

## Beck/Arnley Hydraulic Fluid FS11 HF (252-0028)

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### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Beck/Arnley Hydraulic Fluid FS11 HF (252-0028)

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### Use of the substance/mixture

Central hydraulic motor

#### 1.3. Details of the supplier of the safety data sheet

Company name: Beck/Arnley  
 Street: 2375 Midway Lane  
 Place: Smyrna, TN 37167  
 Telephone: 615-220-3200  
 e-mail: beckcustomerservice@DRiV.com  
 Internet: www.beckarnley.com  
 Responsible Department:

**1.4. Emergency telephone number:** INFOTRAC 1-800-535-5053

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Regulation (EC) No. 1272/2008

Hazard categories:  
 Acute toxicity: Acute Tox. 4  
 Hazardous to the aquatic environment: Aquatic Chronic 3  
 Hazard Statements:  
 Harmful if inhaled.  
 Harmful to aquatic life with long lasting effects.

#### 2.2. Label elements

##### Regulation (EC) No. 1272/2008

##### Hazard components for labelling

1-decene, dimer, hydrated

**Signal word:** Warning

##### Pictograms:



##### Hazard statements

H332 Harmful if inhaled.  
 H412 Harmful to aquatic life with long lasting effects.

##### Precautionary statements

P103 Read label before use.  
 P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
 P273 Avoid release to the environment.  
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
 P501 Dispose of contents/container to of the disposal according to local regulations.

##### Special labelling of certain mixtures

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EUH208

Contains Propanoic acid, 3-[[bis(2-methylpropoxy)phosphinothioyl]thio]-2-methyl-(9CI), 1-H benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-methyl. May produce an allergic reaction.

### 2.3. Other hazards

No information available.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous components

| CAS No      | Chemical name  |          |                  | Quantity      |
|-------------|--|----------|------------------|---------------|
|             | EC No  | Index No | REACH No         |               |
|             | GHS Classification   |          |                  |               |
| 68649-11-6  | 1-decene, dimer, hydrated  |          |                  | 30 - < 60 %   |
|             | 500-228-5  |          | 01-2119537268-33 |               |
|             | Acute Tox. 4, Asp. Tox. 1; H332 H304   |          |                  |               |
| 64742-54-7  | Distillates (petroleum), heavy paraffinic, hydrotreated  |          |                  | 15 - < 30 %   |
|             | 265-157-1  |          | 01-2119484627-25 |               |
|             | Asp. Tox. 1; H304  |          |                  |               |
|             | 2-Propenoic acid, 2-methyl-, dodecyl ester, polymer with eicosyl 2-methyl-2-propenoate, hexadecyl 2-methyl-2-propenoate, methyl 2-methyl-2-propenoate, octadecyl 2-methyl-2-propenoate, pentadecyl 2-methyl-2-propenoate, tetradecyl 2-methyl-2-propenoate and |          |                  | 5 - < 15 %    |
|             |  |          |                  |               |
|             | Eye Irrit. 2; H319   |          |                  |               |
| 128-39-2    | 2,6-di-tert-butylphenol  |          |                  | 0.3 - < 1 %   |
|             | 204-884-0  |          | 01-2119490822-33 |               |
|             | Skin Irrit. 2, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 1 (M-Factor = 1); H315 H400 H410  |          |                  |               |
| 268567-32-4 | Propanoic acid, 3-[[bis(2-methylpropoxy)phosphinothioyl]thio]-2-methyl-(9CI)   |          |                  | 0.1 - < 0.3 % |
|             | 608-009-7  |          | 01-2119658068-31 |               |
|             | Eye Dam. 1, Skin Sens. 1, Aquatic Chronic 3; H318 H317 H412  |          |                  |               |
| 94270-86-7  | 1-H benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-methyl  |          |                  | 0.1 - < 0.3 % |
|             | 939-700-4  |          | 01-2119982395-25 |               |
|             | Skin Irrit. 2, Skin Sens. 1, Aquatic Acute 1 (M-Factor = 1), Aquatic Chronic 2; H315 H317 H400 H411  |          |                  |               |
|             | Reaction products of triethylenetetramine and fatty acids, C16-18, C18 unsaturated   |          |                  | 0.1 - < 0.3 % |
|             | 947-263-6  |          | 01-2120761103-66 |               |
|             | Repr. 2, Skin Irrit. 2, Aquatic Chronic 4; H361d H315 H413   |          |                  |               |

Full text of H and EUH statements: see section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Self-protection of the first aider

Change contaminated clothing.

Do not put any product-impregnated cleaning rags into your trouser pockets.

#### After inhalation

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Medical treatment

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necessary. In case of inhalation of aerosols/spray mist/splash spots: Consult physician.

Avoid breathing dust/fume/gas/mist/vapours/spray. IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

**After contact with skin**

After contact with skin, wash immediately with polyethylene glycol, followed by plenty of water. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water and soap.

If skin irritation or rash occurs: Get medical advice/attention.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

In case of troubles or persistent symptoms, consult an ophthalmologist.

**After ingestion**

Rinse mouth immediately and drink plenty of water.

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

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

No information available.

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

Treat symptomatically. Caution if victim vomits: Risk of aspiration!

Aspiration hazard: Call a physician immediately.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.

Carbon dioxide (CO<sub>2</sub>). Dry extinguishing powder. Foam.

**Unsuitable extinguishing media**

High power water jet.

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

Non-flammable. Special exposure hazards arising from the substance itself, combustion products, resulting gases:

Carbon dioxide (CO<sub>2</sub>). Carbon monoxide Sulphur oxides. Phosphorus oxides. Hydrogen sulphide (H<sub>2</sub>S).

**5.3. Advice for firefighters**

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

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

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

**Additional information**

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately.

Do not allow entering drains or surface water. Dispose of waste according to applicable legislation.

Use water spray jet to protect personnel and to cool endangered containers.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment. Special danger of slipping by leaking/spilling product.

Wear suitable protective clothing.

Wear breathing apparatus if exposed to vapours/dusts/aerosols.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

Prevent spread over a wide area (e.g. by containment or oil barriers).

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. Protect skin by using skin protective cream. Wash hands before breaks and after work.

Conditions to avoid: aerosol or mist generation.

**Advice on protection against fire and explosion**

No special measures are necessary.

When using do not smoke.

Fire class: B (DIN-/EN-Norms: EN2)

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep container tightly closed.

Keep away from heat. Keep/Store only in original container.

**Hints on joint storage**

Do not store together with: Food and fodder, Oxidizing agents.

**Further information on storage conditions**

If product enters soil, it will be mobile and may contaminate groundwater. Keep away from heat.

**7.3. Specific end use(s)**

Central hydraulic motor

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****DNEL/DMEL values**

| CAS No    | Substance  |                |        |       |
|-----------|--|----------------|--------|-------|
| DNEL type |  | Exposure route | Effect | Value |
|           | Reaction products of triethylenetetramine and fatty acids, C16-18, C18 unsaturated |                |        |       |
|           |  |                |        |       |

**PNEC values**

| CAS No                    | Substance  |  |  |
|---------------------------|--|--|--|
| Environmental compartment | Value  |  |  |
|                           | Reaction products of triethylenetetramine and fatty acids, C16-18, C18 unsaturated |  |  |
|                           |  |  |  |

**8.2. Exposure controls**

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**Protective and hygiene measures**

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.

Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink. When using do not eat, drink or smoke.

Protect skin by using skin protective cream.

Keep away from food, drink and animal feedingstuffs.

Do not breathe vapour.

**Eye/face protection**

Wear eye protection/face protection. In fine dispersion/spraying/misting: Wear protective gloves/protective clothing.

**Hand protection**

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Wear suitable gloves.

**Skin protection**

Wear suitable protective clothing. In fine dispersion/spraying/misting: Wear protective gloves/protective clothing.

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection. Wear breathing apparatus if exposed to vapours/dusts/aerosols.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

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

|           |                |                                 |
|-----------|----------------|---------------------------------|
| pH-Value: | not applicable | <b>Test method</b><br>DIN 51369 |
|-----------|----------------|---------------------------------|

**Changes in the physical state**

|  |                      |
|--|----------------------|
| Melting point:                           | not determined       |
| Initial boiling point and boiling range: | not determined       |
| Pourpoint::                              | ~-51 °C DIN ISO 3016 |
| Flash point:                             | >100 °C ISO 2592     |

**Flammability**

|                         |                   |
|-------------------------|-------------------|
| Solid:                  | not applicable    |
| Gas:                    | not applicable    |
| Lower explosion limits: | not determined    |
| Upper explosion limits: | not determined    |
| Ignition temperature:   | No data available |

**Auto-ignition temperature**

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|  |                       |
|--|-----------------------|
| Solid:                                 | not applicable        |
| Gas:                                   | not applicable        |
| Decomposition temperature:             | not determined        |
| <b>Oxidizing properties</b>            |                       |
| Not oxidising.                         |                       |
| Vapour pressure:<br>(at 20 °C)         | <0,1 hPa calculated.  |
| Density (at 15 °C):                    | ~0,83 g/cm³ DIN 51757 |
| Water solubility:<br>(at 20 °C)        | practically insoluble |
| <b>Solubility in other solvents</b>    |                       |
| Soluble in hydrocarbons (mineral oil.) |                       |
| Partition coefficient:                 | not determined        |
| Viscosity / kinematic:<br>(at 40 °C)   | ~21,8 mm²/s DIN 51562 |
| Vapour density:                        | not determined        |
| Evaporation rate:                      | not determined        |
| Solvent separation test:               | No data available     |
| Solvent content:                       | none Solvents         |

### 9.2. Other information

|                |   |
|----------------|---|
| Solid content: | 0 |
| none           |   |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

No thermal decomposition if properly stored / handled /transported.  
Onset of decomposition at elevated temperatures (>300°C)

### 10.3. Possibility of hazardous reactions

possible with strong oxidizing agents.  
This product is stable under normal conditions. Hazardous reactions are unlikely.

### 10.4. Conditions to avoid

No data available

### 10.5. Incompatible materials

Oxidizing agents, strong.

### 10.6. Hazardous decomposition products

none

### Further information

No thermal decomposition if properly stored / handled /transported.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Toxicokinetics, metabolism and distribution

No data available.

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**Acute toxicity**

No data available.

Irritant effect on the respiratory tract: Do not breathe gas/vapour.

**ATEmix calculated**

ATE (inhalation vapour) 18,36 mg/l

| CAS No     | Chemical name  |                   |         |          |        |
|------------|--|-------------------|---------|----------|--------|
|            | Exposure route   | Dose              | Species | Source   | Method |
| 68649-11-6 | 1-decene, dimer, hydrated  |                   |         |          |        |
|            | oral   | LD50 >5000 mg/kg  | Rat     |          |        |
|            | dermal   | LD50 >3000 mg/kg  | Rabbit  |          |        |
|            | inhalation vapour  | ATE 11 mg/l       |         |          |        |
|            | inhalation (4 h) aerosol   | LC50 5 mg/l       | Rat     |          |        |
| 64742-54-7 | Distillates (petroleum), heavy paraffinic, hydrotreated                            |                   |         |          |        |
|            | oral   | LD50 >2000 mg/kg  | Rat     | OECD 401 |        |
|            | dermal   | LD50 >2000 mg/kg  | Rabbit  | OECD 402 |        |
|            | inhalation (4 h) vapour  | LC50 >5000 mg/l   | Rat     | OECD 403 |        |
| 128-39-2   | 2,6-di-tert-butylphenol  |                   |         |          |        |
|            | oral   | LD50 >5000 mg/kg  | Rat     |          |        |
|            | dermal   | LD50 >10000 mg/kg | Rabbit  |          |        |
| 94270-86-7 | 1-H benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-methyl                      |                   |         |          |        |
|            | oral   | LD50 >2000 mg/kg  | Rat     |          |        |
|            | Reaction products of triethylenetetramine and fatty acids, C16-18, C18 unsaturated |                   |         |          |        |
|            | oral   | LD50 >2000 mg/kg  | Ratte   |          |        |

**Irritation and corrosivity**

Irritant effect on the skin: none

Frequent and prolonged eye contact may cause eye irritation.

**Sensitising effects**

Due to the very low concentration of sensitizing substances, the finished product can be assumed not to be skin-sensitizing.

**Carcinogenic/mutagenic/toxic effects for reproduction**

The product is not classified.

**STOT-repeated exposure**

Frequently or prolonged contact with skin may cause dermal irritation.

**Specific effects in experiment on an animal**

No data available.

**Practical experience****Observations relevant to classification**

Has de-greasing effect on the skin.

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### Other observations

No special hazards known when the product is properly used and the precautionary measures indicated are observed.

### Further information

No data available.

## SECTION 12: Ecological information

### 12.1. Toxicity

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment. No data available.

| CAS No     | Chemical name  |                  |           |                                     |          |        |
|------------|--|------------------|-----------|-------------------------------------|----------|--------|
|            | Aquatic toxicity   | Dose             | [h]   [d] | Species                             | Source   | Method |
| 68649-11-6 | 1-decene, dimer, hydrated  |                  |           |                                     |          |        |
|            | Acute fish toxicity  | LC50 >1000 mg/l  | 96 h      | Oncorhynchus mykiss (Rainbow trout) |          |        |
|            | Acute algae toxicity   | ErC50 >1000 mg/l | 72 h      | Selenastrum capricornutum           |          |        |
|            | Acute crustacea toxicity   | EC50 >1000 mg/l  | 48 h      | Daphnia magna                       |          |        |
|            | Crustacea toxicity   | NOEC 125 mg/l    | 21 d      | Daphnia magna                       |          |        |
| 64742-54-7 | Distillates (petroleum), heavy paraffinic, hydrotreated                            |                  |           |                                     |          |        |
|            | Acute fish toxicity  | LC50 > 1000 mg/l | 96 h      | Fish                                | OECD 203 |        |
|            | Acute algae toxicity   | ErC50 > 100 mg/l | 72 h      |                                     | OECD 201 |        |
|            | Acute crustacea toxicity   | EC50 > 100 mg/l  | 48 h      | Daphnia                             | OECD 202 |        |
| 94270-86-7 | 1-H benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-methyl                      |                  |           |                                     |          |        |
|            | Acute fish toxicity  | LC50 1-10 mg/l   | 96 h      |                                     |          |        |
|            | Acute crustacea toxicity   | EC50 1-10 mg/l   | 48 h      |                                     |          |        |
|            | Acute bacteria toxicity  | (50-100 mg/l)    |           |                                     |          |        |
|            | Reaction products of triethylenetetramine and fatty acids, C16-18, C18 unsaturated |                  |           |                                     |          |        |
|            | Acute fish toxicity  | LC50 1000 mg/l   | 96 h      | Oncorhynchus mykiss (Rainbow trout) |          |        |
|            | Acute algae toxicity   | ErC50 496 mg/l   | 72 h      | Pseudokirchneriella subcapitata     |          |        |
|            | Acute crustacea toxicity   | EC50 1000 mg/l   | 48 h      | Daphnia magna (Big water flea)      |          |        |
|            | Acute bacteria toxicity  | (1000 mg/l)      | 3 h       |                                     |          |        |

### 12.2. Persistence and degradability

Due to its low solubility in water the product is almost completely mechanically separated in biological sewage plants. Poorly eliminated from water.

Not easily bio-degradable (according to OECD-criteria). Product is partially biodegradable. Significant residues remain.

Post-use oils must not be discharged into the sewer system or into surface waters nor must they be allowed to enter the soil.

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| CAS No     | Chemical name             |       |    |        |
|------------|---------------------------|-------|----|--------|
|            | Method                    | Value | d  | Source |
|            | Evaluation                |       |    |        |
| 68649-11-6 | 1-decene, dimer, hydrated |       |    |        |
|            | Biodegradable.            | 50    | 28 |        |

**12.3. Bioaccumulative potential**

No data available.

Do not allow uncontrolled discharge of product into the environment.

**Partition coefficient n-octanol/water**

| CAS No     | Chemical name   | Log Pow              |
|------------|---|----------------------|
| 68649-11-6 | 1-decene, dimer, hydrated                                     | > 6.5                |
| 64742-54-7 | Distillates (petroleum), heavy paraffinic, hydrotreated       | @1719.B0172<br>86 >4 |
| 94270-86-7 | 1-H benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-methyl | >6                   |

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

The product has not been tested.

**12.6. Other adverse effects**

Aquatic organisms: No data available.

Effects in sewage plants No data available.

No data available.

**Further information**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation. The waste codes stated are recommendations based on the expected use of the substance and may be re-assigned to other waste codes by the user, if applicable.

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

**List of Wastes Code - residues/unused products**

130110 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste hydraulic oils; mineral based non-chlorinated hydraulic oils; hazardous waste

**List of Wastes Code - used product**

130110 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste hydraulic oils; mineral based non-chlorinated hydraulic oils; hazardous waste

**Contaminated packaging**

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself. Dispose of this material and its container to hazardous or special waste collection point.

**SECTION 14: Transport information****Land transport (ADR/RID)**

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|  |  |
|--|--|
| <b>14.1. UN number:</b>                  | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

### Inland waterways transport (ADN)

|  |  |
|--|--|
| <b>14.1. UN number:</b>                  | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

### Marine transport (IMDG)

|  |  |
|--|--|
| <b>14.1. UN number:</b>                  | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

### Air transport (ICAO-TI/IATA-DGR)

|  |  |
|--|--|
| <b>14.1. UN number:</b>                  | No dangerous good in sense of this transport regulation. |
| <b>14.2. UN proper shipping name:</b>    | No dangerous good in sense of this transport regulation. |
| <b>14.3. Transport hazard class(es):</b> | No dangerous good in sense of this transport regulation. |
| <b>14.4. Packing group:</b>              | No dangerous good in sense of this transport regulation. |

### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

### 14.6. Special precautions for user

No dangerous good in sense of this transport regulation.

### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

No dangerous good in sense of this transport regulation.

## SECTION 15: Regulatory information

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

#### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 28: Distillates (petroleum), heavy paraffinic, hydrotreated

Information according to 2012/18/EU Not subject to 2012/18/EU (SEVESO III)  
(SEVESO III):

#### Additional information

According to EC directives or the corresponding national regulations the product does not have to be labelled.

#### National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Water contaminating class (D): 2 - clearly water contaminating

Skin resorption/Sensitization: Causes allergic hypersensitivity reactions.

### 15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

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## SECTION 16: Other information

## Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road )  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%

## Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

| Classification          | Classification procedure |
|-------------------------|--------------------------|
| Acute Tox. 4; H332      | Calculation method       |
| Aquatic Chronic 3; H412 | Calculation method       |

## Relevant H and EUH statements (number and full text)

|        |   |
|--------|---|
| H304   | May be fatal if swallowed and enters airways.   |
| H315   | Causes skin irritation.   |
| H317   | May cause an allergic skin reaction.  |
| H318   | Causes serious eye damage.  |
| H319   | Causes serious eye irritation.  |
| H332   | Harmful if inhaled.   |
| H361d  | Suspected of damaging the unborn child.   |
| H400   | Very toxic to aquatic life.   |
| H410   | Very toxic to aquatic life with long lasting effects.   |
| H411   | Toxic to aquatic life with long lasting effects.  |
| H412   | Harmful to aquatic life with long lasting effects.  |
| H413   | May cause long lasting harmful effects to aquatic life.   |
| EUH208 | Contains Propanoic acid, 3-[[bis(2-methylpropoxy)phosphinothioyl]thio]-2-methyl-(9CI), 1-H benzotriazole-1-methanamine, N,N-bis(2-ethylhexyl)-methyl. May produce an allergic reaction. |

## Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations. The above data are intended to describe our product in terms of any safety requirements to be observed. They reflect the state of our current knowledge and experience and shall not be construed as warranted characteristics. Any warranty for accuracy and completeness shall be expressly excluded.

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