

# Material Safety Data Sheet

## According to 91/155 EEC

Printing date 09.12.2004

Revision 08.12.2004

### 1 Identification of the substance/preparation and of the company/undertaking

- **Product details**
- **Code:** Complex fuel conditioner
- **Article number:** XP0002
- **Manufacturer/Supplier:** -
- **Further information obtainable from:** Product safety department.

### 2 Composition/information on ingredients

- **Chemical characterization**
- **Description:** Mixture of substances listed below with nonhazardous additions.

· **Dangerous components:**

CAS: 64742-47-8 EINECS: 265-149-8	Distillates (petroleum), hydrotreated light ☒ Xn; R 65-66	25-50%
	petroleumnafta ☒ Xn, ☒ N; R 10-36/38-51/53-65	10-25%
	gepropoxyleerd alcohol R 52	2.5-10%
	hydrocarbyl amine R 52/53	2.5-10%
	naftaleen ☒ Xn; R 22-38	=< 2.5%
	1,2,4-trimethylbenzeen ☒ Xn, ☒ N; R 10-20-36/37/38-51/53	=< 2.5%
	alkylaminoester ☒ Xi, ☒ N; R 38-41-43-51/53	=< 2.5%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

### 3 Hazards identification

- **Hazard description:**



Xn Harmful

- **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 65 Harmful: may cause lung damage if swallowed.

- **Classification system:**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

GB

(Contd. on page 2)

# Material Safety Data Sheet

## According to 91/155 EEC

Printing date 09.12.2004

Revision 08.12.2004

Code: Complex fuel conditioner

(Contd. of page 1)

### 4 First-aid measures

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.

### 5 Fire-fighting measures

- **Suitable extinguishing agents:**  
CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:** No special measures required.

### 6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**  
Do not allow product to reach sewage system or any water course.  
Inform respective authorities in case of seepage into water course or sewage system.  
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.

### 7 Handling and storage

- **Handling:**
- **Information for safe handling:**  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.
- **Information about fire - and explosion protection:**  
Keep ignition sources away - Do not smoke.  
Protect against electrostatic charges.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.

(Contd. on page 3)

GB

# Material Safety Data Sheet

## According to 91/155 EEC

Printing date 09.12.2004

Revision 08.12.2004

**Code: Complex fuel conditioner**

(Contd. of page 2)

- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Wash hands before breaks and at the end of work.
- **Respiratory protection:**  
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling

### 9 Physical and chemical properties

#### · General Information

<b>Form:</b>	Fluid
<b>Colour:</b>	According to product specification
<b>Odour:</b>	Characteristic

#### · Change in condition

**Melting point/Melting range:** Undetermined.  
**Boiling point/Boiling range:** 190°C

· **Flash point:** 68°C

· **Ignition temperature:** 200°C

· **Self-igniting:** Product is not selfigniting.

· **Danger of explosion:** Product does not present an explosion hazard.

#### · Explosion limits:

<b>Lower:</b>	0.5 Vol %
<b>Upper:</b>	6.5 Vol %

· **Vapour pressure at 20°C:** 2 hPa

· **Density at 20°C:** 0 g/cm<sup>3</sup>

· **Solubility in / Miscibility with water:**

Not miscible or difficult to mix.

(Contd. on page 4)

GB

# Material Safety Data Sheet

## According to 91/155 EEC

Printing date 09.12.2004

Revision 08.12.2004

Code: Complex fuel conditioner

(Contd. of page 3)

- **Solvent content:**
- **Organic solvents:** 0.0 %

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known.
- **Dangerous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** No sensitizing effects known.
- **Additional toxicological information:**  
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:

### 12 Ecological information

- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **General notes:**  
Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water  
Do not allow product to reach ground water, water course or sewage system.  
Danger to drinking water if even small quantities leak into the ground.  
Harmful to aquatic organisms

### 13 Disposal considerations

- **Product:**
- **Recommendation**  
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -

(Contd. on page 5)

GB

# Material Safety Data Sheet

## According to 91/155 EEC

Printing date 09.12.2004

Revision 08.12.2004

Code: Complex fuel conditioner

(Contd. of page 4)

· **Maritime transport IMDG:**· **IMDG Class:** -· **Marine pollutant:** No· **Air transport ICAO-TI and IATA-DGR:**· **ICAO/IATA Class:** -

### 15 Regulatory information

· **Labelling according to EU guidelines:**

The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials.

· **Code letter and hazard designation of product:**

Xn Harmful

· **Hazard-determining components of labelling:**

Distillates (petroleum), hydrotreated light petroleumnafta

· **Risk phrases:**

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

65 Harmful: may cause lung damage if swallowed.

· **Safety phrases:**

2 Keep out of the reach of children.

13 Keep away from food, drink and animal feedingstuffs.

16 Keep away from sources of ignition - No smoking.

23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

46 If swallowed, seek medical advice immediately and show this container or label.

· **Special labelling of certain preparations:**

Contains alkylaminoester. May produce an allergic reaction.

· **National regulations:**· **Waterhazard class:** Water hazard class 2 (Self-assessment): hazardous for water.

### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant R-phrases**

10 Flammable.

20 Harmful by inhalation.

22 Harmful if swallowed.

36/37/38 Irritating to eyes, respiratory system and skin.

(Contd. on page 6)

GB

**Material Safety Data Sheet**  
**According to 91/155 EEC**

Printing date 09.12.2004

Revision 08.12.2004

**Code: Complex fuel conditioner**

(Contd. of page 5)

- 36/38    *Irritating to eyes and skin.*  
38       *Irritating to skin.*  
41       *Risk of serious damage to eyes.*  
43       *May cause sensitisation by skin contact.*  
51/53   *Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*  
52       *Harmful to aquatic organisms.*  
52/53   *Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*  
65       *Harmful: may cause lung damage if swallowed.*  
66       *Repeated exposure may cause skin dryness or cracking.*

· **Department issuing MSDS:** -· **Contact:** -

GB