

# SAFETY DATA SHEET

## ARVINA SPRAY

Issued: 28/03/2012

Revision No: 2

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

**Product name:** ARVINA SPRAY

**Company name:** Global Lubricants Ltd

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### 2. COMPOSITION / INFORMATION ON INGREDIENTS

#### Ingredients:

• PROPANE 10-30% EINECS: 200-827-9 CAS: 74-98-6  
[F+] R12

• N-BUTANE 10-30% EINECS: 203-448-7 CAS: 106-97-8  
[F+] R12

### 3. HAZARDS IDENTIFICATION

#### Main hazards:

Highly flammable.

**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. Corneal burns may occur.

**Ingestion:** Nausea and stomach pain may occur. There may be vomiting and diarrhoea. There may be loss of consciousness. Convulsions may occur.

**Inhalation:** Exposure may cause coughing or wheezing. There may be congestion of the lungs causing severe shortness of breath. There may be loss of consciousness. Convulsions may occur.

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### 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. Alcohol resistant foam.

**Exposure hazards:** Highly 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. 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.

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

**Clean-up procedures:** Mix with sand or vermiculite. Wash the spillage site with large amounts of water.

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### 7. HANDLING AND STORAGE

**Handling requirements:** Ensure there is sufficient ventilation of the area. Avoid direct contact with the substance. Smoking is forbidden.

**Storage conditions:** Store in cool, well ventilated area. Keep away from sources of ignition. Keep container tightly closed. Ensure lighting and electrical equipment are not a source of ignition.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

•PROPANE WEL (8 hr exposure limit): 1800 mg/m<sup>3</sup> WEL (15 min exposure limit): 7200 mg/m<sup>3</sup>

• N- BUTANE WEL (8 hr exposure limit): 1450 mg/m<sup>3</sup> WEL (15 min exposure limit): 1810 mg/m<sup>3</sup>

**Engineering measures:** Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

**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:** Amber fluid

**Odour:** Characteristic odour

**Evaporation rate:** Moderate

**Oxidising:** Non-oxidising (by EC criteria)

**Solubility in water:** Insoluble

**Flash point°C:** -40

### 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

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

**Materials to avoid:** Oxidising agents.

**Haz. decomp. products:** In combustion emits toxic fumes of carbon dioxide and carbon monoxide.

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### 11. TOXICOLOGICAL INFORMATION

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

Mammalian toxicity is considered to be moderately low.

### 12. ECOLOGICAL INFORMATION

**Mobility:** Insoluble in water. Readily absorbed into soil.

**Persistence and degradability:** Biodegradable.

**Bioaccumulative potential:** No bioaccumulation potential.

**Other adverse effects:** Negligible ecotoxicity.

### 13. DISPOSAL CONSIDERATIONS

**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

**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



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### 15. REGULATORY INFORMATION

#### Hazard symbols:



Extremely flammable.

#### Risk phrases:

R12: Highly flammable.

#### Safety phrases:

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

S23: Do not breathe aerosol.

S38: In case of insufficient ventilation wear suitable respiratory equipment

S51: Use only in well-ventilated areas.

S60: This material and its container must be disposed of as hazardous waste

#### 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.

R12: Extremely flammable.

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.