



MATERIAL SAFETY DATA SHEET

PRODUCT: ISCOLUBE

MSDS REF NO: ISLO001
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Section 1: Identification of the Product and Supplier

Product name	Product type	Supplier	Emergency Telephone Numbers
ISCOLUBE	Light mould oil	Iscosa (Pty) Ltd 33 Borax Street Alrode Ext 7, Alberton South Africa	Office: +27 11 908 2511 Brett Freeman: +27 76 740 1356 Grant Freeman: +27 83 449 5489

Section 2: Composition / Application

Chemical name	CAS No:	Percent	Symbol
Iscolube is the modified transester and contains natural vegetable oils and waxes. It is used extensively as a die lubricant in the extrusion of highly smectitic clays or claybricks that become sticky when wet.	Not classified	-	-

Section 3: Hazards Identification

Physical /Chemical Hazards:	Caution! May cause eye and skin irritation. May cause respiratory and digestive tract irritation.
Human Health Hazards	May cause irritation during use. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Section 4: Potential Health Effects

Inhalation	May cause respiratory tract irritation. Not considered to be an aspiration risk.
Ingestion	May cause digestive tract irritation, diarrhoea.
Skin contact	Low hazard for industrial handling.
Eye contact	May cause mild eye irritation.

Section 5: Transport Information

Land:	Not regulated as a hazardous material.
Sea:	Not regulated as a hazardous material.
Air:	Not regulated as a hazardous material.

Section 6: First Aid measures

Inhalation:	Iscolube is not considered an aspiration risk provided that it is applied in a well ventilated area. If breathing problems do arise vacate the area and inhale fresh air and if the problem persists get medical attention.
Ingestion:	Rinse mouth. Get medical attention.
Skin Contact:	Remove all contaminated clothing and wash affected skin areas with plenty of soap and water. If the irritation persists get medical attention.
Eye contact:	Rinse immediately with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids (remove contact lenses). Get medical attention.
Aggravating conditions:	None.

Section 7: Fire Fighting Measures.

General Information:	Iscolube is not flammable being a water based product, however the packaging could be and appropriate care should be exercised. Wear a self-contained breathing apparatus in pressure demand and full protective gear. Contained liquids can cause the packaging containers to burst if the contents are heated to boiling point.
Extinguishing media:	Use an extinguishing agent most appropriate to extinguish the surrounding fire.

Section 8: Accidental Release Measures

General Information:	Use all of the personal protective clothing and equipment as indicated in Section 11. Do not compromise your safety or health by using sub-standard quality items.
Spills and Leaks:	Iscolube in concentrated or diluted form produces a slippery surface. Sweep up or absorb any spilt material and place it in a suitable clean dry enclosed container for disposal.

Section 9: Handling and Storage

Handling:	Iscolube in its concentrated form is strongly alkaline and should be handled with care. Always use the recommended personal protection equipment when handling this product.
Storage:	Store in a cool, dry, well ventilated area away from incompatible substances.

Section 10: Exposure Controls, Personal Protection

Engineering Controls:	Spills – Floor may become slippery - contain spill with absorbent material and apply a strong soap solution to the surface as a final clean-up process. Apply in a well ventilated area, if spray applied.
Hygiene Measures:	Wash hands, forearms and face thoroughly after handling compounds, if your protective clothing and equipment has been contaminated get it cleaned before reuse.

Section 11: Personal Protective Equipment

Eyes:	Wear appropriate eyeglasses or chemical safety goggles.
Skin:	Wear appropriate gloves to prevent skin exposure.
Clothing:	Wear appropriate clothing to prevent skin exposure.
Respirator:	Use appropriate respirator.

Section 12: Physical and Chemical Properties

Physical State:	Liquid
Appearance:	Amber / Brown Liquid
Odour:	Slight vegetable oil odour
pH Range	8- 9.5
Evaporation Rate:	Negligible
Viscosity:	Ford Cup – 8 seconds @ 25°C
Boiling Point	>110°C
Freezing/Melting Point:	<6°C
Decomposition Temperature:	325°C
Solubility:	Insoluble in Water - Hydrophobic
Specific Gravity / Density	0.85
Flash Point	188°C

Section 13: Ecological Information.

Ecotoxicity:	Non Toxic
Environmental Fate:	Biodegradable

Section 14: Toxicological Information.

Carcinogenic Effects:	None Reported
Epidemiology:	No information available
Teratogenicity	No information available
Reproductive Effects:	No information available
Neurotoxicity:	No information available
Mutagenicity	No information available

Section 15: Stability and Reactivity

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to avoid:	Incompatible materials, excess heat. Hydrophobic.
Incompatible with other materials:	Do not store near oxidising Agents.
Hazardous Polymerisation:	Has not been reported.

Section 16: Disposal Considerations.

Methods of Disposal:	Waste must be disposed of in accordance with local environmental control regulations.
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Notice to Reader:

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