

Safety Data Sheet

TOTAL QUARTZ RACING 10W50

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SDS N° P181-0000516-88

Version : 1

Date : 16/05/2000

PRODUCT LABELS

LABELLING (standard or EU) Not applicable
TRANSPORT LABELLING : Not applicable

1. Product and company identification

Commercial name: TOTAL QUARTZ RACING 10W50
Product application: Synthetic multigrade motor oil for gasoline engines
Company name: TOTAL RAFFINAGE DISTRIBUTION
Address: Tour TOTAL 24 cours Michelet
92069 PARIS LA DEFENSE 10
FRANCE
Telephone: 01.41.35.40.00
Telex/fax: Telex : 615 700F
Fax : 01.41.35.84.71

see local address below this page

Emergency phone numbers in France:

-
01.40.05.48.48 / HOPITAL FERNAND WIDAL 200 , rue du faubourg St Denis
75475 PARIS Cédex 10
04.72.11.00.12 / HOPITAL EDOUARD HERRIOT 5, Place d'Arsonval
69437 LYON Cédex 3
- ORFILA (FRANCE) : +33.(1) 41.42.59.59
- BELGIUM : +32.(0) 70/245.245
- GB: +44.(0)1372.726226 (in the UK, regulations place the responsibility for emergency response on the Company who markets the product.)

2. Composition / information on ingredients

PREPARATION

Chemical nature: Product with a synthetic base
Substances contributing to hazards : Zinc alkyl di-thiophosphate (Xi ; R 36/38) ... about 1 %
Impurities contributing to hazards: None to our knowledge

3. Hazard identification

- Adverse human health effects : Under normal conditions of use, the product holds no danger of intoxication
- Environmental effects : Don't rejet this product into the environment

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- physical and chemical hazards : No specific risk of fire or explosion under normal conditions of use

4. First-aid measures

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

Route of exposure :

- 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
- Contact with the skin : Immediately remove all soiled or stained clothing.
Wash the affected area immediately and repeatedly with soap and water.
- Contact with the eyes : Keep eyes open and rinse immediately and repeatedly with water for at least 15 minutes
- Ingestion : Possible risk of vomiting and diarrhoea
Do not induce vomiting to avoid the risk of aspiration into the respiratory tract
Give nothing to drink
- 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

- Flash point: See heading 9
- Fire extinguishers:
 - suitable : Foam, carbon dioxide (CO₂), powder
 - not suitable : Water under strong pencil like jet forbidden
- Specific hazards: Incomplete combustion and thermolysis produce toxic gases such as CO, CO₂, various hydrocarbons, aldehydes and soot. These are highly dangerous if inhaled
- Firefighter protection: An insulated breathing apparatus must be worn in confined premises with heavy concentrations of fumes and gases

6. Accidental release measures

See also heading 8 and 13

After spillage / leakage

- on soil Surfaces on which the product has been spilled may become slippery
Avoid discharge of the material in a stream or a sewer or cause ground contamination.
recovery by physical means
Contain and collect the spilled product with sand or any other inert material.
In the event of a major spill, inform the competent authorities if the situation cannot be brought under control rapidly and efficiently

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Personal protective equipment

- Hand protection: Impermeable hydrocarbon-proof gloves
recommended material: nitrile , neoprene
- Eye protection: Goggles, in case of splashing
- Skin and body protection: As required, wear a face mask, hydrocarbon-proof clothing, and safety boots (when handling drums)
Don't wear ring, watch or similar thing which will be able to hold the product and may give rise to some skin diseases

Industrial hygiene

- Avoid prolonged and repeated contact with the skin, especially with used or waste lubricants
- Immediately remove all soiled or stained clothing.
- If the product comes into 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 cloths 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

- Appearance:
 - Physical state: Clear liquid
 - Colour: Yellow to amber
- Odour: Characteristic odour of oil
- pH: Not applicable
- Specific temperatures of change in state
- Flash point: $\geq 220^{\circ}\text{C}$ (under ISO 2592)
- Auto-ignition temperature: $> 250^{\circ}\text{C}$ (ASTM E 659). This temperature may be significantly lower under particular conditions (oxidation on high surface areas)
- Explosion limits: Not applicable
- Density: About 859kg/m³ at 15°C
- Solubility:
 - in water: Insoluble and immiscible
 - in organic solvents: Soluble in many common solvents
 - Viscosity: Kinematic viscosity at 100°C: about 17 mm²/s

10. Stability and reactivity

- Stability: The product is stable under normal temperatures of storage, handling and use

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Dangerous reactions:	Not dangerous reaction known under normal conditions of use, to refer to the technical notice
- Conditions to avoid:	Heat (temperatures above flash point), sparks, ignition points, flames, static electricity
- Materials to avoid:	Avoid contact with strong oxidizing
Dangerous decomposition products:	Incomplete combustion and thermolysis produce more or less toxic gases such as CO, CO ₂ , various hydrocarbons, aldehydes and soot

11. Toxicological information

ACUTE TOXICITY/LOCAL EFFECTS

- Inhalation:	Risk is improbable under normal conditions of use Inhalation of important concentration of vapour or aerosols may cause irritation of the upper respiratory tract.
- Contact with the skin:	Risk is improbable under normal conditions of use
- Ingestion:	In case of ingestion of small quantities, no important effect observed. in case of ingestion of larger amounts: abdominal pain, diarrhoea, ...

SENSITIZATION

To our knowledge, the product dont induce sensitization

CHRONIC TOXICITY OR LONG-TERM TOXICITY

- Contact with the skin:	Characteristic skin affections (oil blisters) may develop following prolonged and repeated exposure through contact with stained clothing
- Carcinogenicity :	this product is not regarded as 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 repated 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

Mobility:	
- Air:	there is a slow loss by evaporation.
- Ground:	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:	Experimental data on the finished product are not available
Ecotoxicity:	The virgin product is considered to present no danger for land-growing organisms and little danger for aquatic life. No data are currently available for the used product

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13. Disposal considerations

Waste disposal :	Dispose in a safe manner in accordance with local/national regulations If need be, collection by an authorized waste contractor and regeneration or incineration in an approved installation
Used packaging disposal :	Conform to the regulation in effect
Industrial waste number EU :	13-02-02 (non-chlorinated engine, gear, lubricating oils)
Local regulations:	FRANCE : Notice concerning the nomenclature of waste of 11.11.97 Law N° 75633 of 15.07.75 amended, concerning the disposal of waste and the recycling of waste materials Relating regulation of the recovery of used oils : Law N° 79-981 of 21.11.79; decree of 28.01.99, concerning collection and conditions of disposal Law N° 88-1261 of 30.12.1988; decree N° 90-267 of 23.03.1990 concerning the import, export and transit of waste; Decrees N°77-254 of 08.03.1977. Regulation concerning the discharge of oil and lubricants into surface water

14. Transport information

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

15. Regulatory information

EUROPEAN REGULATIONS

- EC labelling	
- Symbol(s)	None
- R Phrases	None
- S Phrases	None

NATIONAL REGULATIONS

FRANCE

- Social Security code :	. Art. L.461-6, Art. D.461-1, Appendix A, N° 15 - 601 Table of occupational illnesses and diseases: N° 34 - 36
- Labour code :	. Art. R.241-50, Order of 11.07.1977

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16. Other information

This data sheet conforms to standards defined by directive 93/112/EEC

Date of current version: 16/05/2000

Supersedes previous Safety Data Sheet of:

"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 our knowledge at the date indicated hereabove.

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 or her 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 fulfill 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 document.

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