

SAFETY DATA SHEET

EASY COAT

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Issued: 25/01/2007

Revision No: 2

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

Product name: EASY COAT

Use / description of product: Aerosol.

Company name: Advanced Engineering Ltd

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: PROPANE 10-30%

EINECS: 200-827-9 CAS: 74-98-6

[F+] R12

- BUTANE 1-10%

EINECS: 203-448-7 CAS: 106-97-8

[F+] R12

- TOLUENE 30-50%

EINECS: 203-625-9 CAS: 108-88-3

[F] R11; [Xi] R38; [Xn] R48/20; [Xn] R63; [Xn] R65; [-] R67

3. HAZARDS IDENTIFICATION

Main hazards: Extremely flammable. Irritating to skin. Harmful: danger of serious damage to health by prolonged exposure through inhalation. Harmful: may cause lung damage if swallowed. Possible risk of harm to the unborn child. Vapours may cause drowsiness and dizziness.

Other hazards: Heating may cause an explosion.

4. FIRST AID MEASURES (SYMPTOMS)

Skin contact: There may be irritation and redness at the site of contact.

Eye contact: There may be irritation and pain. The vision may become blurred.

Ingestion: There may be soreness and redness of the mouth and throat. There may be vomiting. Inhalation of fumes from the stomach may cause symptoms similar to direct inhalation.

Inhalation: There may be a feeling of tightness in the chest with shortness of breath. Exposure may cause coughing or wheezing. Drowsiness or mental confusion may occur. There may be congestion of the lungs causing severe shortness of breath.

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4. FIRST AID MEASURES (ACTION)

- Skin contact:** Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin. Consult a doctor.
- Eye contact:** Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.
- Ingestion:** Do not induce vomiting. Wash out mouth with water. If conscious, give half a litre of water to drink immediately. Transfer to hospital as soon as possible.
- Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. If conscious, ensure the casualty sits or lies down. If unconscious, check for breathing and apply artificial respiration if necessary. Transfer to hospital as soon as possible.

5. FIRE-FIGHTING MEASURES

- Extinguishing media:** Water spray. Carbon dioxide. Dry chemical powder. Alcohol resistant foam. Use water spray to cool containers.
- Exposure hazards:** Extremely flammable. Harmful. Vapour may travel considerable distance to source of ignition and flash back. Forms explosive air-vapour mixture.
- Protection of fire-fighters:** Wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions:** Do not attempt to take action without suitable protective clothing - see section 8 of SDS. Eliminate all sources of ignition. Turn leaking containers leak-side up to prevent the escape of liquid.
- Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.
- Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

7. HANDLING AND STORAGE

- Handling requirements:** Ensure there is sufficient ventilation of the area. Smoking is forbidden.
- Storage conditions:** Store in cool, well ventilated area. Keep away from sources of ignition.
- Suitable packaging:** Must only be kept in original packaging.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Hazardous ingredients:** PROPANE
WEL (8 hr exposure limit): 1800 mg/m³ WEL (15 min exposure limit): 7200 mg/m³
- BUTANE
WEL (8 hr exposure limit): 1450 mg/m³ WEL (15 min exposure limit): 1810 mg/m³
 - TOLUENE
WEL (8 hr exposure limit): 191 mg/m³ WEL (15 min exposure limit): 574 mg/m³
- Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

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Respiratory protection: Gas/vapour filter, type A: organic vapours (EN141).

Hand protection: Impermeable gloves.

Eye protection: Safety glasses with side-shields. Ensure eye bath is to hand.

Skin protection: Impermeable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Aerosol

Colour: Green-blue

Odour: Characteristic odour

Evaporation rate: Moderate

Solubility in water: Not miscible

Flammability limits %: lower: 1.3

upper: 7

Flash point°C: -40

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Direct sunlight. Sources of ignition. Hot surfaces. Heat.

Haz. decomp. products: In combustion emits toxic fumes.

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: TOLUENE

IVN RAT LD50 1960 mg/kg

ORL MUS LD50 2 gm/kg

ORL RAT LD50 6900 mg/kg

Chronic toxicity: Danger of serious damage to health by prolonged exposure through inhalation.

Routes of exposure: Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

12. ECOLOGICAL INFORMATION

Mobility: Volatile. Insoluble in water. Floats on water. Readily absorbed into soil.

Persistence and degradability: Biodegradable.

Bioaccumulative potential: No data available.

13. DISPOSAL CONSIDERATIONS

Disposal of packaging: Dispose of in a regulated landfill site or other method for hazardous or toxic wastes.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14. TRANSPORT INFORMATION

ADR / RID

UN no: 1950

ADR Class: 2

Classification code: 5F

Shipping name: AEROSOLS (TOLUENE; PROPANE; BUTANE)

Labelling: 2.1



IMDG / IMO

UN no: 1950

Class: 2

EmS: F-D,S-U

Marine pollutant: .

Labelling: 2.1

IATA / ICAO

UN no: 1950

Class: 2

Labelling: 2.1

15. REGULATORY INFORMATION

Hazard symbols: Extremely flammable.

Harmful.

**Risk phrases:** R12: Extremely flammable.

R38: Irritating to skin.

R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R65: Harmful: may cause lung damage if swallowed.

R63: Possible risk of harm to the unborn child.

R67: Vapours may cause drowsiness and dizziness.

Safety phrases: S1/2: Keep locked up and out of the reach of children.

S36/37/39: Wear suitable protective clothing, gloves and eye / face protection.

S38: In case of insufficient ventilation, wear suitable respiratory equipment.

S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

S33: Take precautionary measures against static discharges.

S23: Do not breathe spray.

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S45: In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

S16: Keep away from sources of ignition - No smoking.

Precautionary phrases: Restricted to professional users.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children.

Note: The regulatory information given above only indicates the principal regulations specifically applicable to the product described in the safety data sheet. The user's attention is drawn to the possible existence of additional provisions which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

16. OTHER INFORMATION

Risk phrases used in s.2: R12: Extremely flammable.

R11: Highly flammable.

R38: Irritating to skin.

R48/20: Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R63: Possible risk of harm to the unborn child.

R65: Harmful: may cause lung damage if swallowed.

R67: Vapours may cause drowsiness and dizziness.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.