# PLASMA LXR-M 10W50

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Reference number: 33221
Issue date: 24-09-24 Revision date: 12-08-26 Supersedes version of: 30-04-25 Version: 1.2

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

### 1.1. Product identifier

Product form : Mixture
Product name : PLASMA LXR-M 10W50
Product code : 33221 # 7313222R2
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

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 | 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 | 112<br>+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]**

Not classified

### Adverse physicochemical, human health and environmental effects

No additional information available

## 2.2. Label elements

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

Precautionary statements (CLP) : P102 - Keep out of reach of children.

## 2.3. Other hazards

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

| Component | |
|---|---|
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene (68411-46-1) | PBT: not yet assessed<br>vPvB: not yet assessed |

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 substance(s) are 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] |
|---|---|---|---|
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | CAS-No.: 68411-46-1<br>EC-No.: 270-128-1 | <0,5 | Repr. 2, H361f |

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

No additional information available

## 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.

### 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

| Methyl methacrylate (80-62-6) | |
|---|---|
| **Austria - Occupational Exposure Limits** | |
| MAK (OEL TWA) | 208 mg/m³ |
| | 50 ppm |
| MAK (OEL STEL) | 416 mg/m³ |
| | 100 ppm |
| **Belgium - Occupational Exposure Limits** | |
| OEL TWA | 208 mg/m³ |
| | 50 ppm |
| OEL STEL | 416 mg/m³ |
| | 100 ppm |
| **Denmark - Occupational Exposure Limits** | |
| 8-timers grænseværdi (OEL TWA) | 102 mg/m³ |
| | 25 ppm |
| Korttidsgrænseværdi (OEL STEL) | 204 mg/m³ |
| | 50 ppm |
| **Finland - Occupational Exposure Limits** | |
| HTP (OEL TWA) | 42 mg/m³ |
| | 10 ppm |
| HTP (OEL STEL) | 210 mg/m³ |
| | 50 ppm |
| **Germany - Occupational Exposure Limits (TRGS 900)** | |
| AGW (OEL TWA) | 210 mg/m³ |
| | 50 ppm |
| **Hungary - Occupational Exposure Limits** | |
| AK (OEL TWA) | 208 mg/m³ |
| CK (OEL STEL) | 415 mg/m³ |
| **Ireland - Occupational Exposure Limits** | |
| OEL TWA | 50 ppm |
| OEL STEL | 100 ppm |
| **Italy - Occupational Exposure Limits** | |
| OEL TWA | 50 ppm |
| OEL STEL | 100 ppm |

| Methyl methacrylate (80-62-6) | |
|---|---|
| **Latvia - Occupational Exposure Limits** | |
| OEL TWA | 10 mg/m³ |
| **Netherlands - Occupational Exposure Limits** | |
| TGG-8u (OEL TWA) | 205 mg/m³ |
| | 50 ppm |
| TGG-15min (OEL STEL) | 410 mg/m³ |
| | 100 ppm |
| **Poland - Occupational Exposure Limits** | |
| NDS (OEL TWA) | 100 mg/m³ |
| NDSCh (OEL STEL) | 300 mg/m³ |
| **Romania - Occupational Exposure Limits** | |
| OEL TWA | 205 mg/m³ |
| | 50 ppm |
| OEL STEL | 410 mg/m³ |
| | 100 ppm |
| **Spain - Occupational Exposure Limits** | |
| VLA-ED (OEL TWA) | 100 mg/m³ |
| | 50 ppm |
| VLA-EC (OEL STEL) | 416 mg/m³ |
| | 100 ppm |
| **Sweden - Occupational Exposure Limits** | |
| NGV (OEL TWA) | 200 mg/m³ |
| | 50 ppm |
| KGV (OEL STEL) | 400 mg/m³ |
| | 100 ppm |
| **United Kingdom - Occupational Exposure Limits** | |
| WEL TWA (OEL TWA) | 208 mg/m³ |
| | 50 ppm |
| WEL STEL (OEL STEL) | 416 mg/m³ |
| | 100 ppm |
| **Norway - Occupational Exposure Limits** | |
| Grenseverdi (OEL TWA) | 100 mg/m³ |
| | 25 ppm |
| Korttidsverdi (OEL STEL) | 400 mg/m³ |
| | 100 ppm |
| **Switzerland - Occupational Exposure Limits** | |
| MAK (OEL TWA) | 210 mg/m³ |
| | 50 ppm |
| KZGW (OEL STEL) | 420 mg/m³ |

| Methyl methacrylate (80-62-6) | |
|---|---|
| | 100 ppm |
| **USA - ACGIH® - Threshold Limit Values** | |
| ACGIH® TLV® TWA | 410 mg/m³ |
| | 100 ppm |

| Diphenylamine (diphenylamine) | |
|---|---|
| **Austria - Occupational Exposure Limits** | |
| MAK (OEL TWA) | 5 mg/m³ |
| | 0,7 ppm |
| MAK (OEL STEL) | 10 mg/m³ |
| | 1,4 ppm |
| **Belgium - Occupational Exposure Limits** | |
| OEL TWA | 10 mg/m³ |
| **Denmark - Occupational Exposure Limits** | |
| 8-timers grænseværdi (OEL TWA) | 5 mg/m³ |
| Korttidsgrænseværdi (OEL STEL) | 10 mg/m³ |
| **Finland - Occupational Exposure Limits** | |
| HTP (OEL TWA) | 5 mg/m³ |
| HTP (OEL STEL) | 10 mg/m³ |
| **France - Occupational Exposure Limits** | |
| VLEP 8h (OEL TWA) | 10 mg/m³ |
| **Germany - Occupational Exposure Limits (TRGS 900)** | |
| AGW (OEL TWA) | 5 mg/m³ |
| AGW (OEL C) | 10 mg/m³ |
| **Ireland - Occupational Exposure Limits** | |
| OEL TWA | 10 mg/m³ |
| OEL STEL | 20 mg/m³ |
| **Poland - Occupational Exposure Limits** | |
| NDS (OEL TWA) | 8 mg/m³ |
| **Romania - Occupational Exposure Limits** | |
| OEL TWA | 4 mg/m³ |
| OEL STEL | 6 mg/m³ |
| **Spain - Occupational Exposure Limits** | |
| VLA-ED (OEL TWA) | 10 mg/m³ |
| **Sweden - Occupational Exposure Limits** | |
| NGV (OEL TWA) | 4 mg/m³ |
| KGV (OEL STEL) | 12 mg/m³ |
| **United Kingdom - Occupational Exposure Limits** | |
| WEL TWA (OEL TWA) | 10 mg/m³ |
| WEL STEL (OEL STEL) | 20 mg/m³ |

| Diphenylamine (diphenylamine) | |
|---|---|
| **Norway - Occupational Exposure Limits** | |
| Grenseverdi (OEL TWA) | 5 mg/m³ |
| **Switzerland - Occupational Exposure Limits** | |
| MAK (OEL TWA) | 10 mg/m³ |

| (2-methoxymethylethoxy)propanol (34590-94-8) | |
|---|---|
| **EU - Indicative Occupational Exposure Limit (IOEL)** | |
| Local name | (2-Methoxymethylethoxy)-propanol |
| IOEL TWA | 308 |
| | 50 ppm |
| Remark | Skin |
| **Austria - Occupational Exposure Limits** | |
| MAK (OEL TWA) | 307 mg/m³ |
| | 50 ppm |
| MAK (OEL STEL) | 614 mg/m³ |
| | 100 ppm |
| **Belgium - Occupational Exposure Limits** | |
| OEL TWA | 308 mg/m³ |
| | 50 ppm |
| **Denmark - Occupational Exposure Limits** | |
| 8-timers grænseværdi (OEL TWA) | 309 mg/m³ |
| | 50 ppm |
| Korttidsgrænseværdi (OEL STEL) | 618 mg/m³ |
| | 100 ppm |
| **Finland - Occupational Exposure Limits** | |
| HTP (OEL TWA) | 310 mg/m³ |
| | 50 ppm |
| **France - Occupational Exposure Limits** | |
| Local name | (2-méthoxyméthyléthoxy)-propanol |
| VLEP 8h (OEL TWA) | 308 mg/m³ |
| | 50 ppm |
| Remark | Valeurs règlementaires contraignantes; risque de pénétration percutanée |
| **Germany - Occupational Exposure Limits (TRGS 900)** | |
| AGW (OEL TWA) | 310 mg/m³ |
| | 50 ppm |
| **Hungary - Occupational Exposure Limits** | |
| AK (OEL TWA) | 308 mg/m³ |
| CK (OEL STEL) | 308 mg/m³ |
| **Ireland - Occupational Exposure Limits** | |
| OEL TWA | 308 mg/m³ |

| (2-methoxymethylethoxy)propanol (34590-94-8) | |
|---|---|
| | 50 ppm |
| **Italy - Occupational Exposure Limits** | |
| OEL TWA | 308 mg/m³ |
| | 50 ppm |
| **Latvia - Occupational Exposure Limits** | |
| OEL TWA | 308 mg/m³ |
| | 50 ppm |
| **Netherlands - Occupational Exposure Limits** | |
| TGG-8u (OEL TWA) | 300 mg/m³ |
| **Poland - Occupational Exposure Limits** | |
| NDS (OEL TWA) | 240 mg/m³ |
| NDSCh (OEL STEL) | 280 mg/m³ |
| **Romania - Occupational Exposure Limits** | |
| OEL TWA | 308 mg/m³ |
| | 50 ppm |
| **Spain - Occupational Exposure Limits** | |
| VLA-ED (OEL TWA) | 308 mg/m³ |
| | 50 ppm |
| **Sweden - Occupational Exposure Limits** | |
| NGV (OEL TWA) | 300 mg/m³ |
| | 50 ppm |
| KGV (OEL STEL) | 450 mg/m³ |
| | 75 ppm |
| **United Kingdom - Occupational Exposure Limits** | |
| WEL TWA (OEL TWA) | 308 mg/m³ |
| | 50 ppm |
| WEL STEL (OEL STEL)* | 924 mg/m³ |
| | 150 ppm |
| **Switzerland - Occupational Exposure Limits** | |
| MAK (OEL TWA) | 300 mg/m³ |
| | 50 ppm |
| KZGW (OEL STEL) | 300 mg/m³ |
| | 50 ppm |
| **USA - ACGIH® - Threshold Limit Values** | |
| ACGIH® TLV® TWA | 600 mg/m³ |
| | 100 ppm |
| ACGIH® TLV® STEL | 900 mg/m³ |
| | 150 ppm |

| naphthalene (91-20-3) | |
|---|---|
| **EU - Indicative Occupational Exposure Limit (IOEL)** | |
| IOEL TWA | 50 mg/m³ |
| | 10 ppm |
| **Austria - Occupational Exposure Limits** | |
| MAK (OEL TWA) | 50 mg/m³ |
| | 10 ppm |
| **Belgium - Occupational Exposure Limits** | |
| OEL TWA | 53 mg/m³ |
| | 10 ppm |
| OEL STEL | 80 mg/m³ |
| | 15 ppm |
| **Denmark - Occupational Exposure Limits** | |
| 8-timers grænseværdi (OEL TWA) | 50 mg/m³ |
| | 10 ppm |
| Korttidsgrænseværdi (OEL STEL) | 100 mg/m³ |
| | 20 ppm |
| **Finland - Occupational Exposure Limits** | |
| HTP (OEL TWA) | 5 mg/m³ |
| | 1 ppm |
| HTP (OEL STEL) | 10 mg/m³ |
| | 2 ppm |
| **France - Occupational Exposure Limits** | |
| VLEP 8h (OEL TWA) | 50 mg/m³ |
| | 10 ppm |
| **Germany - Occupational Exposure Limits (TRGS 900)** | |
| AGW (OEL TWA) | 2 mg/m³ |
| | 0,4 ppm |
| **Hungary - Occupational Exposure Limits** | |
| AK (OEL TWA) | 50 mg/m³ |
| **Ireland - Occupational Exposure Limits** | |
| OEL TWA | 50 mg/m³ |
| | 10 ppm |
| **Italy - Occupational Exposure Limits** | |
| OEL TWA | 50 mg/m³ |
| | 10 ppm |
| **Latvia - Occupational Exposure Limits** | |
| OEL TWA | 50 mg/m³ |
| | 10 ppm |

| naphthalene (91-20-3) | |
|---|---|
| **Netherlands - Occupational Exposure Limits** | |
| TGG-8u (OEL TWA) | 50 mg/m³ |
| TGG-15min (OEL STEL) | 80 mg/m³ |
| **Poland - Occupational Exposure Limits** | |
| NDS (OEL TWA) | 20 mg/m³ |
| NDSCh (OEL STEL) | 50 mg/m³ |
| **Romania - Occupational Exposure Limits** | |
| OEL TWA | 50 mg/m³ |
| | 9,5 ppm |
| **Spain - Occupational Exposure Limits** | |
| VLA-ED (OEL TWA) | 53 mg/m³ |
| | 10 ppm |
| VLA-EC (OEL STEL) | 80 mg/m³ |
| | 15 ppm |
| **Sweden - Occupational Exposure Limits** | |
| NGV (OEL TWA) | 50 mg/m³ |
| | 10 ppm |
| KGV (OEL STEL) | 80 mg/m³ |
| | 15 ppm |
| **United Kingdom - Occupational Exposure Limits** | |
| WEL TWA (OEL TWA) | 53 mg/m³ |
| | 10 ppm |
| WEL STEL (OEL STEL) | 80 mg/m³ |
| | 15 ppm |
| **Switzerland - Occupational Exposure Limits** | |
| MAK (OEL TWA) | 50 mg/m³ |
| | 10 ppm |
| **USA - ACGIH® - Threshold Limit Values** | |
| ACGIH® TLV® TWA | 50 mg/m³ |
| | 10 ppm |

#### 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

No additional information available

### 8.2.2. Personal protection equipment

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



#### 8.2.2.1. Eye and face protection

**Eye protection:**
Safety glasses. ISO 16321-1

#### 8.2.2.2. Skin protection

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

**Hand protection:**
Gloves. ISO 374-1

#### 8.2.2.3. Respiratory protection

**Respiratory protection:**
Good ventilation of the workplace required

#### 8.2.2.4. Thermal hazards

No additional information available

### 8.2.3. Environmental exposure controls

No additional information available

# SECTION 9: Physical and chemical properties

## 9.1. Information on basic physical and chemical properties

| | | |
|---|---|---|
| Physical state | : | Liquid |
| Colour | : | Blue. |
| Appearance | : | Oily. |
| Odour | : | Not available |
| Odour threshold | : | Not available |
| Melting point | : | Not available |
| Freezing point | : | Not available |
| Boiling point | : | Not available |
| Flammability | : | Not available |
| Explosive limits | : | Not available |
| Lower explosion limit | : | Not available |
| Upper explosion limit | : | Not available |
| Flash point | : | > 60 °C |
| Auto-ignition temperature | : | Not available |
| Decomposition temperature | : | Not available |
| pH | : | Not available |
| Viscosity, kinematic | : | 106,5 – 130,2 mm²/s (40°C) |
| Solubility | : | Not available |
| Partition coefficient n-octanol/water (Log Kow) | : | Not available |
| Vapour pressure | : | Not available |
| Vapour pressure at 50°C | : | Not available |
| Density | : | 0,849 – 0,869 g/cm³ (20°C) |
| 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

No additional information available

## 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) : Not classified

| Methyl methacrylate (80-62-6) | |
|---|---|
| LD50 oral rat | > 5000 mg/kg OECD 401 |
| LD50 dermal rabbit | > 5000 mg/kg bodyweight Animal: rabbit, Animal sex: male, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |
| LC50 Inhalation - Rat (Vapours) | 29,8 mg/l/4h |

| Dodécanol, propoxylé, butoxylé (139873-90-8) | |
|---|---|
| LD50 oral rat | > 2000 mg/kg |
| LD50 dermal rat | > 2000 mg/kg |

| 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 bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity) |
| LD50 dermal rat | > 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |

| ALKYLATED PHENYLAMINES | |
|---|---|
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal rat | > 2000 mg/kg |

| ALKYL AMINE PHOSPHATE | |
|---|---|
| LD50 oral rat | > 5000 mg/kg |
| LD50 dermal | > 2000 mg/kg |

| AMIDE CARBOXYLATE | |
|---|---|
| LD50 oral | 7700 mg/kg |
| LD50 dermal | > 2000 mg/kg |

| Dibutyl [[bis[(2-ethylhexyl)oxy]phosphinothioyl]thio]succinate (68413-48-9) | |
|---|---|
| LD50 oral | 11,3 g/kg |

| (2-methoxymethylethoxy)propanol (34590-94-8) | |
|---|---|
| LD50 oral rat | 8740 mg/kg |
| LD50 dermal rabbit | 9510 mg/kg |
| LC50 Inhalation - Rat | 3404,47 mg/l |

| naphthalene (91-20-3) | |
|---|---|
| LD50 oral | 490 mg/kg |
| LD50 dermal rabbit | > 2000 mg/kg |
| LC50 Inhalation - Rat | > 340 mg/m³ |

| Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified (64742-94-5) | |
|---|---|
| LD50 dermal rabbit | > 2 ml/kg |
| LC50 Inhalation - Rat | > 590 mg/m³ |

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

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

| ALKYLATED PHENYLAMINES | |
|---|---|
| NOAEL (animal/male, F0/P) | > 500 mg/kg bodyweight |

| ALKYL AMINE PHOSPHATE | |
|---|---|
| NOAEL (animal/male, F0/P) | 100 mg/kg bodyweight |

STOT-single exposure : Not classified

| Methyl methacrylate (80-62-6) | |
|---|---|
| STOT-single exposure | May cause respiratory irritation. |

| Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified (64742-94-5) | |
|---|---|
| STOT-single exposure | May cause drowsiness or dizziness. |

STOT-repeated exposure : Not classified

| reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0) | |
|---|---|
| NOAEL (oral, rat, 90 days) | 5 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity Study in Rodents) |

| Diphenylamine (diphenylamine) | |
|---|---|
| STOT-repeated exposure | May cause damage to organs through prolonged or repeated exposure. |

| Dibutyl [[bis[(2-ethylhexyl)oxy]phosphinothioyl]thio]succinate (68413-48-9) | |
|---|---|
| NOAEL (oral, rat, 90 days) | 1000 mg/kg bodyweight/day |
| NOAEL (subchronic, oral, animal/male, 90 days) | 1000 mg/kg bodyweight |

Aspiration hazard : Not classified

| PLASMA LXR-M 10W50 | |
|---|---|
| Viscosity, kinematic | 106,5 – 130,2 mm²/s (40°C) |

| SYNESSTIC 5 189K DNN | |
|---|---|
| Viscosity, kinematic | 29 mm²/s (40°C) |

### 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

| Methyl methacrylate (80-62-6) | |
|---|---|
| LC50 - Fish [1] | > 79 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| EC50 - Crustacea [1] | 69 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | > 110 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum) |
| LOEC (chronic) | 68 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC (chronic) | 37 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC chronic fish | 9,4 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) Duration: '35 d' |
| NOEC chronic crustacea | 37 mg/l daphnia |
| NOEC chronic algae | 110 mg/l Selenastrum capricornutum |

| Dodécanol, propoxylé, butoxylé (139873-90-8) | |
|---|---|
| LC50 - Fish [1] | > 105 mg/l Oncorhynchus mykiss (Rainbow trout) |
| EC50 - Crustacea [1] | > 1000 mg/l Daphnia magna (Water flea) |
| EC50 72h - Algae [1] | > 100 mg/l Pseudokirchneriella subcapitata |

| Dodécanol, propoxylé, butoxylé (139873-90-8) | |
|---|---|
| ErC50 algae | > 100 mg/l (Pseudokirchneriella subcapitata) |

| reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0) | |
|---|---|
| LC50 - Fish [1] | > 1000 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio) |
| LC50 - Fish [2] | > 2 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
| LC50 - Other aquatic organisms [1] | > 74 mg/l |
| EC50 - Crustacea [1] | 0,9 mg/l Test organisms (species): Daphnia magna |
| EC50 - Crustacea [2] | > 1000 mg/l Test organisms (species): Daphnia magna |
| EC50 72h - Algae [1] | > 3 mg/l Test organisms (species): Desmodesmus subspicatus (previous name: Scenedesmus subspicatus) |
| NOEC (chronic) | ≤ 0,01 mg/l Test organisms (species): Daphnia magna Duration: '21 d' |
| NOEC chronic algae | > 33,7 mg/l 72H |

| ALKYL AMINE PHOSPHATE | |
|---|---|
| LC50 - Fish [1] | 5,5 mg/l |
| EC50 - Crustacea [1] | 0,315 mg/l |
| EC50 72h - Algae [1] | 0,58 mg/l |

| Dibutyl [[bis[(2-ethylhexyl)oxy]phosphinothioyl]thio]succinate (68413-48-9) | |
|---|---|
| EC50 - Crustacea [1] | > 100 mg/l Daphnia magna |
| EC50 72h - Algae [1] | > 100 mg/l Desmodesmus subspicatus |

| (2-methoxymethylethoxy)propanol (34590-94-8) | |
|---|---|
| LC50 - Fish [1] | > 1000 mg/l Poecilia reticulata (Guppy) |
| EC50 - Crustacea [1] | 1919 mg/l Daphnia magna |
| ErC50 algae | > 969 mg/l Pseudokirchneriella subcapitata |
| LOEC (chronic) | 0,5 mg/l 22 d, Daphnia magna |
| NOEC chronic crustacea | 0,5 mg/l 22 d, Daphnia magna |

| naphthalene (91-20-3) | |
|---|---|
| LC50 - Fish [1] | 1,6 mg/l (Oncorhynchus mykiss) |
| LC50 - Fish [2] | 48 hours |
| EC50 - Crustacea [1] | 2350 µg/l 48 hours |
| EC50 - Crustacea [2] | 1,96 mg/l (Daphnia - Water flea - Daphnia magna) |
| NOEC chronic fish | 1,5 mg/l |
| NOEC chronic crustacea | 0,5 mg/l |

| Solvent naphtha (petroleum), heavy arom.; Kerosine - unspecified (64742-94-5) | |
|---|---|
| LC50 - Fish [1] | 2 – 5 mg/l |
| EC50 - Crustacea [1] | 3 – 10 mg/l |
| EC50 72h - Algae [1] | < 10 mg/l |

| Distillates (petroleum), hydrotreated heavy paraffinic (64742-54-7) | |
|---|---|
| LC50 - Fish [1] | ≤ 100 mg/l |

## 12.2. Persistence and degradability

| Rape oil (8002-13-9) | |
|---|---|
| Persistence and degradability | Product is biodegradable. |
| Biodegradation | > 95 % |

| Methyl methacrylate (80-62-6) | |
|---|---|
| Biodegradation | 94 % Readily biodegradable |

| Dodécanol, propoxylé, butoxylé (139873-90-8) | |
|---|---|
| Persistence and degradability | Readily biodegradable. |
| Biodegradation | > 60 % |

| Glycerides, C14-26 (68002-72-2) | |
|---|---|
| Persistence and degradability | Readily biodegradable. |

| 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). |

| (2-methoxymethylethoxy)propanol (34590-94-8) | |
|---|---|
| Persistence and degradability | Readily biodegradable. |
| Biodegradation | 75 % 28 days |

## 12.3. Bioaccumulative potential

| Methyl methacrylate (80-62-6) | |
|---|---|
| Partition coefficient n-octanol/water (Log Kow) | 1,38 |

| 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. |

| ALKYLATED PHENYLAMINES | |
|---|---|
| Partition coefficient n-octanol/water (Log Kow) | 11,9 |

| ALKYL AMINE PHOSPHATE | |
|---|---|
| Partition coefficient n-octanol/water (Log Kow) | > 2,47 |

| AMIDE CARBOXYLATE | |
|---|---|
| Partition coefficient n-octanol/water (Log Kow) | > 4,33 |

| Dibutyl [[bis[(2-ethylhexyl)oxy]phosphinothioyl]thio]succinate (68413-48-9) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 6,5 |

| (2-methoxymethylethoxy)propanol (34590-94-8) | |
|---|---|
| Partition coefficient n-octanol/water (Log Pow) | 0,006 |

## 12.4. Mobility in soil

| Methyl methacrylate (80-62-6) | |
|---|---|
| Ecology - soil | insoluble in water. Floats on 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. |

| (2-methoxymethylethoxy)propanol (34590-94-8) | |
|---|---|
| Ecology - soil | In water, material soluble. |

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 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 waste 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 | Not regulated | Not regulated | Not regulated |
| **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)**

Not listed on the Ozone Depletion list (Regulation EU 2024/590)
Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

**Seveso Directive (Disaster Risk Reduction)**

Not applicable.

**Explosives Precursors Regulation (EU 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 (EC 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).

Override matching entry (12. BImSchV) : Is not subject to the Major Accidents Ordinance (12. BImSchV)

### Netherlands

| | | |
|---|---|---|
| SZW List of Carcinogenic Substances | : | Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene,Distillates (petroleum), hydrotreated heavy paraffinic are listed |
| SZW List of Mutagenic Substances | : | Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene,Distillates (petroleum), hydrotreated heavy paraffinic are listed |
| SZW List of Reprotoxic Substances – Breastfeeding | : | None of the components are listed |
| SZW List of Reprotoxic Substances – Fertility | : | None of the components are listed |
| SZW List of Reprotoxic Substances – Development | : | None of the components are listed |

### Denmark

| | | |
|---|---|---|
| Classification remarks | : | Emergency management guidelines for the storage of flammable liquids must be followed |
| Danish National Regulations | : | Young people below the age of 18 years are not allowed to use the product |

### Switzerland

| | | |
|---|---|---|
| Storage class (LK) | : | LK 10/12 - Liquids |

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

| Full text of H- and EUH-statements: | |
|---|---|
| Repr. 2 | Reproductive toxicity, Category 2 |
| H361f | Suspected of damaging fertility. |

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.