

SAFETY DATA SHEET

POLARGALV

Issued: 08 05 2012

Revision No: 2

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

Product name: POLARGALV

Use / description of product: Aerosol. Extremely flammable. Irritant.

Company name Global Lubricants Ltd

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2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:

Hazardous ingredients:

• ACETONE 30-50% EINECS: 200-662-2 CAS: 67-64-1

[F] R11; [Xi] R36; [Xi] R66; [-] R67

• GALVANISING PAINT 30-50%

[-] R10; [Xn] R20/21; [Xi] R38; [N] R51/53

• PROPANE 10-30% EINECS: 200-827-9 CAS: 74-98-6

[F+] R12

• ISOBUTANE 1-10% EINECS: 200-857-2 CAS: 75-28-5

[F+] R12

• BUTANE 1-10% EINECS: 203-448-7 CAS: 106-97-8

[F+] R12

3. HAZARDS IDENTIFICATION

Main hazards: Extremely flammable. Irritating to skin. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Vapours may cause drowsiness and dizziness.

Other hazards: In use, may form flammable / explosive vapour-air mixture.

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 redness.

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Ingestion: Nausea and stomach pain may occur. There may be vomiting. Inhalation of fumes from the stomach may cause symptoms similar to direct inhalation.

Inhalation: Nausea and stomach pain may occur. There may be vomiting. Drowsiness or mental confusion may occur. There may be loss of consciousness.

4. FIRST AID MEASURES (ACTION)

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Drench the affected skin with running water for 10 minutes or longer if substance is still on skin. Transfer to hospital if there are burns or symptoms of poisoning.

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

Ingestion: Do not induce vomiting. If conscious, give 1 pint of water to drink immediately. If unconscious, check for breathing and apply artificial respiration if necessary. If unconscious and breathing is OK, place in the recovery position. 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. If unconscious and breathing is OK, place in the recovery position. If conscious, ensure the casualty sits or lies down. If breathing becomes bubbly, have the casualty sit and provide oxygen if available. Transfer to hospital as soon as possible.

5. FIRE-FIGHTING MEASURES

Extinguishing media: Carbon dioxide.

Exposure hazards: Extremely flammable. In combustion emits toxic fumes. 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. Wear protective clothing to prevent contact with skin and eyes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Eliminate all sources of ignition. Mark out the contaminated area with signs and prevent access to unauthorised personnel. 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.

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Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Wash the spillage site with large amounts of water. 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. Avoid direct contact with the substance. Smoking is forbidden. Use non-sparking tools.

Storage conditions: Store in cool, well ventilated area. Keep away from sources of ignition. Keep container tightly closed.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredients:

- ACETONE WEL (8 hr exposure limit): 1210 mg/m³ WEL (15 min exposure limit): 3620 mg/m³
- PROPANE WEL (8 hr exposure limit): 1800 mg/m³ WEL (15 min exposure limit): 7200 mg/m³
- ISOBUTANE WEL (8 hr exposure limit): 2400 mg/m³ WEL (15 min exposure limit): 9600 mg/m³
- BUTANE WEL (8 hr exposure limit): 1450 mg/m³ WEL (15 min exposure limit): 1810 mg/m³

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

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Protective gloves.

Eye protection: Safety goggles.

Skin protection: Protective clothing with elasticated cuffs and closed neck. Boots made of PVC.

9. PHYSICAL AND CHEMICAL PROPERTIES

State: Aerosol

Colour: Grey

Odour: Characteristic odour

Evaporation rate: Fast

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Oxidising: Non-oxidising (by EC criteria)

Flash point°C: -10

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Sources of ignition.

Materials to avoid: Oxidising agents.

Hazardous decomposition products: In combustion emits toxic fumes of carbon dioxide and carbon monoxide.

11. TOXICOLOGICAL INFORMATION

Ingredients:

ACETONE IVN RAT LD50 5500 mg/kg, ORL MUS LD50 3 gm/kg, ORL RAT LD50 5800 mg/kg

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

12. ECOLOGICAL INFORMATION

Mobility: Readily absorbed into soil.

Persistence and degradability: Not biodegradable.

Bioaccumulative potential: Bioaccumulation potential.

Other adverse effects: Toxic to aquatic organisms. Toxic to soil organisms.

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

15.

ADR / RID

UN no: 1950 **ADR Class:** 2

Classification code: 5F

Shipping name: AEROSOLS

Labelling: 2.1

IMDG / IMO

UN no: 1950 **Class:** 2

EmS: F-D,S-U **Marine pollutant:** .

Labelling: 2.1

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IATA / ICAO

UN no: 1950 Class: 2

Labelling: 2.1

15. REGULATORY INFORMATION

Hazard symbols:

Extremely flammable.  Harmful.  Dangerous for the environment. 

Risk phrases:

R12: Extremely flammable.

R20/21: Harmful by inhalation and in contact with skin.

R36/38: Irritating to eyes and skin.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R66: Repeated exposure may cause skin dryness or cracking.

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

S23: Do not breathe spray.

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37: Wear suitable protective clothing and gloves.

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

S51: Use only in well-ventilated areas.

S61: Avoid release to the environment. Refer to special instructions / safety data sheets.

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. ADDITIONAL INFORMATION

Risk phrases used in s.2:

R11: Highly flammable.

R36: Irritating to eyes.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

R10: Flammable.

R20/21: Harmful by inhalation and in contact with skin.

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R38: Irritating to skin.

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R12: Extremely 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.

