



SAFETY DATA SHEET (AEROSOL) UNDERSEAL

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

| | |
|---------------------|---|
| PRODUCT NAME | (AEROSOL) UNDERSEAL |
| PRODUCT NO. | A58 |
| APPLICATION | paint and underseal |
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2 HAZARDS IDENTIFICATION

Extremely flammable. Limited evidence of a carcinogenic effect. Harmful by inhalation and in contact with skin. Repeated exposure may cause skin dryness or cracking.

CLASSIFICATION Xn;R20/21. Carc 3;R40. F+;R12. R66.

3 COMPOSITION/INFORMATION ON INGREDIENTS

| Name | EC No. | CAS-No. | Content | Classification |
|--------------|-----------|------------|---------|------------------------|
| ACETONE | 200-662-2 | 67-64-1 | 10-30% | F;R11 Xi;R36 R66 R67 |
| BITUMEN | 232-490-9 | 8052-42-4 | 5-10% | Xn;R20/22. Carc 3;R40. |
| BUTANE | 203-448-7 | 106-97-8 | 10-30% | F+;R12 |
| PROPANE | 200-827-9 | 74-98-6 | 10-30% | F+;R12 |
| WHITE SPIRIT | 265-150-3 | 64742-48-9 | 5-10% | Xn;R65. R10,R66. |
| XYLENE | 215-535-7 | 1330-20-7 | 10-30% | R10 Xn;R20/21 Xi;R38 |

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

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INGESTION

DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Drink plenty of water. Get medical attention if any discomfort continues.

SKIN CONTACT

Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

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. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

(AEROSOL) UNDERSEAL**EXTINGUISHING MEDIA**

Use: Powder. Dry chemicals, sand, dolomite etc. Water spray, fog or mist.

SPECIAL FIRE FIGHTING PROCEDURES

Containers close to fire should be removed or cooled with water. Use water to keep fire exposed containers cool and disperse vapours. Be aware of danger of explosion.

UNUSUAL FIRE & EXPLOSION HAZARDS

Aerosol cans may explode in a fire. **HIGHLY FLAMMABLE!**

SPECIFIC HAZARDS

Aerosol containers can explode when heated, due to excessive pressure build-up. Fire creates: Carbon dioxide (CO₂). Carbon monoxide (CO). Nitrous gases (NO_x).

6 ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS**

For personal protection, see section 8.

ENVIRONMENTAL PRECAUTIONS

Do not discharge into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS

Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers.

7 HANDLING AND STORAGE**USAGE PRECAUTIONS**

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. Read and follow manufacturer's recommendations. During application and drying, solvent vapours will be emitted. Eliminate all sources of ignition.

STORAGE PRECAUTIONS

Aerosol cans: Must not be exposed to direct sunlight or temperatures above 50°C. Keep away from heat, sparks and open flame.

Pressurised container: Must not be exposed for temperatures above 50°C. Store in tightly closed original container in a dry and cool place.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

| Name | Std | LT - ppm | LT - mg/m ³ | ST - ppm | ST - mg/m ³ |
|--------------|-----|------------------------------|----------------------------|------------------------------|----------------------------|
| ACETONE | WEL | 500 ppm | 1210 mg/m ³ | 1500 ppm | 3620 mg/m ³ |
| BUTANE | WEL | 600 ppm | 1450 mg/m ³ | 750 ppm | 1810 mg/m ³ |
| PROPANE | | Asphyxiating Asphyxiating | Asphyxiating | Asphyxiating Asphyxiating | Asphyxiating |
| WHITE SPIRIT | WEL | | 1000 mg/m ³ | | |
| XYLENE | WEL | 50 ppm(Sk) | 220 mg/m ³ (Sk) | 100 ppm(Sk) | 441 mg/m ³ (Sk) |

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT**PROCESS CONDITIONS**

Provide eyewash station.

ENGINEERING MEASURES

Observe Workplace Exposure Limits and minimise the risk of inhalation of vapours.

RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided. Wear mask supplied with: Gas cartridge suitable for organic substances.

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HAND PROTECTION

Use protective gloves made of: Nitrile. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

EYE PROTECTION

Wear approved chemical safety goggles where eye exposure is reasonably probable.

OTHER PROTECTION

Wear appropriate clothing to prevent repeated or prolonged skin contact.

HYGIENE MEASURES

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

9 PHYSICAL AND CHEMICAL PROPERTIES

| | |
|---------------------------------|----------------|
| APPEARANCE | Aerosol Liquid |
| COLOUR | Black |
| ODOUR | Solvent. |
| VOLATILE ORGANIC COMPOUND (VOC) | 325 g/litre |

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions and recommended use. Avoid: Heat, sparks, flames. Shocks and physical damage.

CONDITIONS TO AVOID

Avoid heat, flames and other sources of ignition. Avoid contact with: Strong oxidising agents. Strong alkalis. Strong mineral acids.

MATERIALS TO AVOID

Strong alkalis. Strong oxidising substances.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire creates: Vapours/gases/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂). Nitrous gases (NO_x).

11 TOXICOLOGICAL INFORMATION

GENERAL INFORMATION

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

INHALATION

Harmful by inhalation. Harmful: possible risk of irreversible effects through inhalation. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

INGESTION

May cause discomfort if swallowed.

SKIN CONTACT

Harmful in contact with skin.

EYE CONTACT

Spray and vapour in the eyes may cause irritation and smarting.

HEALTH WARNINGS

Because of quantity and composition, the health hazard is small.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

No negative effects on the aquatic environment are known.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Empty aerosols should be recycled where facilities exist. Full or part full aerosols should be disposed of as hazardous waste in accordance with local authority requirements.

DISPOSAL METHODS

Empty containers must not be burned because of explosion hazard. Dispose of waste and residues in accordance with local authority requirements. Do not allow runoff to sewer, waterway or ground.

(AEROSOL) UNDERSEAL**14 TRANSPORT INFORMATION**

| | | | |
|----------------------|----------|------------------|-----------------------------|
| UK ROAD CLASS | 2.1 | | |
| PROPER SHIPPING NAME | AEROSOLS | | |
| UN NO. ROAD | 1950 | UK ROAD PACK GR. | # |
| ADR CLASS NO. | 2.1 | ADR CLASS | Class 2.1: Flammable gases. |
| ADR PACK GROUP | # | ADR LABEL NO. | 2.1 |
| CEFIC TEC(R) NO. | 20G5F | RID CLASS NO. | 2.1 |
| RID PACK GROUP | # | UN NO. SEA | 1950 |
| IMDG CLASS | 2.1 | IMDG PAGE NO. | 2.1 |
| IMDG PACK GR. | # | EMS | F-D, S-U |
| MARINE POLLUTANT | No. | UN NO. AIR | 1950 |
| AIR CLASS | 2.1 | AIR PACK GR. | # |

15 REGULATORY INFORMATION

LABELLING



Harmful



Extremely Flammable

CONTAINS

BITUMEN
XYLENE

RISK PHRASES

| | |
|--------|---|
| R12 | Extremely flammable. |
| R40 | Limited evidence of a carcinogenic effect. |
| R20/21 | Harmful by inhalation and in contact with skin. |
| R66 | Repeated exposure may cause skin dryness or cracking. |

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. |
| S51 | Use only in well-ventilated areas. |
| S36/37 | Wear suitable protective clothing and gloves. |
| S60 | This material and its container must be disposed of as hazardous waste. |

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations.

GUIDANCE NOTES

Workplace Exposure Limits EH40.

16 OTHER INFORMATION

GENERAL INFORMATION

Only trained personnel should use this material.

REVISION DATE 04/02/2008

(AEROSOL) UNDERSEAL

REV. NO./REPL. SDS GENERATED 1

RISK PHRASES IN FULL

| | |
|--------|---|
| R10 | Flammable. |
| R11 | Highly flammable. |
| R12 | Extremely flammable. |
| R20/21 | Harmful by inhalation and in contact with skin. |
| R20/22 | Harmful by inhalation and if swallowed. |
| R36 | Irritating to eyes. |
| R38 | Irritating to skin. |
| R40 | Limited evidence of a carcinogenic effect. |
| 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.