

# MATERIAL SAFETY DATA SHEET

Sunoco Ecovis S46

Date issued: 24/08/2004

Date revised: 28/08/2008



Directive 91/155/EEC

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

### 1.1 Identification of the substance or preparation:

**Product name:** Sunoco Ecovis S46

### 1.2 Use of the substance or preparation:

Hydraulic 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

Injurious consequences on health : under normal conditions this product is not harmful.

# MATERIAL SAFETY DATA SHEET

Sunoco Ecovis S46

Date issued: 24/08/2004

Date revised: 28/08/2008



## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Components	EC nr	CAS no	Weight %	Symbol	R - phrases
Long-chain alkenyl amine	Confidentieel	Confidentieel	0 ... 0,1	Xn;N	22-35-50
Alkyl fosponate	Confidentieel	Confidentieel	0 ... 0,05	Xi;N	38-41-51/53
Alkyl dithiothiadiazole	Confidentieel	Confidentieel	0 ... 0,01	Xi	43
Long chain alkyl acid	Confidentieel	Confidentieel	0 ... 0,05	Xi	38-41
Long chain alkyl ester	Confidentieel	Confidentieel	0 ... 0,05	Xi	38-41
Alkyl phenol	Confidentieel	Confidentieel	0 ... 0,3	N	50/53
Alkyl phosphate	Confidentieel	Confidentieel	0 ... 0,05		34

## 4. FIRST AID MEASURES

### Inhalation:

In case of inhalation of fumes, terminate the exposure and go in de fresh air immediately.  
Inhalation of fumes, vapours or aërosols can cause slight irritation of the respirations ways.

### 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:

CO<sub>2</sub> , 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 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.

# MATERIAL SAFETY DATA SHEET

Sunoco Ecovis S46

Date issued: 24/08/2004

Date revised: 28/08/2008



## 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 .

## 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 high temperatures and humidity.

Keep container tightly closed and dry.

### **7.3 Specific use(s)**

# MATERIAL SAFETY DATA SHEET

Sunoco Ecovis S46

Date issued: 24/08/2004

Date revised: 28/08/2008



## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### 8.1 Exposure limit values

Sufficient ventilation should be provided in order to maintain fumes concentration in the air 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

# MATERIAL SAFETY DATA SHEET

Sunoco Ecovis S46

Date issued: 24/08/2004

Date revised: 28/08/2008



## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 General information

Appearance:	Liquid
Odour:	Petroleum hydrocarbon odour

### 9.2 Important health, safety and environmental information

pH:	Not applicable
Boiling point / boiling range:	Not applicable
Flash point:	> 200°C
Flammability (solid, gas):	Not applicable
Explosive properties:	
Oxidizing properties:	Not applicable
Vapour pressure:	Not applicable
Relative density:	Density : approx 0.900
Solubility: - watersolubility:	insoluble in water
Solubility: - fatsolubility (solvent-oil):	insoluble in water
Partition coefficient (n-octanol/water):	Not applicable

### 9.3 Other information

Miscibility:	Mixes with similar oils.
Conductivity:	Not applicable
Melting point / melting range:	Not applicable
Gas group:	Not applicable
Auto-ignition temperature:	> 300°C
Other data:	

## 10. STABILITY AND REACTIVITY

- |   |  |
|---|--|
| <b>10.1 Conditions to avoid:</b>              | Keep away from heat sources, open flames and other sources of ignition.  |
| <b>10.2 Materials to avoid:</b>               | Avoid contact with strong oxidants.  |
| <b>10.3 Hazardous decomposition products:</b> | Incomplete burning can cause formation of dangerous gasses like CO, CO <sub>2</sub> , different KWS, aldehyde and also soot. |

# MATERIAL SAFETY DATA SHEET

Sunoco Ecovis S46

Date issued: 24/08/2004

Date revised: 28/08/2008



11.

## ACUTE TOXICITY

Inhalation of dust or smoke may cause irritation of the respiratory tract.

Low odour of acute/systematic toxicity.

Prolonged and repeated contact can degrease the skin and cause dermatitis at the end.

Slight irritation possible.

## CHRONIC TOXICITY

Unknown

## 12. ECOLOGICAL INFORMATION

### 12.1 Ecotoxicity:

Aquatic organisms, Algea IC50 (72 h): Unknown

Aquatic organisms, Daphnia magna EC50

(48h):

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:

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:

Easily biodegradable.

### 12.4 Bioaccumulative potential:

Baseoil components are probably not dangerous for waterorganisms. Some additives may be dangerous for the aquatic environment.

### 12.5 Other adverse effects:

Ozone depletion potential: Not applicable

Photochemical ozone creation potential: Not applicable

Global warming potential: Not applicable

13.

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

# MATERIAL SAFETY DATA SHEET

Sunoco Ecovis S46

Date issued: 24/08/2004

Date revised: 28/08/2008



14.

**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.

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

Danger symbol:

Risk - sentences:

Safety - sentences:

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

**Other regulatory information:**

No R or S senses applicable

# MATERIAL SAFETY DATA SHEET

Sunoco Ecovis S46

Date issued: 24/08/2004

Date revised: 28/08/2008



16.

## Training advice:

## Recommended restrictions on use:

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

FULL TEXT OF RISK PHRASES APPEARING IN SECTION 2

R 22 : Harmfull if swallowed

R 34 : causes burns

R 35 : Causes severe burns.

R 38 : Irritating to the skin.

R 41 : Risk of serous eye damage.

R 43 : May cause sensitisation by skin contact.

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

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