



TOTAL

Product name :

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

DYNATRANS SF 3I

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 : DYNATRANS SF 3I  
 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 : + 91 022 66407700  
 Fax : + 91 022 66407720

**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

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

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

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.

Eye contact : Immediately remove all soiled or stained clothing  
 Wash the affected area immediately and repeatedly soap and water  
 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 :

Extinguishing media which shall not Foam. Carbon dioxide (CO2). ABC powder.  
 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 bonded 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

<u>Property</u>	<u>Values</u>	<u>Remarks</u>	<u>Method</u>
pH		No information available	
Boiling point/boiling range		Not applicable	
Flash point		> 210 c > 410 F	Cleveland Open Cup (COC) 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	10.4 cSt	@ 100 °C	ASTM D445
<b>Explosive properties</b>		Not explosive	
<b>Oxidizing Properties</b>		Not applicable	
<b>Possibility of hazardous reactions</b>		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**

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.

**Products****Contaminated packaging**

Empty containers should be taken to an approved waste handling site for recycling or disposal.

**EWG 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**