

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

Product name : QUARTZ SMC 5W30

Issue : 01 Version of : 2012-02-13

Revision date: None

PRODUCT LABELS

 LABELLING (standard or EU):
 Not concerned

 R-phrases:
 none

 S-phrases:
 none

TRANSPORT LABELLING: Not applicable.

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

1.1. Product identifier

Product name : QUARTZ SMC 5W30

Number

Hazchem No.:

Pure substance / mixture : Mixture

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

Identified uses Engine Oil

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

For further information, please contact

Contact Point HSE

E-mail Address

Emergency telephones : +91 022 66407700 Fax : +91 022 66407720

2. HAZARDS IDENTIFICATION

The product is not classified as dangerous in accordance with directive 1999/45/EC.

Health effects: This product does not present a danger of intoxication. May cause allergic reactions

Environmental propertiesDo not discharge this product into the environment

Physical-Chemical PropertiesNo specific risk of fire or explosion under normal conditions of use

3. COMPOSITION/INFORMATION ON INGREDIENTS

PREPARATION

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

Substances presenting a health hazard	EC No.	CAS-No	Content	Symbol(s)	R-phrases
Zinc alkyl di- thiophosphate	272-028-3	68649-42-3	<1 %	Xi	R-36, R-38

See section 16 for explanations of R-phrases :

4. FIRST AID MEASURES

IN CASE OF SERIOUS OR PERSISTENT CONDITIONS, CALL A DOCTOR OR EMERGENCY MEDICAL CARE.

Inhalation : Inhalation of heavy concentrations of vapour, fumes or spray, may cause mild

irritation of the throat. Transport the person into fresh air, keep warm and allow to rest.

Ingestion : Possible risk of vomiting and diarrhoea. Do not induce vomiting to avoid the risk of aspiration

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into the respiratory tract. Give nothing to drink

Skin contact : Immediately remove all soiled or stained clothing. Wash the affected area immediately and

repeatedly with soap and water.

Keep eyes open and rinse immediately and repeatedly with water for at least 15 Eye contact:

minutes.

Aspiration : If the product is believed to have entered the lungs (in case of vomiting, for

example), take the person to hospital for immediate care.

5. FIRE-FIGHTING MEASURES

See section 9

5.1. Extinguishing media:

Suitable Extinguishing Media Foam, carbon dioxide (CO2), powder.

Do not use water jets (stick jets) for extinguishing fire, as this may help the spread Unsuitable Extinguishing Media

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. Vapours can build explosive mixtures with air. Vapours are heavier than air

and may spread on the ground to sources of ignition.

5.3. Advice for fire-fighters

Special protective equipment for

fire-fighters

Other information

Insulated breathing apparatus must be worn in confined premises with heavy

concentrations of fumes and gases.

All combustion residues and contaminated water from fire-fighting should be

disposed of according to local regulations.

Remove sources of ignition. Do not smoke.





6. ACCIDENTAL RELEASE MEASURES

See sections 8 and 13.

After spillage / leakage :

Personal protection:

Ensure good ventilation.

- On land:

Surfaces On which the product has been spilled may become slippery. Do not allow the product to enter sewers or rivers or contaminate the soil.

Recover with mechanical means such as pumps and skimmers.

Floating absorbent material, then mechanical recovery.

If the product is spilt into rivers or sewers, notify the authorities of the possible

presence of surface effluent

Spill cleanup methods: Recovery:

Use mechanical means such as pumps, skimmers and absorbent materials.

Hand over contaminated materials to an approved collector - see also section 13.

7. HANDLING AND STORAGE

HANDLING:

Ventilate extensively if the formation of vapours, fumes, mists or aerosol is a risk. Prevention of user exposure : Make all the necessary arrangements in order to reduce exposure risk, notably to

products in use or to wastes. Keep away from combustible substances; keep away from food and

beverages

Empty containers may contain flammable or explosive vapours. Prevention of fire and explosion

There is a fire hazard associated with rags, paper or any other material used to

remove spills which become soaked with product.

Avoid accumulation of these: they are to be disposed off safely after use.

Precautions: Avoid static electricity build up with connection to earth.

Set up machinery and equipment so as to avoid the risk of accidental spills or splashes onto hot machine parts and electrical contacts (on joint failure, for

example).

Technical measures :

STORAGE :

Make the necessary arrangements to prevent water and soil pollution.

Storage precautions:

Store at ambient temperature, protected against contact with water and moisture, and away

from any source of ignition. Keep containers closed when not in use

- To be avoided:

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Do not store exposed to the elements.

Incompatible products: Dangerous reaction with strong oxidizing agents.

Packaging materials: - Recommended:

Use only hydrocarbon-resistant containers, joints, pipes, etc.

Keep in original container if possible.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Technical measures: Use the product in a properly ventilated atmosphere.

When working on enclosed place (tanks, reservoirs...), make sure that atmosphere is not

suffocating and/or wear recommended equipment.

oil mist: 10 mg/m3, for 15 mins - Occupational exposure limit oil mist: 5 mg/m3, for 8 hrs

See section 16

Legend

Hand protection: Impermeable hydrocarbon-proof gloves. recommended material: nitrile, neoprene. The break

through times of the same type of glove of different manufacturers can be very different - even $% \left(1\right) =\left\{ 1\right\} =\left\{$ if the layer thickness is similar. Therefore the break through times have to be found out from the $manufacturer\ of\ the\ protective\ gloves\ themselves.\ The\ demands\ on\ the\ gloves\ are\ determined$ by the conditions in practice (e.g. multiple use, mechanical load, temperature, strength and duration of exposition). Before choosing suitable gloves, it is recommended that the user tests

the gloves.

Eye protection: Goggles, in case of risk of splashing.

As required, wear a face mask, hydrocarbon-proof clothing, and safety boots (when handling Skin and body (other than the hands) protection :

drums). Don't wear rings, watches or anything similar which can retain the product and may give

rise to skin conditions







Industrial hygiene

Avoid prolonged and repeated contact with the skin, especially with used or waste product

Immediately remove all soiled or stained clothing.

If the product comes in contact with the skin, wash the affected area immediately and repeatedly

with soap and water

Use no abrasives, solvents or petroleum spirit

Do not use clothes stained with the product to dry hands

Don't put the product-soaked rags in the pockets of working clothes

Do not eat, drink, or smoke while handling the product

9. PHYSICAL AND CHEMICAL PROPERTIES (to be edited)

Appearance : Liquid

Colour : Yellow to amber Odour Characteristic Density/specific gravity: 862 kg/m3 Temperature (°C) 15

Flash point : > 200 °C OC (Open cup)

Température d'auto-inflammation : > 250 °C (ASTM E 659-78)

Comments on auto ignition temperature : This temperature may be significantly lower under particular conditions (slow

oxidation on finely divided materials...).

Insoluble in water. Solubility:

Soluble in many common solvents.

Partition coefficient (log Pow): Log Pow (Mineral oil) > 6

Temperature (°C) 20 Viscosity: 9.8- 12.0 mm2/s Temperature (°C) 100

10. STABILITY AND REACTIVITY

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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 oxidizers

Hazardous decomp. products : Incomplete combustion and thermolysis produces potentially toxic gases such as carbon

monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot.

11. TOXICOLOGICAL INFORMATION

Acute toxicity / Local effect :

Inhalation, comments: Not classified according to the criteria of classification in force.

Inhalation of high concentrations of vapour or aerosols may cause irritation of the upper

respiratory tract.

Skin contact, comments: Not classified according to the criteria of classification in force.

In case of ingestion, comments: In case of ingestion of small quantities, no important effect observed. in case of

ingestion of larger amounts: abdominal pain, diarrhea, ...

CHRONIC TOXICITY OR LONG-TERM TOXICITY

Skin contact : Characteristic skin affections (oil blisters) may develop following prolonged and

repeated exposure through contact with stained clothing

Sensitization : Contains a sensitising substance

May cause an allergic reaction

Carcinogenicity: 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.

12. ECOLOGICAL INFORMATION

Comments about ecotoxicity: Experimental data on the finished product are not available.

It is considered to present a little danger for a quatic life. $% \label{eq:little}$

no information available for used product

Mobility: - Ai

there is a slow loss by evaporation.

- 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

Persistence and degradability: No experimental information about the finished product.

The product should offer slow biodegradability

13. DISPOSAL CONSIDERATIONS

Waste disposal : Dispose of in a safe manner, in accordance with local regulations.

If need be, collection by an authorised waste contractor and regeneration or

incineration at an approved installation.

Waste class: 13 02 05

The waste classification is dependant on the composition of the product at the time of disposal. The waste classification mentioned here represents only a recommendation. The waste producer is responsible for the correct specification of the waste. The specification of the waste

classification should be in arrangement with the authorised waste disposal company.

Disposal of contaminated packaging : Proceed in c

National regulations :

Proceed in compliance with the prevailing regulations.

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

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15. REGULATORY INFORMATION

Risk phrases : None

Safety phrases : None
Other : - Contains:

Long chain alkaryl Calcium sulphonate Polyolefin polyamine succinimide May produce an allergic reaction

EU directives: Hazardous preparations directive 1999/45/EC modified (Directive 2001/60/EC).

Social Security code : Labor code :

16. OTHER INFORMATION

Explanations of R-phrases in section 2: R-53 May cause long-term adverse effects in aquatic environments.

R-41 Risk of serious damage to eye.

R-51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the

aquatic environment.

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

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