MATERIAL SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006

Product name : **SWARAJ TRACTELF 2371**

Issue : 01

Version of : 2012-02-13
Revision date : None

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name :	SWARAJ TRACTELF 2371
Chemical Name :	Mixture
Synonyms:	Hydrocarbons
C.A.S. No.:	
Hazchem No.:	-

1.2. Relevant identified uses of the substance or mixture and uses advised against

Product application :	UTTO - Transmission fluid.

1.3. Details of the supplier of the safety data sheet

Supplier :	TOTAL OIL INDIA PVT. LTD., Lubricants Division The Leela Galleria, 3rd Floor Andheri Kurla Road Andheri East, Mumbai 400 059 India
Emergency telephones :	+ 91 02266407700
Fax :	+ 91 02266407720

2. HAZARDS IDENTIFICATION

The preparation is non-dangerous in accordance with Directive 1999/45/EC

Classification

Symbol(s) Not Classified

Classification

Most Important Hazards

Health effects	May produce an allergic reaction.
Environmental effects :	Should not be released into the environment.
Physical-Chemical hazards :	Contaminated surfaces will be extremely slippery.

3. COMPOSITION/INFORMATION ON INGREDIENTS

PREPARATION

Chemical Nature : Petroleum-derived severely refined mineral-base product

in which the polycyclic aromatic hydrocarbons (PCA or PAH) content, measured by IP 346, is less than 3%

Substances contributing to hazards : Petroleum distillate hydro treated CAS 64742-46-7 (Xn-R65)... max 18%

Impurities contributing to hazards : None to our knowledge

Chemical Name	EC No.	REACH registration no.	CAS-No	Weight %	Classification (Dir. 67/548)	Classification (Reg. 1272/2008)
Long chain alkyl succinimide		no data available		<4.5	Xi;R38 N;R51-53	

Additional information

Product containing mineral oil with less than 3% DMSO extract as measured by IP 346

For the full text of the R-phrases mentioned in this Section, see Section 16

4. FIRST AID MEASURES

General advice : IN CASE OF SERIOUS MANIFESTATIONS, CALL IN A DOCTOR OR EMERGENCY MEDICAL CARE

Route of exposure :

Inhalation	Move to fresh air. Inhalation of vapors in high concentration may cause irritation of respiratory system.
Skin contact :	Remove contaminated clothing and shoes. Wash skin with soap and water. Wash contaminated clothing before reuse. May cause an allergic skin reaction. Immediately remove all soiled or stained clothing Wash the affected area immediately and repeatedly soap and water
Eye contact :	Rinse immediately with plenty of water and seek medical advice.
Ingestion :	If swallowed, do not induce vomiting - seek medical advice. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
Notes to physician :	Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flash Point:	See section 9
Extinguishing media:	- suitable : Foam. Carbon dioxide (CO2). ABC powder.
Extinguishing media which shall not	Do not use a solid water stream as it may scatter and spread fire.

be used for safety reasons

Specific hazards: Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled.

Fire-fighter protection : Wear self-contained

Other information Cool containers / tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Ensure adequate ventilation. Do not touch or walk through spilled material. Contaminated surfaces will be extremely slippery. For personal protection see section 8.

Environmental precautions Try to prevent the material from entering drains or water courses. Do not allow material to contaminate ground water system. Local authorities should be advised if significant spillages cannot be contained.

Methods for cleaning up Dam up. Soak up with inert absorbent material. Keep in suitable, closed containers for disposal.

(*) Also refer section 8 and 13

7. HANDLING AND STORAGE

7.1 HANDLING

Advice on safe handling Use only in well-ventilated areas. When using, do not eat, drink or smoke. Do not breathe vapors or spray mist. Avoid contact with skin, eyes and clothing. For personal protection see section 8.

7.2 STORAGE

Technical measures: Keep away from food, drink and animal feeding stuffs. Keep in a bunded area. Keep container tightly closed. Keep preferably in the original container. Otherwise reproduce all indication of the regulation label on the new container. Do not remove the hazard labels of the containers (even if they are empty). Design the installations in order to avoid accidental emissions of product (due to seal breakage, for example) onto hot casings or electrical contacts. Protect from frost, heat and sunlight. Protect from moisture.

Materials to Avoid Strong oxidizing agents

Specific use(s)

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure limits

oil mist : 10mg/m3, for 15 minutes oil mist : 5mg/m3,

Legend

+	Sensitizer	*	Skin designation
**	Hard designation	C:	Carcinogen
M:	Mutagen	R:	

BIOLOGICAL STANDARDS

Exposure controls

Occupational Exposure Controls

Engineering Measures Apply technical measures to comply with the occupational exposure limits. When working in confined spaces (tanks, containers, etc.), ensure that there is a supply of air suitable for breathing and wear the recommended equipment.

Hygiene measures Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. When using, do not eat, drink or smoke. Use personal protective equipment as required. Wash hands before breaks and at the end of workday. Regular cleaning of equipment, work area and clothing is recommended. Do not use abrasives, solvents or fuels Avoid breathing vapors, mist or gas Avoid extended and repeated contact with the skin as this may cause skin conditions, which may also be aggravated by minor injuries or by contact with soiled clothing. Avoid prolonged and repeated contact with the skin, especially with used or waste product. Do not dry hands with rags that have been contaminated with product Do not put product contaminated rags into work wear pockets.

Personal Protective Equipment

General Information These recommendations apply to the product as supplied. If the product is used in mixtures, it is recommended that you contact the appropriate protective equipment suppliers.

Respiratory protection When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Respirator with combination filter for vapour/particulate (EN 141). The use of breathing apparatus must comply strictly with the manufacturer's instructions and the regulations governing their choices and uses

Eye Protection If splashes are likely to occur, wear: Safety glasses with side-shields

Skin and body protection Protective gloves, Long sleeved clothing, Protective shoes or boots.

Hand Protection

Hydrocarbon-proof gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the EC approved gloves

Environmental Exposure Controls

Environmental Exposure Controls

The product should not be allowed to enter drains, water courses or the soil.

9. PHYSICAL AND CHEMICAL PROPERTIES (To be Edited)

Color — Yellow to amber

Physical State @20°C — Liquid

Odor — Characteristic

Property	Values	Remarks	Method
pH		No information available	
Boiling point/boiling range		Not applicable	
Flash point		> 210 c	Cleveland Open Cup (COC)
		> 410 F	Cleveland Open Cup (COC)
Evaporation rate		No information available	
Flammability Limits in Air		No information available	
Vapor Pressure @ 20° C		No information available	
Vapor density			
Density	0.876	@ 20 °C	ASTM D052
Water solubility		Not applicable	
Solubility in other solvents		No information available	
logPow		No information available	
Auto ignition temperature		> 250 C > 482 F	
Viscosity, kinematic	11.3 cSt	@ 100 °C	ASTM D445

Explosive properties — Not explosive

Oxidizing Properties — Not applicable

Possibility of hazardous reactions — Not applicable

9.2. Other information

10. STABILITY AND REACTIVITY

Stability : The product is stable at normal storage, handling and use temperatures.

Conditions to avoid : Heat (temperatures above flash point), sparks, ignition points, flames, static electricity

Materials to avoid : Avoid contact with strong oxidizing

Hazardous decomp. products : Incomplete combustion and thermolysis produce more or less toxic gases such as CO, CO2, various hydrocarbons, aldehydes and soot.

Hazardous Reactions — None under normal processing.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity - Product Information

- Inhalation — Inhalation of vapors in high concentration may cause irritation of respiratory system.

- Ingestion — Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea

Acute toxicity Component Information

Sub chronic toxicity

No information available

CHRONIC TOXICITY OR LONG-TERM

Sensitization — Not classified as a sensitizer. Contains sensitizer(s). May produce an allergic reaction

CMR Effects

12. ECOLOGICAL INFORMATION

Ecotoxicity

Acute aquatic toxicity Product Information

Acute aquatic toxicity Component Information

Acute aquatic toxicity Component Information

Chemical Name	Toxicity to algae	Toxicity to daphnia and other aquatic invertebrate	Toxicity to fish	Toxicity to microorganisms
none				

Chronic aquatic toxicity Product Information

Chronic aquatic toxicity Component Information

Effects on terrestrial organisms

12.2. Persistence and degradability

Persistence and degradability	No information available

12.3. Bio accumulative potential

Product Information

Partition coefficient: n-octanol/water	No information available

Component Information

12.4. Mobility in soil

Soil :	Given its physical and chemical characteristics, the product generally shows low soil mobility.
- Air :	Loss by evaporation is limited.
- Water :	Insoluble. The product spreads on the surface of the water.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment	No information available

12.6. Other adverse effects

General Information	No information available.

13. DISPOSAL CONSIDERATIONS

Waste from Residues / Unused Products	Dispose of in accordance with the European Directives on waste and hazardous waste. After use, this oil must be sent to a used oil collection location. Incorrect disposal of used oil endangers the environment. Every mixture with foreign substances such as solvents, brake and cooling liquids is forbidden.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.
EWC Waste Disposal No.	The following Waste Codes are only suggestions: 13 02 05
Other information	According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user based on the application for which the product was used.

14. TRANSPORT INFORMATION

UN Number :	unregulated
Road(ADR)/Rail(RID)/River(ADNR)	Not restricted for transport
Marine (IMO-IMDG)	Not restricted for transport
Airline (ICAO / IATA)	Not restricted for transport

15. REGULATORY INFORMATION

The preparation is non-dangerous in accordance with Directive 1999/45/EC.

Labelling

Symbol(s)

R-phrase(s)

none

S-phrase(s)

none

Special labelling of certain preparations

Contains Calcium sulfonate. May produce an allergic reaction.

Further information

International Inventories

EINECS/ELINCS -
TSCA -
DSL -
ENCS -
IECSC -
KECL -
PICCS -
AICS

NZIoC -

Legend

EINECS/ELINCS - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances
NZIoC - New Zealand Inventory of Chemicals

European Union

Directive 1999/13/EC on the limitation of emissions of volatile organic compounds

16. OTHER INFORMATION

Full text of R-phrases referred to under sections 2 and 3

R38 - Irritating to skin
R43 - May cause sensitization by skin contact
R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

Disclaimer

This safety data sheet serves to complete but not to replace the technical product sheets. The information contained herein is given in good faith and is accurate to the best of knowledge at the date indicated above. It is understood by the user that any use of the product for purposes other than those for which it was designed entails potential risk. The information given herein in no way dispenses the user from knowing and applying all provisions regulating his activity. The user bears sole liability for the precautions required when using the product. The regulatory texts indicated herein are intended to aid the user to fulfil his obligations. This list is not to be considered complete and exhaustive. It is the user's responsibility to ensure that he is subject to no other obligations than those mentioned

End of the safety data sheet