# ATF 7G+ BARDAHL

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Reference number: 35991
Issue date: 06-01-21 Revision date: 01-12-23 Supersedes version of: 06-01-21 Version: 2.0

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

### 1.1. Product identifier

Product form : Mixture
Product name : ATF 7G+ BARDAHL
UFI : XY0D-XQH6-VA3R-QH66
Product code : 35991 # 7313599VR1
Type of product : Lubricants and additives

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

#### 1.2.1. Relevant identified uses

Intended for general public
Main use category : Consumer use
Function or use category : Lubricants and additives

#### 1.2.2. Uses advised against

No additional information available

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

**Distributor**
SADAPS BARDAHL Additives & Lubricants
ZI TOURNAI OUEST 2 - RUE DU MONT DES CARLIERS, 3
7522 TOURNAI
BELGIQUE
T +32 (0).69.59.03.60, F +32 (0).69.59.03.61
msds@bardahlfrance.com, www.bardahl.be

**Supplier**
SADAPS BARDAHL Additives & Lubricants
ZI TOURNAI OUEST 2 - RUE DU MONT DES CARLIERS, 3
7522 TOURNAI
BELGIQUE
T +32 (0).69.59.03.60, F +32 (0).69.59.03.61
msds@bardahlfrance.com, www.bardahl.be

### 1.4. Emergency telephone number

Emergency number : + 32 (0)70.245.245 / +33 (0)1.45.42.59.59

| Country/Area | Organisation/Company | Address | Emergency number | Comment |
|---|---|---|---|---|
| Ireland | National Poisons Information Centre<br>Beaumont Hospital | PO Box 1297<br>Beaumont Road<br>9 Dublin | +353 1 809 2566<br>(Healthcare professionals-24/7)<br>+353 1 809 2166 (public, 8am - 10pm, 7/7) | |
| Malta | Medicines & Poisons Info Office | Mater Dei Hospital<br>Msida<br>MSD 2090 Msida | +356 2545 6508 | |
| Saudi Arabia | Poison Control Center-Riyadh | General Directorate of Health Affairs<br>Medial Province | +966 112324180<br>+966 112324189 | |
| United Arab Emirates | Health Authority – Abu Dhabi (HAAD)<br>Poison & Drug Information Center (PDIC) | P.O. Box 5674 | + 800-424 | |
| United Kingdom | Guy's & St Thomas' Poisons Unit<br>Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust | Avonley Road<br>SE14 5ER | +44 20 7188 7188 | |

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP]**

| | |
|---|---|
| Acute toxicity (inhal.), Category 4 | H332 |
| Aspiration hazard, Category 1 | H304 |

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

**Adverse physicochemical, human health and environmental effects**

No additional information available

### 2.2. Label elements

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

Hazard pictograms (CLP) :



GHS07 GHS08

Signal word (CLP) : Danger

Contains : Distillates (petroleum), hydrotreated heavy paraffinic; Distillates (petroleum), hydrotreated light paraffinic; Distillates (petroleum), solvent-dewaxed light paraffinic; Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based; Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based ; Dec-1-ene, dimers, hydrogenated

Hazard statements (CLP) : H304 - May be fatal if swallowed and enters airways.
H332 - Harmful if inhaled.

Precautionary statements (CLP) : P101 - If medical advice is needed, have product container or label at hand.
P102 - Keep out of reach of children.
P260 - Do not breathe vapours.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor.
P331 - Do NOT induce vomiting.
P312 - Call a POISON CENTER, doctor if you feel unwell.
P405 - Store locked up.
P501 - Dispose of contents/container to a hazardous or special waste collection point.

EUH-statements : EUH208 - Contains 4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate. May produce an allergic reaction.

Child-resistant fastening : Applicable

Tactile warning : Applicable

### 2.3. Other hazards

Contains no PBT/vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

| Component | |
|---|---|
| Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII | reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0), Alkyl phosphites |
| Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII | reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0), Alkyl phosphites |

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|
| Distillates (petroleum), hydrotreated heavy paraffinic substance with national workplace exposure limit(s) (BE); substance with a Community workplace exposure limit<br>(Note L) | CAS-No.: 64742-54-7<br>EC-No.: 265-157-1<br>EC Index-No.: 649-467-00-8<br>REACH-no: 01-2119484627-25 | 50 – 80 | Asp. Tox. 1, H304 |
| Dec-1-ene, dimers, hydrogenated | CAS-No.: 68649-11-6<br>EC-No.: 500-228-5<br>REACH-no: 01-2119493069-28 | 25 – 50 | Acute Tox. 4 (Inhalation:dust,mist), H332<br>Asp. Tox. 1, H304 |
| Oil Soluble Polyalkylene Glycol | - | 2,5 – 5 | Aquatic Chronic 3, H412 |
| Distillates (petroleum), hydrotreated light paraffinic substance with national workplace exposure limit(s) (FR)<br>(Note L) | CAS-No.: 64742-55-8<br>EC-No.: 265-158-7<br>EC Index-No.: 649-468-00-3<br>REACH-no: 01-2119487077-29 | 1 – 2,5 | Asp. Tox. 1, H304 |
| Distillates (petroleum), solvent-dewaxed light paraffinic<br>substance with a Community workplace exposure limit | CAS-No.: 64742-56-9<br>EC-No.: 265-159-2<br>EC Index-No.: 649-469-00-9<br>REACH-no: 01-2119480132-48 | 0,1 – 2,5 | Asp. Tox. 1, H304 |
| reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate | CAS-No.: 125643-61-0<br>EC-No.: 406-040-9<br>EC Index-No.: 607-530-00-7<br>REACH-no: 01-0000015551-76 | 0,1 – 2,5 | Aquatic Chronic 4, H413 |
| Isooctadecanoic acid, reaction products with tetraethylenepentamine | EC-No.: 701-204-9<br>REACH-no: 01-2119960832-33 | 0,1 – 2,5 | Skin Irrit. 2, H315<br>Eye Irrit. 2, H319 |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based<br>(Note L) | CAS-No.: 72623-87-1<br>EC-No.: 276-738-4<br>EC Index-No.: 649-483-00-5<br>REACH-no: 01-2119474889-13 | 0,1 – 2,5 | Asp. Tox. 1, H304 |
| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based<br>(Note L) | CAS-No.: 72623-86-0<br>EC-No.: 276-737-9<br>EC Index-No.: 649-482-00-X<br>REACH-no: 01-2119474878-16 | 0,1 – 2,5 | Asp. Tox. 1, H304 |
| Alkyl phosphites | EC-No.: 424-820-7<br>REACH-no: 01-0000017126-75 | 0,1 – 0,3 | Acute Tox. 4 (Dermal), H312<br>Skin Corr. 1B, H314<br>Aquatic Acute 1, H400 (M=10)<br>Aquatic Chronic 1, H410 (M=10) |

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|---|---|
| 4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate | CAS-No.: 93882-40-7<br>EC-No.: 299-434-3<br>REACH-no: 01-2120735527-50 | < 0,3 | Eye Irrit. 2, H319<br>Skin Sens. 1, H317<br>Aquatic Chronic 2, H411 |

Note L: The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide extract as measured by IP 346 (“Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions – Dimethyl sulphoxide extraction refractive index method” Institute of Petroleum, London), in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If medical advice is needed, have product container or label at hand.

First-aid measures after inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact : Remove contaminated clothes. Wash skin with plenty of water. Wash contaminated clothing before reuse.

First-aid measures after eye contact : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

First-aid measures after ingestion : Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

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

Symptoms/effects after inhalation : Harmful if inhaled.

Symptoms/effects after skin contact : May produce an allergic reaction.

Symptoms/effects after ingestion : May be fatal if swallowed and enters airways.

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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Carbon dioxide. Dry powder. Foam.

Unsuitable extinguishing media : Do not use a heavy water stream.

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

Hazardous decomposition products in case of fire : Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

### 5.3. Advice for firefighters

Firefighting instructions : Exercise caution when fighting any chemical fire.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

Other information : Prevent liquid from entering sewers, watercourses, underground or low areas.

## SECTION 6: Accidental release measures

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

General measures : Evacuate area. Eliminate every possible source of ignition. Ensure adequate ventilation, especially in confined areas. Spill area may be slippery. Keep public away from danger area. Equip cleanup crew with proper protection.

#### 6.1.1. For non-emergency personnel

No additional information available

#### 6.1.2. For emergency responders

No additional information available

### 6.2. Environmental precautions

Dike for recovery or absorb with appropriate material. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

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

For containment : Recover the product with absorbent material.
Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it.
Other information : Spill area may be slippery.

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection". For disposal of solid materials or residues refer to section 13 : "Disposal considerations".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Do not eat, drink or smoke when using this product.
Hygiene measures : Wash contaminated clothing before reuse. Always wash hands after handling the product.

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

Technical measures : Provide local exhaust or general room ventilation.
Storage conditions : Store in a closed container. Keep out of frost.
Heat and ignition sources : Keep away from naked flames/heat. Keep away from ignition sources.
Information on mixed storage : Keep away from food, drink and animal feeding stuffs.
Storage area : Store in a well-ventilated place. Store in a dry place.
Special rules on packaging : Store in original container.

#### Switzerland

Storage class (LK) : LK 6.1 - Toxic materials

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | |
|---|---|
| **EU - Indicative Occupational Exposure Limit (IOEL)** | |
| IOEL TWA | 5 mg/m³ 8H |

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | |
|---|---|
| **Belgium - Occupational Exposure Limits** | |
| OEL TWA | 5 mg/m³ |

| Distillates (petroleum), hydrotreated light paraffinic (64742-55-8) | |
|---|---|
| **France - Occupational Exposure Limits** | |
| VME (OEL TWA) | 1200 mg/m³ |

| Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9) | |
|---|---|
| **EU - Indicative Occupational Exposure Limit (IOEL)** | |
| IOEL TWA | 5 mg/m³ |

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

**Appropriate engineering controls:**
Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

**Personal protective equipment symbol(s):**



#### 8.2.2.1. Eye and face protection

**Eye protection:**
Safety glasses

| Eye protection | | | |
|---|---|---|---|
| **Type** | **Field of application** | **Characteristics** | **Standard** |
| Safety glasses | Droplet | clear | EN 166 |

#### 8.2.2.2. Skin protection

**Skin and body protection:**
Wear suitable protective clothing

**Hand protection:**
Wear protective gloves

| Hand protection | | | | | |
|---|---|---|---|---|---|
| **Type** | **Material** | **Permeation** | **Thickness (mm)** | **Penetration** | **Standard** |
| Reusable gloves | Nitrile rubber (NBR) | 6 (> 480 minutes) | ≥0.35 | | EN ISO 374 |

**Other skin protection**

**Materials for protective clothing:**
Wear suitable protective clothing

#### 8.2.2.3. Respiratory protection

**Respiratory protection:**
Good ventilation of the workplace required. In case of inadequate ventilation wear respiratory protection.

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

**Environmental exposure controls:**
Avoid release to the environment.

## SECTION 9: Physical and chemical properties

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

| | | |
|---|---|---|
| Physical state | : | Liquid |
| Colour | : | Blue. |
| Appearance | : | Oily. |
| Odour | : | characteristic. |
| Odour threshold | : | Not available |
| Melting point | : | Not available |
| Freezing point | : | -57 °C ASTM D5950 (point d'écoulement) |
| Boiling point | : | Not available |
| Flammability | : | Not available |
| Explosive properties | : | Presents no particular fire or explosion hazard. |
| Lower explosion limit | : | Not available |
| Upper explosion limit | : | Not available |
| Flash point | : | 188 °C ASTM D92 (COC) |
| Auto-ignition temperature | : | Not available |
| Decomposition temperature | : | Not available |
| pH | : | Not available |
| Viscosity, kinematic | : | 18,8 mm²/s (40°C) - ASTM D7279 |
| Solubility | : | Not available |
| Partition coefficient n-octanol/water (Log Kow) | : | Not available |
| Vapour pressure | : | Not available |
| Vapour pressure at 50°C | : | Not available |
| Density | : | 0,835 kg/l (15 °C) - ASTM D4052 |
| Relative density | : | Not available |
| Relative vapour density at 20°C | : | Not available |
| Particle characteristics | : | Not applicable |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

| | | |
|---|---|---|
| VOC content | : | 0 % |

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

Stable under normal conditions of use.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

Not established.

### 10.4. Conditions to avoid

Heat. Open flame. Sparks. Water, humidity. Freezing.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Incomplete combustion releases dangerous carbon monoxide, carbon dioxide and other toxic gases.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Harmful if inhaled.

| ATF 7G+ BARDAHL | |
|---|---|
| ATE CLP (gases) | 4500 ppmv/4h |
| ATE CLP (vapours) | 11 mg/l/4h |
| ATE CLP (dust,mist) | 1,5 mg/l/4h |

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | |
|---|---|
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg |
| LC50 Inhalation - Rat | > 5,53 mg/l/4h |

| Distillates (petroleum), hydrotreated light paraffinic (64742-55-8) | |
|---|---|
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg |
| LC50 Inhalation - Rat (Dust/Mist) | 5,53 mg/l/4h |

| Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9) | |
|---|---|
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rabbit | > 5000 mg/kg |
| LC50 Inhalation - Rat (Dust/Mist) | 5,53 mg/l/4h |

| reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0) | |
|---|---|
| LD50 oral rat | > 2000 mg/kg (OCDE 401) |
| LD50 dermal rat | > 2000 mg/kg (OCDE 402) |

| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1) | |
|---|---|
| LD50 oral rat | > 5000 mg/kg OECD401 |
| LD50 dermal rabbit | > 2000 mg/kg OECD402 |
| LC50 Inhalation - Rat | 5,53 mg/l/4h méthode OCDE 403 |

| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0) | |
|---|---|
| LD50 oral rat | > 5000 mg/kg OCDE 401 |
| LD50 dermal rabbit | > 2000 mg/kg OCDE 402 |
| LC50 Inhalation - Rat | > 5,53 mg/l OCDE 403 |
| LC50 Inhalation - Rat (Dust/Mist) | > 5,53 mg/l/4h |

| Alkyl phosphites | |
|---|---|
| LD50 oral | > 2000 mg/kg |
| LD50 dermal | > 500 mg/kg |

| 4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate (93882-40-7) | |
|---|---|
| LD50 oral rat | > 10000 mg/kg |
| LD50 dermal rabbit | 3160 mg/kg OECD Guideline 402 |

| Dec-1-ene, dimers, hydrogenated (68649-11-6) | |
|---|---|
| LD50 oral rat | > 5000 mg/kg |
| LC50 Inhalation - Rat (Dust/Mist) | 1,17 mg/l/4h |

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
STOT-single exposure : Not classified
STOT-repeated exposure : Not classified

| Distillates (petroleum), hydrotreated light paraffinic (64742-55-8) | |
|---|---|
| LOAEL (oral, rat, 90 days) | 125 mg/kg bodyweight/day Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents) |

| Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9) | |
|---|---|
| LOAEL (oral, rat, 90 days) | 125 mg/kg bodyweight/day |
| NOAEL (subchronic, oral, animal/male, 90 days) | ≥ 2000 mg/kg bodyweight |
| NOAEL (subchronic, oral, animal/female, 90 days) | ≥ 2000 mg/kg bodyweight |

Aspiration hazard : May be fatal if swallowed and enters airways.

| ATF 7G+ BARDAHL | |
|---|---|
| Viscosity, kinematic | 18,8 mm²/s (40°C) - ASTM D7279 |

### 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Hazardous to the aquatic environment, short–term (acute) : Not classified
Hazardous to the aquatic environment, long–term (chronic) : Not classified

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | |
|---|---|
| LC50 - Fish [1] | > 100 mg/l Pimephales promelas, 96h - OCDE 203 |
| EC50 - Crustacea [1] | > 10000 mg/l Gammarus pulex, 48h - OCDE 202 |
| EC50 - Crustacea [2] | > 10000 mg/l Daphnia magna, 48h - OCDE 202 |
| ErC50 algae | > 100 mg/l |
| NOEC chronic fish | ≥ 1000 mg/l Oncorhynchus mykiss - QSAR Petrotox 14/28d |
| NOEC chronic crustacea | 10 mg/l Daphnia magna, 21d - OCDE 211 |

| Distillates (petroleum), hydrotreated light paraffinic (64742-55-8) | |
|---|---|
| LC50 - Fish [1] | > 100 mg/l |
| EC50 - Crustacea [1] | > 1000 mg/l |
| EC50 72h - Algae [1] | > 100 mg/l |
| NOEC chronic fish | 1000 mg/l 14d |
| NOEC chronic crustacea | 10 mg/l 21d |
| NOEC chronic algae | ≥ 100 mg/l 72h |

| reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0) | |
|---|---|
| LC50 - Fish [1] | > 100 mg/l (Oncorhynchus mykiss, 14d) (méthode OCDE 204) |
| LC50 - Fish [2] | > 74 mg/l (Danio rerio (zebra fish), 96h) (OCDE 203) |
| LC50 - Other aquatic organisms [1] | > 74 mg/l |
| EC50 - Crustacea [1] | > 100 mg/l (Daphnia magna, 48h) (méthode OCDE 202) |
| EC50 72h - Algae [1] | > 3 mg/l (Desmodesmus subspicatus, 72h) (méthode OCDE 201) |
| NOEC chronic algae | > 33,7 mg/l 72H |

| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1) | |
|---|---|
| LC50 - Fish [1] | > 100 mg/l (Pimephales promelas, 96h) (méthode OCDE 203) |
| LC50 - Other aquatic organisms [1] | > 10000 mg/l (Gammarus pulex, 48h) (méthode OCDE 202) |

| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0) | |
|---|---|
| LC50 - Fish [1] | > 100 mg/l Pimephales promelas, 96h (OCDE 203) |
| LC50 - Other aquatic organisms [1] | > 10000 mg/l Gammarus pulex, (OCDE 202) |
| NOEC chronic crustacea | 10 mg/l Daphnia magna, (OCDE 211) |
| NOEC chronic algae | > 100 mg/l (72h - OCDE 201) |

| Alkyl phosphites | |
|---|---|
| LC50 - Fish [1] | 1,5 mg/l Oncorhynchus mykiss (OCDE 203) |
| EC50 - Crustacea [1] | 0,09 mg/l Daphnia magna (OCDE 202) |
| EC50 72h - Algae [1] | 0,31 mg/l Pseudokirchneriella subcapitata |

| 4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate (93882-40-7) | |
|---|---|
| LC50 - Fish [1] | > 1000 mg/l (Cyprinodon variegatus - OECD 203) |
| EC50 - Crustacea [1] | 9,5 mg/l (Daphnia magna - OECD Guideline 202) |
| EC50 72h - Algae [1] | > 100 mg/l (Pseudokirchneriella subcapitata - OECD |

| Dec-1-ene, dimers, hydrogenated (68649-11-6) | |
|---|---|
| LC50 - Fish [1] | > 1000 mg/l |

| Dec-1-ene, dimers, hydrogenated (68649-11-6) | |
|---|---|
| EC50 - Crustacea [1] | > 1000 mg/l |
| EC50 72h - Algae [1] | > 1000 mg/l |
| NOEC chronic crustacea | 125 mg/l (Daphnie, 21 jr) |

## 12.2. Persistence and degradability

| ATF 7G+ BARDAHL | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | |
|---|---|
| Persistence and degradability | Rapidly degradable |
| Biodegradation | 31 % |

| Oil Soluble Polyalkylene Glycol | |
|---|---|
| Persistence and degradability | Not readily biodegradable. |

| Distillates (petroleum), hydrotreated light paraffinic (64742-55-8) | |
|---|---|
| Persistence and degradability | Not established. |
| Biodegradation | 31 % (OCDE 301F) |

| Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0) | |
|---|---|
| Persistence and degradability | Not readily biodegradable,(OECD 301B method). |

| Isooctadecanoic acid, reaction products with tetraethylenepentamine | |
|---|---|
| Persistence and degradability | Rapidly degradable |

| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1) | |
|---|---|
| Persistence and degradability | Rapidly degradable |
| Biodegradation | 31 % (28d) (méthode OCDE 301F) |

| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0) | |
|---|---|
| Persistence and degradability | Not readily biodegradable. |
| Biodegradation | 31 % (28d) OCDE 301F |

| Alkyl phosphites | |
|---|---|
| Persistence and degradability | Rapidly degradable |
| Biodegradation | 52,9 % 60 d (OCDE 301B) |

| 4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate (93882-40-7) | |
|---|---|
| Persistence and degradability | Not readily biodegradable. |

| Dec-1-ene, dimers, hydrogenated (68649-11-6) | |
|---|---|
| Persistence and degradability | Rapidly degradable |

## 12.3. Bioaccumulative potential

| Distillates (petroleum), hydrotreated light paraffinic (64742-55-8) | |
|---|---|
| Partition coefficient n-octanol/water (Log Kow) | > 6 |

| Distillates (petroleum), hydrotreated light paraffinic (64742-55-8) | |
|---|---|
| Bioaccumulative potential | Not established. |

| Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | > 3 |

| reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0) | |
|---|---|
| Bioconcentration factor (BCF REACH) | 260 Oncorhynchus mykiss (Truite arc-en-ciel) - (OCDE 305) |
| Partition coefficient n-octanol/water (Log Pow) | 9,2 |
| Bioaccumulative potential | bioaccumulative. |

| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0) | |
|---|---|
| Partition coefficient n-octanol/water (Log Kow) | > 6 |

| Alkyl phosphites | |
|---|---|
| Bioaccumulative potential | bioaccumulative. |

| 4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate (93882-40-7) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 6,5 – 10 (25-40°C and pH 6) |

## 12.4. Mobility in soil

| Distillates (petroleum), solvent-dewaxed light paraffinic (64742-56-9) | |
|---|---|
| Ecology - soil | insoluble in water. |

| reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0) | |
|---|---|
| Mobility in soil | Après libération, est absorbé par le sol. |

| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1) | |
|---|---|
| Ecology - soil | Product adsorbs onto the soil. |

| Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based (72623-86-0) | |
|---|---|
| Ecology - soil | insoluble in water. |

| Alkyl phosphites | |
|---|---|
| Ecology - soil | Product adsorbs onto the soil. |

## 12.5. Results of PBT and vPvB assessment

| Component | |
|---|---|
| Substance(s) not meeting the PBT criteria of REACH regulation, in accordance with Annex XIII | reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0), Alkyl phosphites |
| Substance(s) not meeting the vPvB criteria of REACH regulation, in accordance with Annex XIII | reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0), Alkyl phosphites |

## 12.6. Endocrine disrupting properties

No additional information available

## 12.7. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Sewage disposal recommendations : Do not discharge into drains or the environment.

Product/Packaging disposal recommendations : Collect all waste in suitable and labelled containers and dispose according to local legislation.

Additional information : Empty the packaging completely prior to disposal. Do not re-use empty containers.

Ecological information : Do not discharge the product into the environment.

## SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / RID

| ADR | IMDG | IATA | RID |
|---|---|---|---|
| **14.1. UN number or ID number** | | | |
| Not regulated for transport | | | |
| **14.2. UN proper shipping name** | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| **14.3. Transport hazard class(es)** | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| **14.4. Packing group** | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| **14.5. Environmental hazards** | | | |
| Not regulated | Not regulated | Not regulated | Not regulated |
| No supplementary information available | | | |

### 14.6. Special precautions for user

**Overland transport**
Not regulated

**Transport by sea**
Not regulated

**Air transport**
Not regulated

**Rail transport**
Not regulated

### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

## SECTION 15: Regulatory information

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

#### 15.1.1. EU-Regulations

**REACH Annex XVII (Restriction List)**

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

### REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

### REACH Candidate List (SVHC)

Contains no substance(s) listed on the REACH Candidate List

### PIC Regulation (Prior Informed Consent)

Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

### POP Regulation (Persistent Organic Pollutants)

Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

### Ozone Regulation (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

### Dual-Use Regulation (428/2009)

Contains no substance subject to the COUNCIL REGULATION (EC) No 428/2009 of 5 May 2009 setting up a Community regime for the control of exports, transfer, brokering and transit of dual-use items.

### VOC Directive (2004/42)

VOC content : 0 %

### Explosives Precursors Regulation (2019/1148)

Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

### 15.1.2. National regulations

### France

| Occupational diseases | |
|---|---|
| Code | Description |
| RG 36 | Diseases caused by oils and fats of mineral or synthetic origin |
| RG 65 | Eczematiform lesions of allergic mechanism |

### Germany

Employment restrictions : Observe restrictions according Act on the Protection of Working Mothers (MuSchG). Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG).

Water hazard class (WGK) : WGK 3, Highly hazardous to water (Classification according to AwSV, Annex 1).

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

### Netherlands

SZW-lijst van kankerverwekkende stoffen : Distillates (petroleum), hydrotreated heavy paraffinic,Distillates (petroleum), hydrotreated light paraffinic,Distillates (petroleum), solvent-dewaxed light paraffinic are listed

SZW-lijst van mutagene stoffen : Distillates (petroleum), hydrotreated heavy paraffinic,Distillates (petroleum), hydrotreated light paraffinic,Distillates (petroleum), solvent-dewaxed light paraffinic are listed

SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed

SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed

SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

### Denmark

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

## 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

| Full text of H- and EUH-statements: | |
|---|---|
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal), Category 4 |
| Acute Tox. 4 (Inhalation:dust,mist) | Acute toxicity (inhalation:dust,mist) Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment – Acute Hazard, Category 1 |
| Aquatic Chronic 1 | Hazardous to the aquatic environment – Chronic Hazard, Category 1 |
| Aquatic Chronic 2 | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |
| Aquatic Chronic 4 | Hazardous to the aquatic environment – Chronic Hazard, Category 4 |
| Asp. Tox. 1 | Aspiration hazard, Category 1 |
| EUH208 | Contains 4,4'-thiodiethylene hydrogen -2-octadecenylsuccinate. May produce an allergic reaction. |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| H304 | May be fatal if swallowed and enters airways. |
| H312 | Harmful in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| 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. |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1, Sub-Category 1B |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1 | Skin sensitisation, Category 1 |

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.