

# SAFETY DATA SHEET

## GLOBAL SOL G

Issued: 15/03/2012

Revision No: 1

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

**Product name:** GLOBAL SOL G

**Company name:** Global Lubricants Ltd

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### 2. COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous ingredients:**

- MEA BORATE 1-10% [Xi] R36/37/38
- BASEOIL - UNSPECIFIED - DISTILLATES (PETROLEUM), HYDROTREATED HEAVY NAPHTHENIC 10-30% EINECS: 265-155-0 CAS: 64742-52-5
- NAPHTHENIC ACID <1% EINECS: 215-662-8 CAS: 1338-24-5 [Xi] R36/37/38
- DIETHANOLAMIDE 1-10% [Xi] R36/38
- DISTILLED TALL OIL 1-10% EINECS: 2323046 CAS: 8002-26-4
- 4,4' METHYL BISMORPHOLINE 1-10% CAS: 5625-90-1 [Xn] R20/21/22; [Xi]R36/37/38
- GLYCERINE 1-10% EINECS: 200-289-5 CAS: 56-81-5
- FUNGICIDE <1% EINECS: 259-627-5 [Xn] R20; [Xi] R41; [N] R50
- BORIC ACID 1-10% EINECS: 233-139-2 CAS: 10043-35-3
- PROPRIATORY ALKANOLAMIDE IONIC COMPLEX SECONDARY AMINE FREE 1-10% [Xi] R36/38
- ALKYL DICARBOXYLATE IONIC COMPLEX SECONDARY AMINE FREE 1-10% [Xi] R36
- ALKANOLAMINE CARBOXYLATE CONDENSATE SECONDARY AMINE FREE 1-10% [Xi] R36/38

### 3. HAZARDS IDENTIFICATION

**Main hazards:** Irritating to eyes.

### 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.

**Ingestion:** There may be irritation of the throat.

**Inhalation:** No symptoms.

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### 4. FIRST AID MEASURES (ACTION)

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

**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. If conscious, give half a litre of water to drink immediately. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

**Exposure hazards:** In combustion emits toxic fumes.

**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:** Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of SDS. 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:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

#### Hazardous ingredients:

- BASEOIL - UNSPECIFIED - DISTILLATES (PETROLEUM), HYDROTREATED HEAVYNAPHTHENIC TWA 5 mg/m<sup>3</sup>
- DIETHANOLAMIDE TWA 5mg/m<sup>3</sup> STEL 10mg/m<sup>3</sup>
- DISTILLED TALL OIL TWA 10 mg/m<sup>3</sup>
- GLYCERINE TWA 10 mg/m<sup>3</sup>
- BORIC ACID TWA 10mg/m<sup>3</sup>

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

**Hand protection:** Protective gloves.

**Eye protection:** Ensure eye bath is to hand. Safety glasses.

**Skin protection:** Protective clothing.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**State:** Liquid

**Colour:** Green/Amber

**Odour:** Characteristic odour

**Solubility in water:** Highly soluble

**Flash point°C:** >150

**Relative density:** 0.97 typ

**pH:** 9.2 typ

### 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

**Conditions to avoid:** Heat. Protect From Frost.

**Materials to avoid:** Strong oxidising agents. Strong acids.

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

### 11. TOXICOLOGICAL INFORMATION

**Hazardous ingredients:**

- |                                    |   |
|------------------------------------|---|
| • NAPHTHENIC ACID                  | ORL RAT LD50 3.0 g/kg   |
| • DISTILLED TALL OIL               | ORL RAT LD50 21.5 ml/kg   |
| • 4,4' METHYL BISMORPHOLINEORL RAT | LCLO 550 mg/kg  |
| • GLYCERINE                        | ORL RAT LD50 12600 mg/kg  |
| • FUNGICIDE                        | ORL RAT LD50 300-500 mg/kg<br>SKN RAT LD50 >2000 mg/kg                      |
| • BORIC ACID                       | ORL MAN LDLO 147 mg/kg<br>ORL RAT LD50 2660 mg/kg<br>ORL WMN LDLO 200 mg/kg |

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

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### 12. ECOLOGICAL INFORMATION

#### Hazardous ingredients:

- |                             |   |
|-----------------------------|---|
| •DISTILLED TALL OIL         | FISH Zebra fish 96H LC50 5-10 mg/l                                      |
| • 4,4' METHYL BISMORPHOLINE | FISH 96H LC50 55 mg/l   |
| • FUNGICIDE                 | DAPHNIA 48H EC50 0.21 mg/l<br>FISH RAINBOW TROUT 96H LC50<br>0.072 mg/l |
| • BORIC ACID                | FISH RAINBOW TROUT LC50 24 Day<br>150 mg/l                              |

**Mobility:** Readily absorbed into soil.

**Persistence and degradability:** Ultimately Biodegradable

**Bioaccumulative potential:** No bioaccumulation potential.

**Other adverse effects:** Negligible ecotoxicity.

### 13. DISPOSAL CONSIDERATIONS

**Disposal operations:** The user's attention is drawn to the use of local or national regulations regarding disposal.

**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

**Shipping name:** Not subject to ADR

#### IMDG / IMO

#### IATA / ICAO

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### 15. REGULATORY INFORMATION

**Hazard symbols:** Irritant.



**Risk phrases:** R36: Irritating to eyes.

**Safety phrases:**

S2: Keep out of the reach of children.

S24/25: Avoid contact with skin and eyes.

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

**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

**Other information:** The above classification applies only to the undiluted product.

**Risk phrases used in s.2:**

R36/37/38: Irritating to eyes, respiratory system and skin.

R36/38: Irritating to eyes and skin.

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

R20: Harmful by inhalation.

R41: Risk of serious damage to eyes.

R50: Very toxic to aquatic organisms.

R36: Irritating to eyes.

**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.