

# SAFETY DATA SHEET

## NDT PENETRANT

Issued: 20/02/2012

Revision No: 1

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

**Product name:** NDT PENETRANT

**Company name:** Global Lubricants Ltd

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### 2. COMPOSITION / INFORMATION ON INGREDIENTS

#### Hazardous ingredients:

- TOLUENE 30-50% CAS: 108-88-3 EINECS: 203-625-9 [F] R11; [Xn] R20;
- LOW BOILING POINT HYDROGEN TREATED NAPHTH NAPHTHA(PETROLEUM) HYDRODESULPHURIZED HEAVY 10-30% CAS: 64742-82-1 EINECS: 265-185-4 [-] R10; [N] R51/53; [Xn] R65; [Xi] R66;
- SYNTHETIC OIL 1-10% CAS: 119-36-8 [Xn] R22; [Xi] R36;
- PROPAN-2-OL 1-10% CAS: 67-63-0 EINECS: 200-661-7 [F] R11; [Xi] R36; [-] R67;

### 3. HAZARDS IDENTIFICATION

**Main hazards:** Extremely flammable. Harmful by inhalation. Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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

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

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**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.

### 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.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** 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. Consult a doctor.

### 5. FIRE-FIGHTING MEASURES

**Extinguishing media:** Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder.

**Exposure hazards:** Highly flammable. In combustion emits toxic fumes. Forms explosive air-vapour mixture. Vapour may travel considerable distance to source of ignition and flash back.

**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:** Refer to section 8 of SDS for personal protection details. Notify the police and fire brigade immediately. 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:** Do not use equipment in clean-up procedure which may produce sparks. Absorb into dry earth or sand. Clean-up should be dealt with only by qualified personnel familiar with the specific substance.

### 7. HANDLING AND STORAGE

**Handling requirements:** Smoking is forbidden. Use non-sparking tools. Ensure there is sufficient ventilation of the area.

Do not handle in a confined space. Avoid the formation or spread of mists in the air.

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

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Hazardous ingredients:**

- TOLUENE  
TWA (8 hr exposure limit): 191 mg/m<sup>3</sup> STEL (15 min exposure limit): 574 mg/m<sup>3</sup>
- PROPAN-2-OL  
TWA (8 hr exposure limit): 999 mg/m<sup>3</sup> STEL (15 min exposure limit): 1250 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 glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing with elasticated cuffs and closed neck. Boots made of PVC. Ensure safety shower is to hand.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

**State:** Aerosol

**Colour:** Deep Red

**Odour:** Characteristic odour

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

**Flash point°C:** -74

### 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions. Stable at room temperature.

**Conditions to avoid:** Heat. Hot surfaces. Sources of ignition. Flames.

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

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

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### 11. TOXICOLOGICAL INFORMATION

#### Hazardous ingredients:

- **TOLUENE**

ORL PGN LD50 636 mg/kg

- **PROPAN-2-OL**

ORL RAT LD50 5045 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:** Partially 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:

Highly flammable. 

Harmful. 

#### Risk phrases:

R12: Extremely flammable.

R20: Harmful by inhalation.

R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### Safety phrases:

S23: Do not breathe aerosol.

S51: Use only in well-ventilated areas.

**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:

R11: Highly flammable.

R20: Harmful by inhalation.

R10: Flammable.

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

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R22: Harmful if swallowed.

R36: Irritating to eyes.

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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.

