

MATERIAL SAFETY DATA SHEET



Date issued: 27/05/2003

Date revised: 08/08/2008

Our reference:

Supplier reference:

Directive 91/155/EEC

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY

1.1 Identification of the substance or preparation:

Product name: SUNOCO Sundex 790

1.2 Use of the substance or preparation:

Rubber process oil

1.3 Company/undertaking identification:

Petronas Lubricants Belgium NV
Ingberthoeveweg 4
2630 Aartselaar
Belgium
Phone: +32 – (0)3 – 458 12 30
Fax: +32 – (0)3 – 458 14 78
E-mail : tcs@be.petronas.com

1.4 Emergency telephone:

Poisons Centre
Rue Bruynstraat
B -1120 Brussel / Bruxelles
Belgium
Phone: +32 – (0)70 – 245 245

2. HAZARDS IDENTIFICATION

May cause cancer
Also, danger of serious damage top health by prolonged exposure in contact with skin
Repeated exposure may cause skin dryness or cracking
May cause long term adverse effects in aquatic environment

3. COMPOSITION / INFORMATION ON INGREDIENTS

Components	EC nr	CAS no	Weight %	Symbol	R - phrases
Distillate aromatic extract	265-103-7	64742-04-7	20...100	T	R45, R48/21, R66, R53
Residual aromatic extract (petroleum)	265-110-5	64742-10-5	0...80		R53
Severely refined mineral oil (IP 346 DMSO extract <3%)	265-169-7	64742-65-0	0...20		



4. FIRST AID MEASURES

Inhalation:

In case of inhalation of fumes, terminate the exposure and go in de fresh ai
Inhalation of fumes, vapours or aerosols can cause slight irritation of the re

Ingestion:

If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.
Do not give water.

Skin contact:

Remove contaminated clothing and wash thoroughly the skin with soap or detergent and water.
Wash thoroughly the skin with water and soap.

Eye contact:

Flush thoroughly with running water during 15 minutes (including under eyelids).

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:

CO2 , foam or dry chemicals.

Extinguishing media which must not be used for safety reasons:

Do not use water. Use water only to keep fire-exposed containers cool.

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:

Smoke and carbone monoxide may be formed in the event of incomplete combustion.

Special protective equipment for fire-fighters:

Wear an approved autonomous breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:

Wear suitable gloves. Avoid skin contact.

Environmental precautions:

Prevent this product from entering into contact with surface waters

Methods for cleaning up:

To clean the floor and all objects contaminated by this material, use sand, active clay .

7. HANDLING AND STORAGE

7.1 Handling

A sufficient ventilation must guarantee an exposure which do not exceed the acceptable limit.
Keep away from combustible material. Keep away from food, drink and animal feeding stuffs.
Take precautionary measures against static discharges.

7.2 Storage

Keep away from sources of ignition - No smoking. Avoid high temperatures and humidity.
Store in a closed packing and away from heath sources. Keep container tightly closed and dry.
Do not store or mix with strong oxidants.

7.3 Specific use(s)

8. EXPOSURE CONTROLS / PERSONAL PROTECTION



8.1 Exposure limit values

Sufficient ventilation should be provided in order to maintain fumes concentration below the occupational exposure limit.

8.2 Exposure controls

8.2.1 Occupational exposure controls

8.2.1.1 Respiratory protection:

Inhalation of vapours or fumes has to be avoided through accurate ventilation and safe working circumstances.

8.2.1.2 Hand protection:

Wear rubber gloves.

8.2.1.3 Eye protection:

Wear safety glasses if eye contact is possible.

8.2.1.4 Skin protection:

Overall, or similar full-body work clothes, gloves and shoes.

8.2.2 Environmental exposure controls

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

Appearance:	Opaque
Odour:	Characteristic

9.2 Important health, safety and environmental information

pH:	Neutral
Boiling point / boiling range:	Initial boiling point > 250°C
Flash point:	> 150°C (ASTM D93)
Flammability (solid, gas):	Not applicable
Explosive properties:	Not known

Oxidizing properties:	Not applicable
Vapour pressure:	<0,01 kPa (20°C)
Relative density:	1,00 (15°C)
Solubility: - watersolubility:	Not soluble in water
Solubility: - fatsolubility (solvent-oil):	Not known
Partition coefficient (n-octanol/water):	4-6

9.3 Other information

Miscibility:	Not applicable
Conductivity:	Not applicable
Melting point / melting range:	-6 / +21 °C
Gas group:	Not applicable
Auto-ignition temperature:	>250°C
Other data:	Sulphur content: 4 – 5,5 %



10. STABILITY AND REACTIVITY

- 10.1 Conditions to avoid:** Keep away from heat sources, () sources of ignition.
- 10.2 Materials to avoid:** Avoid contact with strong oxidizing agents.
- 10.3 Hazardous decomposition products:** Incomplete burning can cause formation of dangerous gasses like CO, CO₂, different KWS, aldehyde and also soot.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

Inhalation of dust or smoke may cause irritation of the respiratory tract. Slight irritation possible.
Low odour of acute/systematic toxicity.
Prolonged and repeated contact can degrease the skin and cause dermatitis at the end.

CHRONIC TOXICITY

Baseoils of the same composition and refining methods did not show any carcinogenic activities with guinea-pigs.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

Expected to be harmful to aquatic organisms

Aquatic organisms, Algea IC50 (72 h):	Unknown
Aquatic organisms, Daphnia magna EC50 (48h):	Unknown
Aquatic organisms, Fish LC50 (96h):	Unknown
Plants and terrestrial animals:	Unknown
Soil organisms:	Unknown
Impact on sewage treatment plants:	Unknown

12.2 Mobility:

Known or predicted distribution to environmental compartments:
Not applicable

Surface tension: Not applicable
Absorption/adsorption: Low mobility in the soil. Some components can enter the soil and pollute the groundwater. Spreading over the water surface.

12.3 Persistence and degradability:

Not easily biodegradable.

12.4 Bioaccumulative potential:

Not applicable

12.5 Other adverse effects:

Ozone depletion potential:	Not applicable
Photochemical ozone creation potential:	Not applicable
Global warming potential:	Not applicable

13. DISPOSAL CONSIDERATIONS

Waste disposal methods must comply with national and local disposal or discharge laws.

14. TRANSPORT INFORMATION

UN - number:

PRODUCT IS NOT CLASSIFIED



Proper shipping name:

IMDG

Class:

Other applicable information:

Marine pollutant:

ADR

Class:

Other applicable information:

RID

Class:

Other applicable information:

ICAO/IATA

Class:

Other applicable information:

15. REGULATORY INFORMATION

This Safety Data Sheet has been established in accordance with E. C. Directive nr. 91/155/ECC

Danger symbol:



T

Risk - sentences:

R45

May cause cancer

R48/21

Also, danger of serious damage to health by prolonged exposure in contact with skin

R66

Repeated exposure may cause skin dryness or cracking

R53

May cause long term adverse effects in aquatic environment

Safety - sentences:

S53

Avoid exposure – obtain special instruction before use

S45

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

S36/37

Wear suitable protective clothing and gloves

S61

Avoid release to the environment. Refer to special instructions/ safety data sheets

Please refer to any other national regulations that may be applicable for this product.

Other regulatory information:

No EC exposure limit established

16. OTHER INFORMATION



Training advice:

Recommended restrictions on use:

Further information (written references and/or technical contact point):

R45 May cause cancer

R48/21 Also, danger of serious damage to health by prolonged exposure in contact with skin

R53 Repeated exposure may cause skin dryness or cracking

R48/21 May cause long term adverse effects in aquatic environment

Source of key data used to compile the data sheet:

Information added, deleted or revised:

These data are based upon our knowledge at this moment. It is however no guarantee for product properties and do not have a contractual agreement.

The buyer assumes all risk in connection with the use and handling of the material.

The seller assumes no responsibility or liability in connection with the information supplied in this sheet or for any damage or injury caused by the material; reasonable safety procedures should be followed.

The seller assumes no responsibility for injury or damage caused by use of the material, even if reasonable safety procedures are followed.

The information contained in this sheet is developed from what is believed to be accurate and reliable sources but the seller makes no warranties, either expressed or implied and assumes no responsibility for the accuracy or completeness of the data contained herein.