

TRAX TO-4

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier and uses of the substance or mixture

Product Name	Indy Trax TO-4 10W, SAE 30, 40 & 50
Description	Caterpillar Transmission and Drive Train Lubricants.
Relevant uses	Power shift transmissions, final drives, hydrostatic transmissions, torque converters and hydraulics in heavy duty vehicles.

1.2 Details of the supplier of the safety data sheet

Manufacturer	GUD Holdings (Pty) Ltd via Indy Oil SA 3 The Avenue East Isipingo KwaZulu-Natal South Africa 4110

1.3 Emergency telephone number

Emergency Contact Number(s)	+ 27 31 910 3111 + 27 60 572 8088

2. HAZARDS INDENTIFICATION

2.1 Classification of the substance or mixture

Mixture.

Repro. Cat. 2; H360FD

Xi; H318

N; H401/H413

When used as intended, this product is not expected to pose a health risk.
Used oil may be hazardous to health and the environment—always dispose of it responsibly and in accordance with applicable legislation.

CLP classification:

Serious eye damage- Category 1

Reproductive toxicant- Category 1B

Chronic aquatic toxicant- Category 2

2.2 Label elements

Under the criteria of Regulation (EC) No 1272/2008 (CLP):

Hazard pictograms (CLP)



Signal word

Danger.

Hazard statements

H318- Causes serious eye damage.

H360- May damage fertility or the unborn child.

H411- Toxic to aquatic life with long lasting effects.

Precautionary statements

P201- Obtain special instructions before use.

P202- Do not handle until all precautions have been read and understood.

P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

P281- Use personal protective equipment as required.

Response	IF IN EYES: P305+ P351 Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. P338- Continue rinsing. P308+P313- IF exposed or concerned: Get medical advice/attention. P310- Immediately call a POISON CENTER or doctor/physician. P391- Collect spillage.
Storage	P405- Store locked up.
Disposal	P501- Dispose of contents/container in accordance with applicable local/regional/national/international regulations.

2.3 Other hazards

Not applicable.

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3. COMPOSITION/INFORMATION ON INGREDIENTS:

Component	PRODUCT IDENTIFIER	% Content	Classification
Distillate (Petroleum), Hydrotreated, heavy paraffinic	CAS No.: 64742-54-7 EC No.: 265-157-1	50 - 80	H400, H410
Highly refined mineral oil (C15 - C50)	CAS No.: 8042-47-5 EC No.: 232-455-8	15 - 28	None
Zinc alkyl dithiophosphate	CAS No.: 68649-42-3 EC No.: 272-028-3	10 - 19	H411, H318
Calcium branched chain alkyl phenate sulfide	CAS No.: 90480-91-4 EC No.: 291-829-9	9 - 18	H413
Calcium long chain alkaryl sulfonate	CAS No.: 722503-69-7 EC No.: 682-812-0	5 - 10	H413, H317
Polyolefin polyamine succinimide, polyol	CAS No.: 147880-09-9 EC No.: 604-611-9	0.5 - 4	H413
Branched alkylphenol and Calcium branched alkylphenol	CAS No.: 74499-35-7 & 132752-19-3 EC No.: 132752-19-3	0.5 - 3	H410, H319, H360, H315

4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation — Remove to fresh air, and keep affected person at rest. Obtain medical attention if irritation to respiratory tract is severe and adversely affects breathing.

Ingestion — Rinse out mouth thoroughly. Do not induce vomiting. Obtain medical advice immediately.

Skin Contact — Remove contaminated clothing, apply a waterless hand cleaner, mineral oil, or petroleum jelly. Then wash with soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Eye Contact — Flush eyes with clean water for at least 15 minutes. Remove contact lenses, if worn. Do not rub or agitate the affected area. Get immediate medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Inhalation — May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit.

Ingestion — Not expected to be harmful if swallowed.

Skin — Contact with the skin is not expected to be harmful.

Eye — Contact with the eyes causes severe irritation. Symptoms may include pain, tearing, reddening, swelling and impaired vision.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

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5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media Use water fog, foam, dry chemical or carbon dioxide (CO_2) to extinguish flames.

5.2 Special hazard arising from substance or mixture

Hazardous decomposition products Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion. Combustion may form oxides of: Nitrogen, Calcium, Sulfur, Phosphorus, Zinc, Molybdenum, Boron.

5.3 Advise for firefighters

Protection during firefighting Proper protective equipment including breathing apparatus must be worn when approaching a fire.

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6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Emergency procedures Ventilate spillage area. Avoid contact with skin and eyes. Avoid breathing dust/fumes/gas/vapours/spray.

Emergency responders Do not attempt to take action without protective equipment.

6.2 Environmental precautions

Avoid release to prevent further contamination of soil, surface water or groundwater.

6.3 Methods and material for containment and cleaning up

Take up liquid into appropriate absorbent material. Dispose of material or solid residues as per the regulations of the local site.

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7. HANDLING AND STORAGE

7.1 Usage precautions

Safe handling — Ensure good personal hygiene when handling product. Wash hands, clothing and other contaminated areas with water and soap before leaving the work site to minimize spread of contamination.

Hygiene measures — Do not eat, drink or smoke when using the product. Ensure adequate ventilation is provided when product is being used. Ensure personal protective equipment is used where necessary.

7.2 Storage conditions

Store the product in its original container, and ensure that the container is tightly closed and kept upright. Store in a cool, dry, and well-ventilated area. Ensure that the relevant spill containment apparatus is available. Exposure to excessive temperatures should be avoided. Water contamination should be avoided. The product is suitable for short-term storage in mild steel and high-density polyethylene (HDPE) containers.

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8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure and biological limits

The ACGIH TLV for mineral oil mists is 5 mg.m-3 for a time period of 8-hour exposure. A short-term exposure limit of 10 mg.m-3 (STEL) is recommended.

8.2 Exposure controls

Appropriate engineering controls:

Ensure adequate ventilation of the work place.

Personal protection equipment

Personal protection equipment symbol(s):



Respiratory equipment

The use of respiratory equipment under normal operating conditions is not required. Should operating conditions create airborne concentrations that are excessive, the use of an approved respirators such as toxic dust, mist and fume respirators are recommended

Hand protection

The use of chemical-resistant, nitrile or butyl rubber gloves is recommended.

Eye protection

The use of tightly-fitted safety goggles / glasses is recommended when splashing is probable.

Skin protection

Wear appropriate clothing to prevent repeated or prolonged skin contact.

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical appearance	Liquid at ambient temperature	
Colour	Amber	
Odour	Hydrocarbon	
Solubility	Insoluble in water	
Vapour density (air = 1)	Heavier than air	
Viscosity at 40ºC (kinematic)	31.5 - 282 cSt	(typical)
Viscosity at 100ºC (kinematic)	4.5 - 20 cSt	(typical)
Density at 20ºC	860 – 900 kg.m^{-3}	(typical)
Flash Point	≥220 °C	

9.2 Other information

No data available.

10. STABILITY AND REACTIVITY

Chemical stability	Stable under normal ambient conditions.
Reactivity	Not expected to be reactive.
Materials to avoid	Strong oxidising agents.
Conditions to avoid	Extremes of temperatures and direct sunlight.
Mutagenicity	Not considered a mutagenic hazard.
Carcinogenicity	Not classified as carcinogenic.
Hazardous Decomposition Products	Alkyl Mercaptans.

11. TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes

Acute Oral Toxicity	Expected to be of low toxicity: LD50> 5000 mg/kg, Rat
Acute Dermal Toxicity	Expected to be of low toxicity: LD50> 5000 mg/kg, Rabbit
Acute Inhalation Toxicity	Not considered to be a hazard under normal conditions of use.

11.2 Information on other hazards

No additional information available.

12. ECOLOGICAL INFORMATION

12.1 Toxicity ecology

Harmful to aquatic life with long lasting effect.

12.2 Bioaccumulation

No available data on bioaccumulation.

12.3 Degradability

No available data on degradability.

12.4 Mobility in soil

No information available.

12.5 Other adverse effect

No information available.

13. DISPOSAL CONSIDERATIONS

Waste relating to the product is considered hazardous, and should be disposed off according to regulations as stipulated by local authorities.

14. TRANSPORTATION INFORMATION

This material is not classified as dangerous and no special transportation requirements exist.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulation

No regulations.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

16. OTHER INFORMATION

Abbreviations and acronyms

CAS No.	Chemical Abstract Service number.
EC No.	European Community number.
Xi	Irritating substance.

N	Dangerous for the environment

Full text of H-Phrases

H318	Causes serious eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Risk of serious damage to eyes.
H319	Causes serious eye irritation.
H360	May damage fertility or the unborn child.
H360FD	Suspected of damaging the unborn child.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.

Full text of P-Phrases

P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P281	Use personal protective equipment as required.

Further information

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