



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

Product name :

**SUPER HDB ULTRA 20W40**

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 : SUPER HDB ULTRA 20W40

Number

Hazchem No.:

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Pure substance / mixture :

Mixture

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

Identified uses Motor Oil

**1.3. Details of the supplier of the safety data**

Supplier : TOTAL OIL INDIA PVT. LTD., Lubricants Division  
 The Leela Galleria, 3rd Floor  
 Andheri Kurla Road  
 Andheri East, Mumbai 400 059  
 India

For further information, please contact

Contact Point

HSE

E-mail Address

Emergency telephones :

+ 91 022 66407700

Fax :

+ 91 022 66407720

**2. HAZARDS IDENTIFICATION****2.1. Classification of the substance or mixture****REGULATION (EC) No 1272/2008***For the full text of the H-Statements mentioned in this Section, see Section 2.2.***Classification****DIRECTIVE 67/548/EEC or 1999/45/EC***For the full text of the R-phrases mentioned in this Section, see Section 16*

Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 1999/45/EC

**Symbol(s)**

Not Classified

**2.2. Label elements****Labelled according to:** Not classified/No labelling required**R-phrases(s)**

none

**S-phrases(s)**

none

**2.3. Other hazards****Physical-Chemical Properties**

Contaminated surfaces will be extremely slippery

**Environmental properties**

Should not be released into the environment

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

Chemical Name	EC No.	CAS-No	Weight %	Classification (Dir. 67/548)	Classification (Reg. 1272/2008)
Zinc alkyl di thiophosphate		68649-42-3	<1.5 %	Xi ,N	R-38, 41, 51/53
Long chain alkylsulphonate		722503-68-6	<0.5 %		R-53

Branched Alkylphenol		74499-35-7	<0.3 %	Xn ,N	R-11, 38, 50/53, 62
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**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  
For the full text of the H-Statements mentioned in this Section, see Section 16.

#### 4. FIRST AID MEASURES

##### 4.1. Description of first-aid measures

General advice	IN CASE OF SERIOUS MANIFESTATIONS, CALL IN A DOCTOR OR EMERGENCY MEDICAL CARE
Eye contact	Rinse thoroughly with plenty of water, also under the eyelids.
Skin contact	Remove contaminated clothing and shoes, Wash off with soap and water, Wash contaminated clothing before reuse
Inhalation	Move to fresh air
Ingestion	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician or Poison Control Center immediately.

##### 4.2. Most important symptoms and effects, both acute and delayed

Eye contact	Not classified.
Skin contact	Not classified
Inhalation	Not classified. Inhalation of vapors in high concentration may cause irritation of respiratory system.
Ingestion	Not classified. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

##### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician	Treat symptomatically
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#### 5. FIRE-FIGHTING MEASURES

Flash Point :	See section 9
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##### 5.1. Extinguishing media :

Suitable Extinguishing Media	Foam, carbon dioxide (CO2), powder, Water spray or fog
Unsuitable Extinguishing Media	Do not use a solid water stream as it may scatter and spread fire

##### 5.2. Special hazards arising from the substance or mixture

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 in confined spaces or at high concentration.
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##### 5.3. Advice for fire-fighters

Special protective equipment for fire-fighters	Wear self-contained breathing apparatus and protective suit
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

##### 6.1. Personal precautions, protective equipment and emergency procedures

General Information	Do not touch or walk through spilled material. Contaminated surfaces will be extremely slippery. Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition
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##### 6.2. Environmental precautions

General Information	Do not allow material to contaminate ground water system. Try to prevent the material from entering drains or water courses. Local authorities should be advised if significant spillages cannot be contained.
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##### 6.3. Methods and materials for containment and cleaning up

Methods for cleaning up	Dam up. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.
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##### 6.4. Reference to other sections

Personal Protective Equipment	See Section 8 for more detail
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Waste treatment

See section 13

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

#### Advice on safe handling

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

#### Prevention of fire and explosion

Take precautionary measures against static discharges. Ground/bond containers, tanks and transfer/receiving equipment.

#### Hygiene measures

Ensure the application of strict rules of hygiene by the personnel exposed to the risk of contact with the product. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product. Do not use abrasives, solvents or fuels. Do not dry hands with rags that have been contaminated with product. Do not put product contaminated rags into work wear pockets.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Technical measures/Storage conditions

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

### 7.3. Specific end uses

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

#### - Occupational exposure limit

oil mist : 10 mg/m3, for 15 mins  
oil mist : 5 mg/m3, for 8 hrs

### 8.2. Exposure controls

#### Occupational Exposure Controls

#### Engineering measures :

Use the product in well-ventilated premises

When working on enclosed place (tanks, reservoirs..), make sure that the atmosphere is not suffocating and / or wear recommended equipment.

#### Personal protective equipment

#### General Information

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

#### 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

Wear suitable protective clothing. Protective shoes or boots. Long

#### 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

#### General Information

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES (To be edited)

### 9.1. Information on basic physical and chemical properties

#### Color

Red

#### Physical State @20°C

Liquid

#### Odor

Characteristic

<u>Property</u>	<u>Remarks</u>	<u>Method</u>
pH	Not applicable	
Boiling point/boiling range	Not applicable	
Flash point	> 220 C	ASTM D 93
	> 428 F	ASTM D 93
Evaporation rate	No information available	
Flammability Limits in Air	No information available	
Vapor Pressure @ 20° C (kpa)	No information available	
Vapor density		
Density	0.872 @ 15 °C	
Water solubility	Not applicable	
Solubility in other solvents	No information available	
logPow		
Auto ignition temperature	No information available	
Viscosity, kinematic	14- 15 cSt @ 100 °C	ISO 3104
<b>Explosive properties</b>	Not explosive	
<b>Oxidizing Properties</b>	Not applicable	
<b>Possibility of hazardous reactions</b>	Not applicable	
<b>9.2. Other information</b>		
Pour point	< -18	ASTM D 97

## 10. STABILITY AND REACTIVITY

### 10.1. Reactivity

### 10.2. Chemical stability

Stability Stable under recommended storage conditions

### 10.3. Possibility of hazardous reactions

Hazardous Reactions None under normal processing

### 10.4. Conditions to Avoid

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

### 10.5. Incompatible Materials

Materials to Avoid Acids, Oxidizing agents, Halogens

**10.6. Hazardous Decomposition Products** None under normal use. Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot, Sulphur oxides, Hydrogen sulphide, Mercaptans

Hazardous Decomposition Products

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

Acute toxicity Local effects, Product Information

Skin contact Not classified.

Eye contact Not classified

Inhalation Not classified. Inhalation of vapors in high concentration may cause irritation of respiratory system.

Ingestion Not classified. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

### Acute toxicity Component Information

Chemical Name	LD 50 ORAL	LC 50 INHALATION
none		

### Sensitization

Sensitization Not classified as a sensitizer

### Specific effects

### Carcinogenicity

This product is not classified carcinogenic. During use in engines, contamination of oil with low levels of combustion products occurs. Used motor oils have been shown to cause skin cancer in mice following repeated application and continuous exposure. Brief or intermittent skin contact with used motor oil is not expected to have serious effects in humans if the oil is thoroughly removed by washing with soap and water.

### Mutagenicity

This product is not classified as mutagenic.

### Reproductive toxicity

This product does not contain any known or suspected reproductive hazards.

### Repeated Dose Toxicity

Sub chronic toxicity

No information available.

**Target Organ Effects (STOT)**

Target Organ Effects (STOT)

No information available

**Other information**

Other adverse effects

Characteristic skin lesions (pimples) may develop following prolonged and repeated exposures (contact with contaminated clothing).

**12. ECOLOGICAL INFORMATION****12.1. Toxicity**

Not classified.

**Acute aquatic toxicity Product Information**

No information available

**Acute aquatic toxicity Component Information**

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms
none			

**Chronic aquatic toxicity Product Information**

No information available.

**Chronic aquatic toxicity Component Information**

No information available.

**Effects on terrestrial organisms**

No information available.

**12.2. Persistence and degradability**

Persistence and degradability

General Information

No information available

**12.3. Bio accumulative potential (Please check table info)****Product Information**

No information available

logPow

**Component Information**

Chemical Name	log pow
none	

**12.4. Mobility in soil**

Mobility :

- Air :

Loss by evaporation is limited

- Soil :

Given its physical and chemical characteristics, the product generally shows little mobility in the ground

- Water :

The product is insoluble, it 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****13.1. Waste treatment methods**

Waste from Residues / Unused

Products :

Dispose of in accordance with the European Directives on waste and hazardous waste. Dispose of in accordance with local regulations. Where possible recycling is preferred to disposal or incineration. 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. 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

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 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/NDL - 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

### 15.2. Chemical Safety Assessment

#### EUROPEAN REGULATIONS

- EC labelling

- R Phrase(s) None

- S Phrase(s) None

## 16. OTHER INFORMATION

R41 - Risk of serious damage to eyes

R38 - Irritating to skin

R62 - Possible risk of impaired fertility

R51/53 - Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R50/53 - Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

R36/38 - Irritating to eyes and skin

Full text of H-Statements referred to under section 2 and 3

H411 - Toxic to aquatic life with long lasting effects

H318 - Causes serious eye damage

H315 - Causes skin irritation

H400 - Very toxic to aquatic life

H410 - Very toxic to aquatic life with long lasting effects

H319 - Causes serious eye irritation

H361 - Suspected of damaging fertility or the unborn child

### Abbreviations, acronyms

#### Legend Section 8

#### Legend Section 8

+	Sensitizer	Skin designation
**	Hard designation	Carcinogen
M:	Mutagen	Toxic reproduction

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 datasheet