins (non-hazardous)</td>
</tr>
<tr>
<td></td>
<td>Aliphatic Alcohols</td>
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<tr>
<td></td>
<td>Aliphatic Esters</td>
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<tr>
<td></td>
<td>Aliphatic Ketones</td>
</tr>
<tr>
<td></td>
<td>Additives (Non – Hazardous)</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.
36/37/38 Irritating to the eyes, respiratory system and skin.
40 Limited evidence of a carcinogenic effect
48/20 Harmful: danger to serious damage to health by prolonged exposure through inhalation.
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 The wearing of an Organic Vapour – Particulate Respirator, Safety Glasses fitted with side – shields, Viton or PVC gloves, enclosed footwear, 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. PAINT, immiscible in water, UN 1263, HAZCHEM 3[Y]E, Class 3, Packing Group II, Initial Emergency Response Guide 14.

SUSDP Classified as a Schedule S 5 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 swallowed, 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**
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**
Highly Flammable Liquid. Flash Point = - 4 °C

**Hazardous Decomposition Products**
On heating, containers may rupture and explode; contents may burn rapidly forming toxic gases including carbon monoxide and oxides of nitrogen.
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

Exposure Standards MAK
Ethyl Benzene = 440 mg/m³.
Xylene = 350 mg/m³.
Crystalline Silicon Dioxide (as dust) = 0.1 mg/m³.
Solvent Naphtha (petroleum) light aromatic = 100 mg/m³.
Xylene = 655 mg/m³.

Exposure Standards STEL

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 AS –NZS 1715/16
The wearing of an Organic Vapour – Particulate Respirator must be worn at all times.

Eye AS –NZS 1337
The wearing of safety glasses fitted with side shields must be worn at all times. Do not wear contact lenses.

Gloves AS –NZS 2161
The wearing of Viton or PVC gloves must be worn at all times.

Footwear AS –NZS 2210
The wearing of enclosed footwear must be worn at all times.

Clothing AS –NZS 2919
The wearing of anti–static clothing made on natural or synthetic high temperature fibre must be worn at all times.

Hearing AS –NZS 1270
The wearing of hearing protection when applying by conventional spray must be worn during the spraying application period

Other Requirements
Avoid contact with eyes and skin. Avoid inhaling vapours at all times.
PHYSICAL – CHEMICAL PROPERTIES

**Appearance**
A coloured liquid with a strong odour.

**pH**
Not required.

**Vapour Pressure**
(Butyl Acetate = 1)
Greater than 1.0

**Boiling Point °C**
56 – 145 °C {literature value}

**Density**
0.83 {calculated value}

**Solubility in water**
Immiscible

**Flash Point °C**
< - 20 °C {literature value}

**Flammability**
Lower Explosive Limit = 1.0 %
Upper Explosive Limit = 15.0 %

**Auto Ignition °C**
160 °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

**Health Effects**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Risk Phrase</th>
<th>Xylene</th>
<th>Ethyl Benzene</th>
<th>Solvent Naphtha (petroleum) light aromatic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Inhalation LC$_{50}$ rat</td>
<td>20</td>
<td>&gt;20 mgm/L</td>
<td>&gt;20 mgm/L</td>
<td>&gt;20 mgm/L</td>
</tr>
<tr>
<td>Dermal LD$_{50}$ rabbit</td>
<td>21</td>
<td>4500mgm/kg</td>
<td>&gt;2000mgm/kg</td>
<td>&gt;2000mgm/kg</td>
</tr>
<tr>
<td>Oral LD$_{50}$ rat</td>
<td>22</td>
<td>4300mgm/kg</td>
<td>&gt;2000mgm/kg</td>
<td>&gt;2000mgm/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: Low toxicity. Aspiration into lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.
- Low toxicity

**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.
Ingestion Large quantities may cause nausea and vomiting.
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.
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 |
| Subsidiary Risk | Not Required |
| Packing Group | II |
| Emergency Procedures | 3300 |
| Initial Emergency Response Guide | 14 |
| HAZCHEM | 3|E |
| IMDG | Not Known |

REGULATORY INFORMATION

SUSDP Classified as a Schedule S 5 poison.
OTHER INFORMATION

Emergency Contact

Poisons Information Centre 13 11 26

HiChem Paint Technologies
(03) 9796 3400

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