

SAFETY DATA SHEET

EASY CLEAN

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Revision No: 2

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

Product name: EASY CLEAN

Use / description of product: Aerosol.

Company name: Advanced Engineering Ltd

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients: PROPANE 1-10%

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

[F+] R12

- BUTANE 1-10%

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

[F+] R12

- 3-BUTOXYPROPAN-2-OL 1-10%

EINECS: 225-878-4 CAS: 5131-66-8

[Xi] R36/38

- 2-AMINOETHANOL 1-10%

EINECS: 205-483-3 CAS: 141-43-5

[Xn] R20/21/22; [C] R34

- 1-METHOXY-2-PROPANOL 10-30%

EINECS: 203-539-1 CAS: 107-98-2

[-] R10

3. HAZARDS IDENTIFICATION

Main hazards: Extremely flammable.

Other hazards: Heating may cause an explosion.

4. FIRST AID MEASURES (SYMPTOMS)

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

Eye contact: There may be irritation and redness. The eyes may water profusely.

Ingestion: It is unlikely that this substance will be swallowed due to its physical properties.

[cont...]

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Inhalation: There may be irritation of the throat with a feeling of tightness in the chest. Exposure may cause coughing or wheezing. Nausea and stomach pain may occur.

4. FIRST AID MEASURES (ACTION)

Skin contact: Wash immediately with plenty of soap and water. Consult a doctor.

Eye contact: Bathe the eye with running water for 15 minutes. Transfer to hospital for specialist examination.

Ingestion: Wash out mouth with water. Do not induce vomiting. Transfer to hospital as soon as possible.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. If unconscious, check for breathing and apply artificial respiration if necessary. Transfer to hospital as soon as possible.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Alcohol or polymer foam. Water fog. Carbon dioxide. Dry chemical powder. Use water spray to cool containers.

Exposure hazards: Extremely flammable. 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: Eliminate all sources of ignition.

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. Do not use equipment in clean-up procedure which may produce sparks.

7. HANDLING AND STORAGE

Handling requirements: Ensure there is sufficient ventilation of the area. Smoking is forbidden. Do not handle in a confined space.

Storage conditions: Store in cool, well ventilated area. Avoid incompatible materials and conditions - see section 10 of SDS.

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

- 2-AMINOETHANOL

WEL (8 hr exposure limit): 7.6 mg/m³ WEL (15 min exposure limit): 15 mg/m³

- 1-METHOXY-2-PROPANOL

WEL (8 hr exposure limit): 375 mg/m³ WEL (15 min exposure limit): 560 mg/m³

Engineering measures: Ensure there is sufficient ventilation of the area.

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

Hand protection: Impermeable gloves.

Eye protection: Face-shield.

Skin protection: Protective clothing, PVC.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Aerosol

Colour: Colourless

Odour: Characteristic odour

Evaporation rate: Moderate

Flammability limits %: lower: 1.8

upper: 9.5

Flash point°C: -40

Autoflammability°C: 410 - 580

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Sources of ignition. Heat. Flames.

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

11. TOXICOLOGICAL INFORMATION

Hazardous ingredients: 3-BUTOXYPROPAN-2-OL

ORL RAT LD50 5660 µl/kg

SKN RBT LD50 3100 mg/kg

- 2-AMINOETHANOL

IVN RAT LD50 225 mg/kg

ORL MUS LD50 700 mg/kg

ORL RAT LD50 1720 mg/kg

SCU RAT LD50 1500 mg/kg

- 1-METHOXY-2-PROPANOL

IVN RAT LD50 4200 mg/kg

ORL MUS LD50 11700 mg/kg

ORL RAT LDLO 3739 mg/kg

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

12. ECOLOGICAL INFORMATION

Mobility: Volatile.

Persistence and degradability: No data available.

Bioaccumulative potential: No bioaccumulation potential.

Other adverse effects: Negligible ecotoxicity.

13. DISPOSAL CONSIDERATIONS

Disposal of packaging: Dispose of as normal industrial waste.

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 (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.



Risk phrases: R12: Extremely flammable.

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

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

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

S51: Use only in well-ventilated areas.

S23: Do not breathe spray.

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

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Precautionary phrases: 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.

R36/38: Irritating to eyes and skin.

R20/21/22: Harmful by inhalation, in contact with skin and if swallowed.

R34: Causes burns.

R10: Flammable.

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.