Material Safety Data Sheet
TRADE GLOSS ENAMEL

COMPANY DETAILS

Company Name: PPG Industries – Prominent Paints (Pty) Ltd
Address: 11 Dan Jacobs Street, Alrode, Alberton, Gauteng
Tel: 011 389 4649 / 0861 776 646  Fax: 011 389 4783
Emergency telephone no.: Spill Emergency: 0800 17 07 43 (Rapid Spill Response)
                                  Health Emergency: 0800 33 3444 (Poison Control centre)
                                  DG Advisor: 082 3779430
MSDS Prepared by: Johan Batist and Shaleen Olivier

1. PRODUCT AND COMPANY IDENTIFICATION:

Trade name: TRADE GLOSS ENAMEL
Product Use: Painting
Common Name: TRADE GLOSS ENAMEL
Chemical family: SOLVENT BASED ENAMELS  Chemical name: N/A
Synonyms: N/A  CAS No.: N/A
UN no.: 1263  Proper Shipping Name: Paint and Paint Related Materials
Hazard Class: 3  Packing Group: III

2. PRODUCT COMPOSITION:

EEC classification: Flammable. Harmful if Swallowed/ Irritating to skin and eyes/
Hazardous component: Mixture - White Spirits>10%; Benzene <0.1%

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS #</th>
<th>Concentration</th>
<th>Risk Phrase</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synthetic resin</td>
<td>N/A</td>
<td>30-70%</td>
<td>R10,18,36,37,38</td>
</tr>
<tr>
<td>Pigments</td>
<td>N/A</td>
<td>10-20%</td>
<td>R20/21/22</td>
</tr>
<tr>
<td>Heavy Aliphatic Solvent</td>
<td>N/A</td>
<td>N/A</td>
<td>R10,R65,</td>
</tr>
<tr>
<td>Medium Aliphatic Aromatic Solvent</td>
<td>64742-88-7</td>
<td>5-20%</td>
<td>R10,R65,R20/22, R36/38</td>
</tr>
<tr>
<td>Ingredients determined not to be hazardous</td>
<td></td>
<td>to 100%</td>
<td></td>
</tr>
</tbody>
</table>
3. HAZARDS IDENTIFICATION:

SAPMA HEALTH RATING: 2H can enter body, and can produce toxic effect.
Skin: Irritating, risk of dermatitis.
Eyes: Irritating.
Ingestion: Irritating and nauseating.
No carcinogenic, mutagenic or genetic effects established
NFPA: Health 1: Flammability: 1 Reactivity: 1

4. FIRST-AID MEASURES

Inhalation:
Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing.
Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered.
If patient finds breathing difficult and develops a bluish discolouration of the skin (which suggests a lack of oxygen in the blood - cyanosis), ensure airways are clear of any obstruction and have a qualified person give oxygen through a face mask.
Apply artificial respiration if patient is not breathing. Seek immediate medical advice.

Skin Contact:
If skin or hair contact occurs, immediately remove any contaminated clothing and wash skin and hair thoroughly with running water.
If swelling, redness, blistering or irritation occurs seek medical assistance.

Eye Contact:
If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Ingestion:
If swallowed, do NOT induce vomiting. Give a glass of water. Get to a doctor or hospital quickly.
Medical attention and special treatment: Treat symptomatically./Contact control poison centre

5. FIRE-FIGHTING MEASURES

Hazards from combustion products:
Flammable liquid. On burning will emit toxic fumes.
Precautions for fire fighters and special protective equipment:
Keep containers cool with water spray. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.
Suitable Extinguishing Media:
Alcohol resistant foam is the preferred firefighting medium but, if it is not available, normal protein foam can be used.
6. ACCIDENTAL RELEASE MEASURES

Emergency procedures:
If contamination of sewers or waterways has occurred advise local emergency services.

Methods and materials for containment and clean up:
SMALL SPILLS: Collect in a container for disposal via special chemical waste collection.
LARGE SPILLS: Shut off all possible sources of ignition. Wear protective equipment to prevent skin and eye contact. Avoid breathing in vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). Collect and seal in properly labelled containers or drums for disposal.

7. HANDLING AND STORAGE

Conditions for safe storage:
Store in a well ventilated area away from foodstuffs, oxidising agents and sources of heat or ignition. Keep containers closed when not in use - check regularly for leaks.

Precautions for safe handling:
Keep out of reach of children. Avoid skin and eye contact and breathing in vapour. All potential sources of ignition (open flames, pilot lights, furnaces, spark producing switches and electrical equipment etc) must be eliminated both in and near the work area.
Do not smoke. Vapour may travel a considerable distance to source of ignition and flash back.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

Occupational exposure limits:
PPE: Eye protection and Gloves
Inhalation: Move to fresh air
Skin: Use barrier cream and impervious gloves.
Eyes: Use goggles. Avoid direct contact.
Ingestion: Observe the rules for hygiene. Wash hands before eating, drinking or smoking.

OEL Type: Mix-Mixture-See section 2

<table>
<thead>
<tr>
<th></th>
<th>PEL</th>
<th>TWA</th>
<th>TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>White Spirits</td>
<td>&gt;10%</td>
<td>100ppm RL</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Benzene</td>
<td>&lt; 0.1%</td>
<td>5pp CL</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Solvent</td>
<td>&gt;5%</td>
<td>20ppm – 600ppm</td>
<td>Not Determined</td>
</tr>
</tbody>
</table>

PEL= Permissible Exposure Limits
TWA= Time Weighted Average (8 hr.)

Engineering controls:
Provide adequate ventilation. If using indoors, keep windows and doors open during use. Keep containers closed when not in use.

Personal Protective Equipment:
The selection of PPE is dependant on a detailed risk assessment. The risk assessment should consider the work situation, the physical form of the chemical, the handling methods, and environmental factors.

Personal Protection: G - OVERALLS, SAFETY SHOES, SAFETY GLASSES, GLOVES, RESPIRATOR.
9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Auto flammability:</th>
<th>Colour and Appearance:</th>
<th>Explosive properties:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liquid</td>
<td>Not Determined</td>
<td>Pigmented</td>
<td>Not Determined</td>
</tr>
<tr>
<td>Odour:</td>
<td>Characteristic odour</td>
<td></td>
<td>Not Determined</td>
</tr>
<tr>
<td>pH:</td>
<td>N/A</td>
<td></td>
<td>Not determined</td>
</tr>
<tr>
<td>Boiling point:</td>
<td>Not available</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Melting point:</td>
<td>Not Determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flash point:</td>
<td>&gt;38deg C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Flammability:</td>
<td>Flammable</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Chemical stability: Stable under normal conditions of use.
Conditions to avoid: Avoid contact with foodstuffs. Avoid exposure to heat, sources of ignition, and open flame. Avoid contact with oxidising agents.
Incompatible materials: Incompatible with oxidising agents.
Hazardous decomposition products: Oxides of carbon.
Hazardous reactions: Reacts with Oxidisers

11. TOXICOLOGICAL INFORMATION

Chronic Effects on Humans: No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation. Ingestion.

Oral rat LD50: 375 mg/kg; irritation skin rabbit: 500 mg/24H mild; eye rabbit 250 ug/24H severe; investigated as a reproductive effector.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Avoid contaminating waterways. May cause undesirable effects to aquatic organisms.
13. DISPOSAL CONSIDERATIONS

Disposal methods:
For large quantities: Refer to Waste Management Authority. Advise flammable nature. Dispose of material through a licensed waste contractor. Normally suitable for incineration by an approved agent.
For small quantities: Do not pour leftover paint down the drain. Unwanted paint should be brushed out on newspaper, allowed to dry and then disposed of via domestic waste collection. Empty paint containers should be left open in a well ventilated area to dry out. When dry recycle the container via steel can recycling programs. Disposal of empty paint containers via domestic recycling programs may differ between local authorities. Check with your local council first.

14. TRANSPORT INFORMATION

Road and Rail Transport
Classified as Dangerous Goods Road and Rail; DANGEROUS GOODS.

UN No: 1263
Class-primary: 3 - Flammable Liquid
Packing Group: III
Proper Shipping Name: PAINT AND PAINT RELATED MATERIALS
Hazchem Code: 3Y

Marine Transport
Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea; DANGEROUS GOODS.

UN No: 1263
Class-primary: 3 Flammable Liquid
Packing Group: III
Proper Shipping Name: PAINT AND PAINT RELATED MATERIALS

Air Transport
Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air; DANGEROUS GOODS.

UN No: 1263
Packing Group: III
Proper Shipping Name: PAINT AND PAINT RELATED MATERIALS
15. REGULATORY INFORMATION.

R10 – Flammable
R20/22 – Harmful by inhalation and if swallowed
R36/37/38 – Irritating to eyes, skin and respiratory system
R65 – Harmful: May cause lung damage if swallowed
S36/37 – Wear suitable protective clothing and gloves.
S56 - Do not discharge into drains or the environment; dispose to an authorised waste collection point
S59 - Refer to manufacturer/supplier for information on recovery/recycling

16. OTHER INFORMATION

IN CASE OF ANY DISCOMFORT ALWAYS SEEK MEDICAL ADVICE.

This MSDS conforms with General Administrative Regulations of 6 Sept.1996 (ISO-11014/ANSIZ400.1.1996)
OELs derived from OHS Act Regulations for Dangerous Chemical Substances of 25 Aug.1995 (EH-42)
All information is given in good faith but without guarantee in respect of accuracy.
No responsibility is accepted for errors or omissions or the consequences thereof.