1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME Polyurethane Clear Gloss Aerosol
PRODUCT NO. AE0140001E8
APPLICATION Intended for use as a spray applied coating for various substrates.
SUPPLIER Rust-oleum Corporation
Portobello Industrial Estate
Birtley
County Durham
DH3 2RE
+44 (0)191 4106611
+44 (0)1914920125
CONTACT PERSON ian.mccormack@tor-coatings.com

2 HAZARDS IDENTIFICATION

Extremely flammable. Repeated exposure may cause skin dryness or cracking. Vapours may cause drowsiness and dizziness. Irritating to eyes. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

ENVIRONMENT
The product is not expected to be hazardous to the environment.

PHYSICAL AND CHEMICAL HAZARDS
The product is highly flammable, and explosive vapours/air mixtures may be formed even at normal room temperatures.

HUMAN HEALTH
In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea. Risk of serious damage to eyes. Vapours/aerosol spray may irritate the respiratory system. Repeated exposure may cause skin dryness or cracking.

3 COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Name</th>
<th>EC No.</th>
<th>CAS-No.</th>
<th>Content</th>
<th>Classification</th>
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<tbody>
<tr>
<td>ACETONE</td>
<td>200-662-2</td>
<td>67-64-1</td>
<td>10-30%</td>
<td>F;R11 Xi;R36 R66 R67</td>
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<tr>
<td>White Spirit</td>
<td>265-185-4</td>
<td>64742-82-1</td>
<td>10-30%</td>
<td>Xn;R65. N;R51/53. R10,R66.</td>
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<tr>
<td>BUTANE</td>
<td>203-448-7</td>
<td>106-97-8</td>
<td>10-30%</td>
<td>F+;R12</td>
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<tr>
<td>XYLENE</td>
<td>215-535-7</td>
<td>1330-20-7</td>
<td>5-10%</td>
<td>R10 Xn;R20/21 Xi;R38</td>
</tr>
<tr>
<td>ISOBUTANE</td>
<td>200-857-2</td>
<td>75-28-5</td>
<td>5-10%</td>
<td>F+;R12</td>
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<tr>
<td>Solvent Naphtha Light Aromatic</td>
<td>265-199-0</td>
<td>64742-95-6</td>
<td>5-10%</td>
<td>Xn;R65. Xi;R37 N;R51/53 R66.</td>
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<tr>
<td>1,2,4-TRIMETHYLBENZENE</td>
<td>202-436-9</td>
<td>95-63-6</td>
<td>1-5%</td>
<td>R10 Xn;R20 Xi;R36/37/38 N;R51/53</td>
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<tr>
<td>MESITYLENE</td>
<td>203-604-4</td>
<td>108-67-8</td>
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<td>R10 Xn;R37 N;R51/53</td>
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<tr>
<td>Naptha (Petroleum) Hydrotreated Heavy</td>
<td>265-150-3</td>
<td>64742-48-9</td>
<td>&lt; 1%</td>
<td>Xn;R65. R10,R67,R52.</td>
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<td>ETHYL Benzene</td>
<td>202-849-4</td>
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<td>F;R11 Xn;R20</td>
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<td>CUMENE</td>
<td>202-704-5</td>
<td>98-82-8</td>
<td>&lt; 1%</td>
<td>R10 Xn;R65 Xi;R37 N;R51/53</td>
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</tbody>
</table>

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

GENERAL INFORMATION
General first aid, rest, warmth and fresh air. Do not give victim anything to drink if they are unconscious. Get medical attention if any discomfort continues.

INHALATION
Place unconscious person on the side in the recovery position and ensure breathing. If respiratory problems, artificial respiration/oxygen. Get medical attention if any discomfort continues.

INGESTION
Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and take these instructions.
Polyurethane Clear Gloss Aerosol

SKIN CONTACT
Use appropriate hand lotion to prevent defatting and cracking of skin. Immediately remove contaminated clothing. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water.

EYE CONTACT
Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention promptly if symptoms occur after washing.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA
Fire can be extinguished using: Water spray, fog or mist. Foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc. Do not use water jet as an extinguisher, as this will spread the fire.

SPECIAL FIRE FIGHTING PROCEDURES
Use pressurised air mask if product is involved in a fire. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.

UNUSUAL FIRE & EXPLOSION HAZARDS
Aerosol cans may explode in a fire. If heated, volume and pressure increases strongly, resulting in explosion of container.

SPECIFIC HAZARDS
Containers can burst violently when heated, due to excess pressure build-up.

PROTECTIVE MEASURES IN FIRE
Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS
Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS
Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.

SPILL CLEAN UP METHODS
Keep combustibles away from spilled material. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS
Static electricity and formation of sparks must be prevented. Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Vapours are heavier than air and may spread near ground to sources of ignition.

STORAGE PRECAUTIONS
Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Avoid contact with oxidising agents.

STORAGE CLASS
Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION
Polyurethane Clear Gloss Aerosol

<table>
<thead>
<tr>
<th>Name</th>
<th>Std</th>
<th>TWA - 8 hrs</th>
<th>STEL - 15 min</th>
<th>Notes</th>
</tr>
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<tbody>
<tr>
<td>ACETONE</td>
<td>WEL</td>
<td>500 ppm</td>
<td>1210 mg/m³</td>
<td>1500 ppm</td>
</tr>
<tr>
<td>BUTANE</td>
<td>WEL</td>
<td>600 ppm</td>
<td>1450 mg/m³</td>
<td>750 ppm</td>
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<tr>
<td>CUMENE</td>
<td>WEL</td>
<td>25 ppm(Sk)</td>
<td>125 mg/m³(Sk)</td>
<td>50 ppm(Sk)</td>
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<tr>
<td>ETHYL BENZENE</td>
<td>WEL</td>
<td>100 ppm(Sk)</td>
<td>441 mg/m³(Sk)</td>
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<td>ISOBUTANE</td>
<td>WEL</td>
<td>600 ppm</td>
<td>750 ppm</td>
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<tr>
<td>Naphtha (Petroleum) Hydrotreated Heavy</td>
<td>OES</td>
<td>1000 mg/m³</td>
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<td></td>
</tr>
<tr>
<td>White Spirit</td>
<td>OES</td>
<td>600 mg/m³</td>
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</tr>
<tr>
<td>XYLENE</td>
<td>WEL</td>
<td>50 ppm(Sk)</td>
<td>220 mg/m³(Sk)</td>
<td>100 ppm(Sk)</td>
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</table>

WEL = Workplace Exposure Limit.

PROTECTIVE EQUIPMENT

PROCESS CONDITIONS
Provide eyewash station.

ENGINEERING MEASURES
Provide adequate ventilation, including appropriate local extraction, to ensure that the defined workplace exposure limit is not exceeded. All handling to take place in well-ventilated area.

RESPIRATORY EQUIPMENT
Provide adequate ventilation. Observe Workplace Exposure Limits and minimise the risk of inhalation of vapours. At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used. Wear mask supplied with: Gas cartridge suitable for organic substances.

HAND PROTECTION
For prolonged or repeated skin contact use suitable protective gloves. Use protective gloves made of: Neoprene. Nitrile. Rubber (natural, latex).

EYE PROTECTION
Wear splash-proof eye goggles to prevent any possibility of eye contact.

OTHER PROTECTION
Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES
DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE
Aerosol

COLOUR
Colourless to pale yellow

ODOUR
Characteristic

SOLUBILITY
Slightly soluble in water.

RELATIVE DENSITY
0.71

VAPOUR DENSITY (air=1) Heavier than air

FLASH POINT (°C)
< -17 CC (Closed cup).

FLAMMABILITY LIMIT - LOWER(%) 0.8

FLAMMABILITY LIMIT - UPPER(%) 13

VOLATILE ORGANIC COMPOUND (VOC) 650 g/litre

10 STABILITY AND REACTIVITY

STABILITY
No particular stability concerns.

CONDITIONS TO AVOID
Avoid heat, flames and other sources of ignition. Avoid contact with strong oxidisers.
Polyurethane Clear Gloss Aerosol

HAZARDOUS DECOMPOSITION PRODUCTS
Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

11 TOXICOLOGICAL INFORMATION

GENERAL INFORMATION
Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

INHALATION
In high concentrations, vapours may irritate throat and respiratory system and cause coughing. In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea.

INGESTION
Gastrointestinal symptoms, including upset stomach.

SKIN CONTACT
Acts as a defatting agent on skin. May cause cracking of skin, and eczema. Irritating to skin.

EYE CONTACT
Irritation of eyes and mucous membranes.

<table>
<thead>
<tr>
<th>Name</th>
<th>White Spirit</th>
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<tbody>
<tr>
<td>Toxic Dose 1 - LD 50</td>
<td>&gt;5000 mg/kg (oral rat)</td>
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12 ECOLOGICAL INFORMATION

ECOTOXICITY
The product is not expected to be hazardous to the environment.

Mobility
The product is immiscible with water and will spread on the water surface.

Bioaccumulation potential
The product contains potentially bioaccumulating substances.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION
Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

DISPOSAL METHODS
Dispose of waste and residues in accordance with local authority requirements. Make sure containers are empty before discarding (explosion risk). Absorb in vermiculite or dry sand, dispose in licensed hazardous waste.

14 TRANSPORT INFORMATION

UK ROAD CLASS: 2
PROPER SHIPPING NAME: AEROSOLS

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<thead>
<tr>
<th>UN NO. ROAD</th>
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<th>UN NO. SEA</th>
<th>IMDT PAGE NO.</th>
<th>SMS</th>
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<td>F-D, S-U</td>
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<td>1950</td>
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<tr>
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<td></td>
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<td>AIR PACK GR.</td>
<td>N/A</td>
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</tbody>
</table>
Polyurethane Clear Gloss Aerosol

15 REGULATORY INFORMATION

LABELLING

Irritant

Extremely Flammable

RISK PHRASES

R12 Extremely flammable.
R36 Irritating to eyes.
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

SAFETY PHRASES

S2 Keep out of the reach of children
S9 Keep container in a well-ventilated place.
S16 Keep away from sources of ignition - No smoking.
S23 Do not breathe vapour/spray.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S51 Use only in well-ventilated areas.
T1 Special Precautions should be taken during the surface preparation of pre 1960's paint surfaces over wood and metal as they may contain harmful lead. When dry-sanding, avoid dust inhalation by wearing a suitable protective face mask. For further information contact our Technical Services Department
A1 Pressurised container; protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
A2 Do not spray on a naked flame or any incandescent material.

UK REGULATORY REFERENCES

Highly Flammable Liquid Regulations 1972.
EU DIRECTIVES
System of specific information relating to Dangerous Preparations. 2001/58/EC. Dangerous Preparations Directive 1999/45/EC.
APPROVED CODE OF PRACTICE
Safety Data Sheets for Substances and Preparations. Classification and Labelling of Substances and Preparations Dangerous for Supply.
NATIONAL REGULATIONS

16 OTHER INFORMATION

INFORMATION SOURCES
Croner's Emergency Spillage Guide Croner's Emergency First Aid Guide Croner's Substances Hazardous to Health

REVISION COMMENTS
This is first issue.

ISSUED BY
I McCormack

REVISION DATE 20/02/2009
REV. NO./REPL. SDS GENERATED 2
Polyurethane Clear Gloss Aerosol

RISK PHRASES IN FULL

R10 Flammable.
R11 Highly flammable.
R12 Extremely flammable.
R20 Harmful by inhalation.
R20/21 Harmful by inhalation and in contact with skin.
R36 Irritating to eyes.
R36/37/38 Irritating to eyes, respiratory system and skin.
R37 Irritating to respiratory system.
R38 Irritating to skin.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R52 Harmful to aquatic organisms.
R65 Harmful: may cause lung damage if swallowed.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

DISCLAIMER

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.