



# Safety Data Sheet according to Regulation (EU) No. 1907/2006

## EUROLUB EAP111+ Engine Flush

Print date: 06.02.2013

Product code: 1303

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### Precautionary statements

|           |   |
|-----------|---|
| P101      | If medical advice is needed, have product container or label at hand.                             |
| P102      | Keep out of reach of children.  |
| P301+P310 | IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.                               |
| P331      | Do NOT induce vomiting.   |
| P405      | Store locked up.  |
| P501      | Do not discharge into drains or the environment, dispose to an authorised waste collection point. |

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Chemical characterization

|                              |                     |
|------------------------------|---------------------|
| Anti Friction Components     | Sum of ingredients: |
| Detergents, Dispersants      | 30 - 58 %           |
| Synthetic agent combinations |                     |
| corrosion preventing agent   |                     |

#### Hazardous components

| EC No      | Chemical name   | Quantity   |
|------------|---|------------|
| CAS No     | Classification  |            |
| Index No   | GHS classification  |            |
| REACH No   |   |            |
| 919-164-8  | Distillates (petroleum, gasoline), hydrotreated light     | 95 - 100 % |
| 64742-82-1 | Xn - Harmful R52-53-65-66                                 |            |
|            | Asp. Tox. 1, Aquatic Chronic 3; H304 H412                 |            |
| 287-477-0  | Chlorparaffines C14-C28                                   | 1 - 5 %    |
| 85535-85-9 | N - Dangerous for the environment R50-53-64-66            |            |
|            | Lact., Aquatic Acute 1, Aquatic Chronic 1; H362 H400 H410 |            |

Full text of R and H phrases: see Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### After inhalation

Move victim to fresh air. Put victim at rest and keep warm.

#### After contact with skin

Take off immediately all contaminated clothing, including underwear and shoes .  
Subsequently wash again with: Water and soap.  
Seek medical attention if problems persist.

#### After contact with eyes

Remove contact lenses.  
Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. After ingestion of absorption substances: Consult physician.

#### After ingestion

Let water be swallowed in little sips (dilution effect). Consult physician.  
Do not induce vomiting.

### 4.2. Most important symptoms and effects, both acute and delayed

Frequently or prolonged contact with skin may cause dermal irritation.  
Irritation of eyes: Irritant effect possible.  
After ingestion: Harmful: may cause lung damage if swallowed.

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### **4.3. Indication of any immediate medical attention and special treatment needed**

Warning about danger of aspiration.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Extinguishing powder. Sand. Carbon dioxide (CO<sub>2</sub>). alcohol resistant foam.

#### **Extinguishing media which must not be used for safety reasons**

High power water jet.

### **5.2. Special hazards arising from the substance or mixture**

Formation of decomposition products possible.

In case of fire and/or explosion do not breathe fumes.

### **5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

#### **Additional information**

Cool endangered container in case of fire.

Beat down gas/vapours/mist with water spray.

Contaminated fire-fighting water must be collected separately.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

Wear a self-contained breathing apparatus and chemical resistant suit.

Keep away from sources of ignition. No smoking.

Do not breathe gas/fumes/vapour/spray.

### **6.2. Environmental precautions**

Beat down gas/vapours/mist with water spray.

Do not empty into drains or the aquatic environment.

In case of gas being released or leakage into waters, ground or the drainage system, the appropriate authorities must be informed.

### **6.3. Methods and material for containment and cleaning up**

Prevent spreading of spillages (e.g. by oil barrier).

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents).

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Advice on safe handling**

Material must only be handled in closed installations or systems. Vapours / aerosols must be extracted by suction immediately at point of origin.

Avoid contact with skin and eyes.

#### **Advice on protection against fire and explosion**

Keep away from sources of ignition. No smoking.

Take precautionary measures against static discharges.

### **7.2. Conditions for safe storage, including any incompatibilities**

#### **Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.

Do not store at temperatures over: 50 °C

Take precautionary measures against static discharges.

## **SECTION 8: Exposure controls/personal protection**

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### 8.1. Control parameters

### 8.2. Exposure controls

#### **Protective and hygiene measures**

Take off immediately all contaminated clothing

Do not breathe gas/fumes/vapour/spray.

Avoid contact with skin and eyes.

Keep away from food, drink and animal feeding stuffs.

When using do not eat, drink or smoke.

"Wash hands when done working with material; at breaks, lunch, shift changes, etc."

#### **Respiratory protection**

In case of accumulation of fumes/aerosols, provide adequate ventilation.

In case of fire: Wear self-contained breathing apparatus.

#### **Hand protection**

Tested protective gloves are to be worn: NBR (Nitrile rubber). FKM (Fluoroelastomer (Viton)). (EN374)

#### **Eye protection**

Wear tightly sealed safety glasses against possible splashes into the eyes. (EN 166)

#### **Skin protection**

Wear suitable solvent-proof protective clothing according to EN 465.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                 |          |
|-----------------|----------|
| Physical state: | liquid   |
| Colour:         | green    |
| Odour:          | aromatic |

#### Test method

#### **Changes in the physical state**

Boiling point: 180 - 220 °C

Flash point: 65 °C

Lower explosion limits:

Upper explosion limits:

Ignition temperature: > 200 °C

Vapour pressure: 20 hPa

(at 20 °C)

Density (at 20 °C): 0,790 - 0,820 g/cm<sup>3</sup>

Water solubility: insoluble

(at 20 °C)

Solubility in other solvents: Organic solvents

## SECTION 10: Stability and reactivity

### 10.4. Conditions to avoid

Only use material in places where open light, fire and other sources of ignition can be kept away.

No decomposition when used as intended.

### 10.5. Incompatible materials

Oxidizing agents. acid, concentrated. Alkalis (alkalis), concentrated.

### 10.6. Hazardous decomposition products

No hazardous decomposition products are known.

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### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity

| CAS No     | Chemical name   |        |             |         |   |
|------------|---|--------|-------------|---------|---|
|            | Exposure routes                                       | Method | Dose        | Species | h |
| 64742-82-1 | Distillates (petroleum, gasoline), hydrotreated light |        |             |         |   |
|            | Acute oral toxicity                                   | LD50   | >5000 mg/kg | rat.    |   |
|            | Acute dermal toxicity                                 | LD50   | >2920 mg/kg | Rabbit. |   |
| 85535-85-9 | Chlorparaffines C14-C28                               |        |             |         |   |
|            | Acute oral toxicity                                   | LD50   | 4000 mg/kg  | rat.    |   |
|            | Acute dermal toxicity                                 | LD50   | 4000 mg/kg  | rat.    |   |
|            | Acute inhalation toxicity                             | LC50   | 48170 mg/l  | rat.    | 1 |

##### Irritation and corrosivity

After skin contact: Frequently or prolonged contact with skin may cause dermal irritation.

Irritation of eyes: Irritant effect possible.

##### Sensitising effects

no danger of sensitization.

### SECTION 12: Ecological information

#### 12.1. Toxicity

| CAS No     | Chemical name   |        |             |                                 |    |
|------------|---|--------|-------------|---------------------------------|----|
|            | Aquatic toxicity                                      | Method | Dose        | Species                         | h  |
| 64742-82-1 | Distillates (petroleum, gasoline), hydrotreated light |        |             |                                 |    |
|            | Acute fish toxicity                                   | LC50   | 10-100 mg/l | Oncorhynchus mykiss             | 96 |
|            | Acute algae toxicity                                  | ErC50  | 50-100 mg/l | Pseudokirchneriella subcapitata | 72 |
|            | Acute crustacea toxicity                              | EC50   | 10-22 mg/l  | Daphnia magna                   | 48 |
| 85535-85-9 | Chlorparaffines C14-C28                               |        |             |                                 |    |
|            | Acute algae toxicity                                  | ErC50  | 3,2 mg/l    | Algae                           | 96 |

#### 12.3. Bioaccumulative potential

Low potential of bio-accumulation.

#### Further information

Do not empty into drains or the aquatic environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Advice on disposal

Do not dispose with household waste.

Do not empty into drains or the aquatic environment.

Arrange about the exact waste code with the local waste disposal expert.

Have to add a Special treatment in compliance with official regulations in contact with approved waste

disposal companies and with authorities in charge.

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### Contaminated packaging

Container must be completely emptied.

Do not pierce, cut up or weld unclean container. (Explosion hazard.)

## SECTION 14: Transport information

### Land transport (ADR/RID)

#### Other applicable information (land transport)

Not a hazardous material with respect to transportation regulations.

### Inland waterways transport (ADN)

#### Other applicable information (inland waterways transport)

Not a hazardous material with respect to transportation regulations.

### Marine transport (IMDG)

#### Other applicable information (marine transport)

Not a hazardous material with respect to transportation regulations.

### Air transport (ICAO)

#### Other applicable information (air transport)

Not a hazardous material with respect to transportation regulations.

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU regulatory information

#### Additional information

Contains:

> 30 % hydrocarbons, aliphatic.

#### National regulatory information

Water contaminating class (D): 2 - water contaminating

## SECTION 16: Other information

### Full text of R phrases referred to under Sections 2 and 3

- |       |   |
|-------|---|
| 50    | Very toxic to aquatic organisms.  |
| 52    | Harmful to aquatic organisms.   |
| 52/53 | Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. |
| 53    | May cause long-term adverse effects in the aquatic environment.                               |
| 64    | May cause harm to breastfed babies.   |
| 65    | Harmful: may cause lung damage if swallowed.  |
| 66    | Repeated exposure may cause skin dryness or cracking.   |

### Full text of H statements referred to under Sections 2 and 3

- |      |   |
|------|---|
| H304 | May be fatal if swallowed and enters airways.         |
| H362 | May cause harm to breast-fed children.                |
| H400 | Very toxic to aquatic life.                           |
| H410 | Very toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects.    |

### Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*