



# MATERIAL SAFETY DATA SHEET

## INDY OPEN GEAR & WIRE ROPE LUBRICANT Solvent Based Open Gear & Wire Rope Lubricant

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: INDY Open Gear & Wire Rope Lubricant  
Description: For use on wire ropes and slow moving open gears  
Validation Date: October 2011

Manufacturer: INDY OIL SA (Pty) Ltd  
4-6 Platinum Road  
Montague Gardens  
Cape Town  
South Africa  
7435

In Case of Emergency: Tel. +27 (21) 552 2330

### 2. COMPOSITION

INDY Open Gear & Wire Rope Lubricant consists of a mixture of mineral oil, high viscous and polymeric hydrocarbons, additives and  $\leq 20\%$  trichloroethylene. Trichloroethylene (CAS no. 79-01-6) is toxic. Risk phrases R36 and R38 apply.

### 3. HAZARDS IDENTIFICATION

Hazard designation: Toxic R36/38, R45, R67

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## 4. FIRST AID MEASURES

|              |   |
|--------------|---|
| Inhalation   | In case of irritation of the airways, seek medical attention. Provide with fresh air.         |
| Ingestion    | Rinse mouth thoroughly with water. Administer plenty of water in small sips (dilution effect) |
| Skin Contact | Wash off with soap and water.   |
| Eye Contact  | On contact with the eyes, rinse thoroughly with plenty of water and seek medical advice.      |

## 5. FIRE -FIGHTING MEASURES

Foam, Dry powder, Carbon dioxide, water spray jet. **Do not use full water jet.**

Harmful substances like carbon monoxide, carbon dioxide, etc can be released during fire.

Wear proper protective clothing and breathing mask.

## 6. ACCIDENTAL RELEASE MEASURES

|                           |  |
|---------------------------|--|
| Personal precautions      | Keep people away and stay on the upwind side. Use proper protective clothing.  |
| Environmental precautions | Prevent from spreading or entering into drains.  |
| Clean-up methods          | Liquid can be contained by making a barrier with sand, earth or other containment material. Reclaim liquid directly or in an absorbent. Dispose of in accordance with local regulations. |
| Methods for cleaning up:  | Clean contaminated floors thoroughly and observe environmental regulations. Use organic absorbent material or sawdust.   |

## 7. HANDLING AND STORAGE

Avoid eye contact. Product not regarded as flammable but store in well ventilated area in closed container. Keep away from oxidising agents.

## 8. EXPOSURE CONTROLS & PERSONAL PROTECTION

|                       |   |
|-----------------------|---|
| Occupational Exposure | The control measures appropriate for a particular worksite depends on how this material is used and the extent of exposure. The best protection is to use the product in well-ventilated areas.   |
| Personal Protection   | If engineering controls and work practices are not effective in controlling this material, then wear suitable personal protection equipment, including safety goggles or face shield, boots, impervious gloves, overalls and breathing apparatus. |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                               |  |
|-------------------------------|--|
| Physical state and appearance | Dark brown to black liquid at ambient temperature. |
| Density at 20°C (kg/l)        | 1.1  |
| Flash Point (°C)              | Not regarded as flammable but will burn            |
| Viscosity at 40°C (cSt)       | 420  |
| Water solubility              | Not soluble  |

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## 10. STABILITY AND REACTIVITY

Stability

The product is stable at standard room temperature and pressure. Polymerisation will not occur.

Materials to avoid

Strong oxidising agents.

## 11. TOXICOLOGICAL INFORMATION

Toxicity tests: LD 50 rat > 2000mg.kg

Carcinogenicity: Cat 2

Mutagenicity: Cat 3

## 12. ECOLOGICAL INFORMATION

The product is not regarded to be biodegradable. Do not discharge into the environment without control.

## 13. DISPOSAL CONSIDERATIONS

Used or waste oil should be disposed of in accordance with prevailing regulations. The competence of the contractor to deal with the product should be established beforehand.

## 14. TRANSPORTATION INFORMATION

Not regulated and not dangerous for conveyance.

## 15. REGULATORY INFORMATION

Irritating to eyes and skin. Vapours may cause dizziness. Prolonged contact may lead to cancer.

Keep out of reach of children. Avoid exposure and uncontrolled release into the environment.

## 16. OTHER INFORMATION

Validated by INDY OIL SA (Pty) Ltd on 26/11/2011

Version 2

This document replaces previous validations.

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