



MATERIAL SAFETY DATA SHEET

INDY FORM CS

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	INDY Form CS
Description	INDY Form CS is an inhibited mineral oil used in metal drawing and forming applications
Validation Date	October 2009
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 T Potheary +27 83 310 9999

2. COMPOSITION

INDY Form CS consists of a highly refined mineral base oil and a selective extreme pressure additive. It contains chlorinated paraffin.

3. HAZARDS IDENTIFICATION

No specific hazards under normal use conditions. Prolonged or repeated exposure may give rise to dermatitis.

4. FIRST AID MEASURES

Inhalation	In the unlikely event of dizziness or nausea, remove the casualty to fresh air. If symptoms persist obtain medical attention.
Ingestion	Do not induce vomiting. Wash out mouth with water and obtain medical attention.

CAPE TOWN **HEAD OFFICE**

Tel: 021 552 2330
Fax: 021 552 2879

JOHANNESBURG

Tel: 011 392 3111
Fax: 011 392 3199

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Tel: 032 944 1923
Fax: 032 944 4449

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Skin Contact	Remove contaminated clothing and wash affected skin with soap and water. If persistent irritation occurs, obtain medical attention.
Eye Contact	Flush eyes with clean water. Get medical attention if irritation develops.

5. FIRE -FIGHTING MEASURES

Combustion is likely to give rise to a complex mixture of airborne solids and liquid particulates and gases, including carbon monoxide and unidentified organic compounds. Foam and dry powder can be used as extinguishing media. Carbon dioxide, sand or earth may be used for small fires.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Avoid contact with skin and eyes. Wear protective clothing.
Environmental precautions	Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers. Inform local authorities if this cannot be prevented.
Clean-up methods	Liquid can be absorbed on inert material. Sweep up and remove to a suitable, clearly marked container for disposal in accordance with local regulations.

7. HANDLING AND STORAGE

Use exhaust ventilation if there is a risk of inhalation of vapours or mists. Avoid prolonged contact with skin. When handling product in drums, safety footwear should be worn and proper handling equipment should be used.

Keep in a cool, dry and well-ventilated place. Use only properly labelled and closable containers. Avoid strong 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	Light brown oily liquid at standard temperature
Density at 20C	0.88 kg/l
Viscosity at 40C	35-40 cSt
Flash Point	>200°C

10. STABILITY AND REACTIVITY

Stability	The product is stable
Materials to avoid	Strong oxidising agents
Conditions to avoid	Extremes of temperatures

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11. TOXICOLOGICAL INFORMATION

Not considered to be toxic under normal conditions of use.
May be slightly irritating to the eyes.
If mists are inhaled, slight irritation of the respiratory tract may occur.
Not regarded to be a skin sensitiser.
Product is based on mineral oil types shown to be non-carcinogenic. Other components are not known to be associated with carcinogenic effects.
Not considered to be a mutagenic hazard.

12. ECOLOGICAL INFORMATION

The product is liquid under most environmental conditions. It floats on water. If it enters soil, it will adsorb to soil particles and will not be mobile.
Poorly soluble mixture. May cause fouling of aquatic organisms, although mineral oil is not expected to cause any chronic effects to aquatic organisms at concentrations < 1mg/l.
Not expected to have ozone depletion potential. The product is a mixture of non-volatile components which are not expected to be released to air in any significant quantities.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with prevailing regulations. The competence of the contractor should be established beforehand. Do not pollute soil, water or the environment with the waste product.

14. TRANSPORTATION INFORMATION

Not dangerous for transport.

15. REGULATORY INFORMATION

None of the components are classified in terms of RSA regulation

16. OTHER INFORMATION

Validated by INDY OIL SA (Pty) Ltd on 21/10/2009
Version 1
This document does not replace any previous validations

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