

MATERIAL SAFETY DATA SHEET

Sunfood SI

Date issued: 01/02/2008

Date revised: 01/02/2008



Directive 91/155/EEC

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

1.1 Identification of the substance or preparation:

Product name: Sunfood SI

1.2 Use of the substance or preparation:

Lubricating spray for the food processing industry

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 address: tcs@sunoco.be

1.4 Emergency telephone:

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

2. HAZARDS IDENTIFICATION

Extremely flammable.
Dangerous for the environment

3. COMPOSITION / INFORMATION ON INGREDIENTS

Components	EC no	CAS no	Weight %	Symbol	R-phrases
Propane	200-827-9	74-98-6	20 ... 25	F+	12
Butane	203-448-7	106-97-8	12.5 ... 20	F+	12
Isobutane	200-857-2	75-28-5	12.5 ... 20	F+	12
Pentane	203-692-4	109-66-0	25 ... 50	Xn,F+	12-51/53-65-66-67
Aliphatic hydrocarbons			>=30		

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4. FIRST AID MEASURES

Inhalation:

In case of inhalation of fumes, terminate the exposure and go in de fresh air immediately.

Ingestion:

If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

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 jet.

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

Smoke and carbon 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:

Avoid contact with skin and eyes.
Take off immediately all contaminated clothing.

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 .

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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.

Store in a closed packing and away from heath sources.

Avoid temperatures higehr than 50°C and humidity.

Keep container tightly closed and dry.

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 in the air bellow the occupational exposure limit.

8.2 Exposure controls

8.2.1 Occupational exposure controls

8.2.1.1 Respiratory protection:

Not applicable

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

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9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

Appearance: Aerosols
Odour: Characteristic

9.2 Important health, safety and environmental information

pH: Not applicable
Boiling point / boiling range: Not applicable
Flash point: <0°C
Explosive properties: LEL : 0.6 vol % ; UEL : 10.9 vol %

Oxidizing properties: Not applicable
Vapour pressure: 3500 hPa (2625 mm Hg)
Relative density: Density : approx 0.609
Solubility: - water solubility: Fully miscible
Solubility: - fat solubility (solvent-oil): Soluble in most common solvents
Partition coefficient (n-octane/water): Not applicable

9.3 Other information

Miscibility: Not applicable
Conductivity: Not applicable
Melting point / melting range: Not applicable
Gas group: Not applicable
Auto-ignition temperature: Product is not selfigniting
Other data: Organic solvents : 90%

10. STABILITY AND REACTIVITY

10.1 Conditions to avoid: Keep away from heat sources, open flames and other sources of ignition.

10.2 Materials to avoid: Avoid contact with strong oxidants.

10.3 Hazardous decomposition products: No decomposition if used according specifications.

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11. TOXICOLOGICAL INFORMATION

Acute toxicity :

- 106-97-8 Butane

LC50 / 4h

658 mg/l (rat)

- 109-66-0 Pentane

Oral LD50

> 16000 mg/kg (rat)

Dermal LD50

> 2500 mg/kg (rat)

> 5000 mg/kg (rabbit)

LC50 / 4h

> 100 mg/l (rat)

Inhalation :

Inhalation of oil mist may cause irritation, headaches, nausea and breathing difficulties.

Skin contact :

May be irritating on protracted or repeated exposure.

Eye contact :

May cause irritation/smartering.

Ingestion :

May cause discomfort.

12. ECOLOGICAL INFORMATION

12.1 Ecotoxicity:

- Aquatic toxicity :

109-66-0 Pentane

EC50 / 48h

9.7 mg/l (daphnia magna)

12.2 Mobility:

Known or predicted distribution to environmental compartments:

Low range of mobility in the soil. Some components can penetrate the soil and cause pollution of the ground water.

Surface tension:

Not applicable

Absorption/adsorption:

Not applicable

12.3 Persistence and degradability:

Not easily biodegradable.

12.4 Bio accumulative potential:

Unknown

13. DISPOSAL CONSIDERATIONS

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

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14. TRANSPORT INFORMATION

UN - number:	1950
IMDG	Class : 2.1 Label : 2.1 EMS-number : F-D, S-U Marine pollutant : No Proper shipping name : AEROSOLS
ADR/RID	Class : 2 5F Gases Danger code (Kemler) : 23 Hazard label : 2.1 Description of goods : 1950 AEROSOLS
ICAO/IATA	Class : 2.1 UN/ID Number : 1950 Label : 2.1 Proper shipping name : AEROSOLS, flammable

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15. REGULATORY INFORMATION

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

Danger symbol:



F+



N

Risk - sentences: 12 – 52/53 – 66 – 67
R12 Extremely flammable
R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

Safety - sentences: 2 – 23 – 26 – 46 – 51 – 56
2 Keep out of the reach of children.
23 Do not breathe aerosols.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advise.
46 If swallowed, seek medical advise immediately and show this container or label.
51 Use only in well-ventilated areas.

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

Other regulatory information:

Pressurized container: protect from sunlight and do not expose to temperature exceeding 50°C.
Do not pierce or burn, even after use.
Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition – No smoking. Build up explosive mixtures possible without sufficient ventilation. Keep out of the reach of children.

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16. OTHER INFORMATION

Training advice:

Recommended restrictions on use:

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

R12 : Extremely flammable

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

R65 : Harmful: may cause lung damage if swallowed.

R66 : **Repeated exposure may cause skin dryness or cracking.**

R67 : Vapours may cause drowsiness and dizziness.

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.