

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product form : Mixture
Product name : 42790 - ENGINE OIL SPECIAL UHPD 10W-40
Product code : 42790
Type of product : Lubricant

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, Industrial use, Professional 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

77 Lubricants
1761 JA - The Netherlands
T +31 (0)78 6527652
technical@77lubricants.nl - www.77lubricants.nl

1.4. Emergency telephone number

Emergency number : +31 (0)78 6527652
Monday to Friday: 09:00 - 16:00 (CET)

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

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

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

EUH-statements : EUH210 - Safety data sheet available on request.

2.3. Other hazards

Other hazards not contributing to the classification : Flammable liquids. Prolonged or repeated skin contact with the material will remove natural oils which leads to a dermatitis. Spills of this product present a serious slipping hazard.

SECTION 3: Composition/information on ingredients**3.1. Substances**

Not applicable

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according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|---|-----------|--|
| Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.] substance with a Community workplace exposure limit (Note L) | (CAS-No.) 64742-54-7 (EC-No.) 265-157-1 (EC Index-No.) 649-467-00-8 (REACH-no) 01-2119484627-25 | 50 – 75 | Not classified |
| Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based substance with a Community workplace exposure limit (Note L) | (CAS-No.) 72623-87-1 (EC-No.) 276-738-4 (EC Index-No.) 649-483-00-5 (REACH-no) 01-2119474889-13 | 2,5 – 5 | Not classified |
| Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystallization. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity not less than 100 SUS at 100 °F (19cSt at 40 °C).] substance with a Community workplace exposure limit (Note L) | (CAS-No.) 64742-65-0 (EC-No.) 265-169-7 (EC Index-No.) 649-474-00-6 (REACH-no) 01-2119471299-27 | 1 – 5 | Not classified |
| reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate | (CAS-No.) 125643-61-0 (EC-No.) 406-040-9 (EC Index-No.) 607-530-00-7 (REACH-no) 01-0000015551-76, 01-2119830067-43 | 0,5 – 2,5 | Aquatic Chronic 4, H413 |
| Bis(nonylphenyl)amine | (CAS-No.) 36878-20-3 (EC-No.) 253-249-4 (REACH-no) 01-2119488911-28 | 0,5 – 2,5 | Aquatic Chronic 4, H413 (M=0) |
| Zinc bis{O-(6-methylheptyl)} bis {O(sec-butyl)} bis dithiophosphate) | (CAS-No.) 93819-94-4 (EC-No.) 298-577-9 (REACH-no) 01-2119543726-33 | 0,5 – 2,5 | Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411 |

Specific concentration limits:

| Name | Product identifier | Specific concentration limits |
|--|---|---|
| Zinc bis{O-(6-methylheptyl)} bis {O(sec-butyl)} bis dithiophosphate) | (CAS-No.) 93819-94-4 (EC-No.) 298-577-9 (REACH-no) 01-2119543726-33 | (6,25 <C ≤ 100) Skin Irrit. 2, H315 (10 <C ≤ 12,5) Eye Irrit. 2, H319 (12,5 <C ≤ 100) Eye Dam. 1, H318 |

Note L : The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO 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. This note applies only to certain complex oil-derived substances in Part 3. Full text of H-statements: see section 16

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SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|--|
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. |
| First-aid measures after skin contact | : Wash skin with plenty of water. |
| First-aid measures after eye contact | : Rinse eyes with water as a precaution. |
| First-aid measures after ingestion | : Call a poison center or a doctor if you feel unwell. |

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

| | |
|-------------------------------------|--|
| Symptoms/effects | : After adequate first aid, no further treatment is required unless symptoms reappear. |
| Symptoms/effects after inhalation | : After adequate first aid, no further treatment is required unless symptoms reappear. |
| Symptoms/effects after skin contact | : After adequate first aid, no further treatment is required unless symptoms reappear. |
| Symptoms/effects after eye contact | : After adequate first aid, no further treatment is required unless symptoms reappear. |
| Symptoms/effects after ingestion | : After adequate first aid, no further treatment is required unless symptoms reappear. |

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 | : Water spray. Dry powder. Foam. Carbon dioxide. |
| Unsuitable extinguishing media | : Do not use a water jet since it may cause the fire to spread. |

5.2. Special hazards arising from the substance or mixture

| | |
|--|--------------------------------|
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |
|--|--------------------------------|

5.3. Advice for firefighters

| | |
|--------------------------------|--|
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |
|--------------------------------|--|

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

| | |
|----------------------|--|
| Protective equipment | : Eliminate all ignition sources if safe to do so. |
| Emergency procedures | : Ventilate spillage area. |

6.1.2. For emergency responders

| | |
|----------------------|--|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. Wear suitable protective clothing, gloves and eye/face protection. For further information refer to section 8: "Exposure controls/personal protection". |
|----------------------|--|

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

| | |
|-------------------------|---|
| Methods for cleaning up | : Take up liquid spill into absorbent material. |
| Other information | : Dispose of materials or solid residues at an authorized site. |

6.4. Reference to other sections

For further information refer to section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

| | |
|-------------------------------|---|
| Precautions for safe handling | : Ensure good ventilation of the work station. Wear personal protective equipment. |
| Handling temperature | : < 45 °C |
| Hygiene measures | : Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |

7.2. Conditions for safe storage, including any incompatibilities

| | |
|----------------------------|---|
| Storage conditions | : Store in a well-ventilated place. Keep cool. |
| Storage temperature | : 45 °C |
| Storage area | : Store away from heat. Store in a well-ventilated place. |
| Special rules on packaging | : Keep only in original container. Store in a closed container. |

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.] (64742-54-7)

EU - Occupational Exposure Limits

| | |
|-------------------|---------|
| IOELV TWA (mg/m³) | 5 mg/m³ |
|-------------------|---------|

Belgium - Occupational Exposure Limits

| | |
|---------------------|---------|
| Limit value (mg/m³) | 5 mg/m³ |
|---------------------|---------|

Bulgaria - Occupational Exposure Limits

| | |
|-----------------|---------|
| OEL TWA (mg/m³) | 5 mg/m³ |
|-----------------|---------|

Croatia - Occupational Exposure Limits

| | |
|---|---------|
| GVI (granična vrijednost izloženosti) (mg/m³) | 5 mg/m³ |
|---|---------|

Czech Republic - Occupational Exposure Limits

| | |
|----------------------------------|----------|
| Expoziční limity (PEL) (mg/m³) | 5 mg/m³ |
| Expoziční limity (NPK-P) (mg/m³) | 10 mg/m³ |

Denmark - Occupational Exposure Limits

| | |
|-------------------------------|---|
| Grænseværdi (8 timer) (mg/m³) | 1 |
|-------------------------------|---|

Netherlands - Occupational Exposure Limits

| | |
|----------------------------|---------|
| Grenswaarde TGG 8H (mg/m³) | 5 mg/m³ |
|----------------------------|---------|

USA - ACGIH - Occupational Exposure Limits

| | |
|--------------------|----------|
| ACGIH TWA (mg/m³) | 5 mg/m³ |
| ACGIH STEL (mg/m³) | 10 mg/m³ |

Zinc bis{O-(6-methylheptyl)} bis {O(sec-butyl)} bis dithiophosphate) (93819-94-4)

USA - ACGIH - Occupational Exposure Limits

| | |
|--------------------|----------|
| ACGIH TWA (mg/m³) | 5 mg/m³ |
| ACGIH STEL (mg/m³) | 10 mg/m³ |

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Bis(nonylphenyl)amine (36878-20-3)

USA - ACGIH - Occupational Exposure Limits

| | |
|--------------------|---------------|
| ACGIH TWA (mg/m³) | 5 mg/m³ |
| ACGIH STEL (mg/m³) | 10 fibers/cm³ |
| ACGIH STEL (ppm) | 0 ppm |

Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystallization. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity not less than 100 SUS at 100 °F (19cSt at 40 °C).] (64742-65-0)

EU - Occupational Exposure Limits

| | |
|--------------------|----------|
| IOELV TWA (mg/m³) | 5 mg/m³ |
| IOELV STEL (mg/m³) | 10 mg/m³ |

Bulgaria - Occupational Exposure Limits

| | |
|------------------|----------|
| OEL TWA (mg/m³) | 5 mg/m³ |
| OEL STEL (mg/m³) | 10 mg/m³ |

Croatia - Occupational Exposure Limits

| | |
|---|----------|
| GVI (granična vrijednost izloženosti) (mg/m³) | 5 mg/m³ |
| KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m³) | 10 mg/m³ |

Czech Republic - Occupational Exposure Limits

| | |
|----------------------------------|----------|
| Expoziční limity (PEL) (mg/m³) | 5 mg/m³ |
| Expoziční limity (NPK-P) (mg/m³) | 10 mg/m³ |

Denmark - Occupational Exposure Limits

| | |
|------------------------------|---------|
| Grænsevædi (8 timer) (mg/m³) | 1 mg/m³ |
|------------------------------|---------|

Netherlands - Occupational Exposure Limits

| | |
|----------------------------|---------|
| Grenswaarde TGG 8H (mg/m³) | 5 mg/m³ |
|----------------------------|---------|

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (72623-87-1)

EU - Occupational Exposure Limits

| | |
|--------------------|----------|
| IOELV TWA (mg/m³) | 5 mg/m³ |
| IOELV STEL (mg/m³) | 10 mg/m³ |

8.2. Exposure controls

Appropriate engineering controls:

Use adequate ventilation to keep oil mist below applicable standard. Use splash goggles when eye contact due to splashing is possible. Ocular shower with suitable liquid.

Personal protective equipment:

Gloves. Safety glasses. Protective clothing. Avoid all unnecessary exposure.

Materials for protective clothing:

Wear suitable protective clothing

Hand protection:

Breakthrough time : refer to the recommendations of the supplier

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| Type | Material | Permeation | Thickness (mm) | Penetration | Standard |
|------|--|-------------------|----------------|-------------|------------|
| | Nitrile rubber (NBR), Neoprene rubber (HNBR) | 5 (> 240 minutes) | 0.7 | 3 (> 0.65) | EN ISO 374 |
| | Polyvinylchloride (PVC) | 2 (> 30 minutes) | 0.4 | 3 (> 0.65) | EN ISO 374 |

Eye protection:

Chemical goggles or safety glasses. Use splash goggles when eye contact due to splashing is possible. EN 166

Skin and body protection:

Avoid prolonged and repeated contact with skin. If repeated skin contact or contamination of clothing is likely, protective clothing should be worn

Respiratory protection:

Where excessive vapour, mist, or dust may result, use approved respiratory protection equipment. Particle filter. EN 143

Personal protective equipment symbol(s):



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 | : Brown. |
| Odour | : No data available |
| Odour threshold | : No data available |
| pH | : No data available |
| Relative evaporation rate (butylacetate=1) | : No data available |
| Melting point | : Not applicable |
| Freezing point | : -36 °C |
| Boiling point | : No data available |
| Flash point | : > 201 °C |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Flammability (solid, gas) | : Not applicable |
| Vapour pressure | : No data available |
| Relative vapour density at 20 °C | : No data available |
| Relative density | : No data available |
| Density | : 862 kg/m ³ @15°C |
| Solubility | : insoluble in water. |
| Partition coefficient n-octanol/water (Log Pow) | : No data available |
| Viscosity, kinematic | : 92,6 mm ² /s @40°C |
| Viscosity, dynamic | : No data available |
| Explosive properties | : No data available |
| Oxidising properties | : No data available |
| Explosive limits | : No data available |

9.2. Other information

No additional information available

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SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------------|------------------|
| Acute toxicity (oral) | : Not classified |
| Acute toxicity (dermal) | : Not classified |
| Acute toxicity (inhalation) | : Not classified |

Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.] (64742-54-7)

| | |
|---|-------------------------|
| LD50 oral (rat) | > 5000 mg/kg bodyweight |
| LD50 dermal (rabbit) | > 5000 mg/kg |
| LC50 inhalation (rat) (Dust/Mist - mg/l/4h) | > 5,53 mg/l/4h |

Zinc bis{O-(6-methylheptyl)} bis {O(sec-butyl)} bis dithiophosphate) (93819-94-4)

| | |
|----------------------|---|
| LD50 oral (rat) | 2600 mg/kg bodyweight Animal: rat, Animal sex: male |
| LD50 dermal (rabbit) | > 3160 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 402 (Acute Dermal Toxicity) |

Bis(nonylphenyl)amine (36878-20-3)

| | |
|-------------------|-------------------------|
| LD50 oral (rat) | > 5000 mg/kg bodyweight |
| LD50 dermal (rat) | > 2000 mg/kg bodyweight |

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 |
| LD50 dermal (rat) | > 2000 mg/kg bodyweight |

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Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystallization. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity not less than 100 SUS at 100 °F (19cSt at 40 °C).] (64742-65-0)

| | |
|---|-------------------------|
| LD50 oral (rat) | > 5000 mg/kg bodyweight |
| LD50 dermal (rabbit) | > 5000 mg/kg |
| LC50 inhalation (rat) (Vapours - mg/l/4h) | > 5,53 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 heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.] (64742-54-7)

| | |
|----------------------------|----------------------|
| LOAEL (oral, rat, 90 days) | 125 mg/kg bodyweight |
|----------------------------|----------------------|

Zinc bis{O-(6-methylheptyl)} bis {O(sec-butyl)} bis dithiophosphate (93819-94-4)

| | |
|-------------------------------------|---|
| LOAEL (dermal, rat/rabbit, 90 days) | ≈ 70 mg/kg bodyweight Animal: rabbit, Guideline: OECD Guideline 410 (Repeated Dose Dermal Toxicity: 21/28-Day Study) |
| NOAEL (oral, rat, 90 days) | 160 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test) |

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 |
|----------------------------|--------------------|

Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystallization. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity not less than 100 SUS at 100 °F (19cSt at 40 °C).] (64742-65-0)

| | |
|-------------------------------------|-------------------------|
| LOAEL (oral, rat, 90 days) | 125 mg/kg bodyweight |
| NOAEL (dermal, rat/rabbit, 90 days) | ≈ 1000 mg/kg bodyweight |

Aspiration hazard : Not classified

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| | |
|----------------------|------------------|
| Viscosity, kinematic | 92,6 mm²/s @40°C |
|----------------------|------------------|

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

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Hazardous to the aquatic environment, short-term : Not classified

(acute)

Hazardous to the aquatic environment, long-term : Not classified

(chronic)

Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.] (64742-54-7)

| | |
|------------------------|--|
| LC50 fish 1 | > 100 mg/l Pimephales promelas |
| EC50 Daphnia 1 | > 10000 mg/l Daphnia magna |
| NOEC chronic fish | 10 mg/l Oncorhynchus mykiss |
| NOEC chronic crustacea | 10 mg/l Daphnia magna |
| NOEC chronic algae | > 100 mg/l Pseudokirchneriella subcapitata |

Zinc bis{O-(6-methylheptyl)} bis {O(sec-butyl)} bis dithiophosphate (93819-94-4)

| | |
|--------------------|--|
| LC50 fish 1 | 4,5 mg/l Oncorhynchus mykiss (Rainbow trout) |
| EC50 Daphnia 1 | 5,4 mg/l Test organisms (species): Daphnia magna |
| EC50 72h algae (1) | 2,1 mg/l Test organisms (species): other:Selenastrum capricornutum UTEX 1648 |
| EC50 72h algae (2) | 2 mg/l Test organisms (species): other:Selenastrum capricornutum UTEX 1648 |
| EC50 96h algae (1) | 2,1 mg/l Test organisms (species): other:Selenastrum capricornutum UTEX 1648 |
| EC50 96h algae (2) | 2 mg/l Test organisms (species): other:Selenastrum capricornutum UTEX 1648 |
| ErC50 (algae) | 2,1 mg/l |

Bis(nonylphenyl)amine (36878-20-3)

| | |
|--------------------|----------------------------------|
| LC50 fish 1 | > 100 mg/l Danio rerio |
| EC50 Daphnia 1 | > 100 mg/l |
| EC50 72h algae (1) | 100 mg/l Desmodesmus subspicatus |

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 Danio rerio |
| EC50 Daphnia 1 | > 1000 mg/l Daphnia magna |
| EC50 72h algae (1) | > 3 mg/l Desmodesmus subspicatus |
| NOEC (chronic) | ≤ 0,01 mg/l Daphnia magna Duration: '21 d' |

Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystallization. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity not less than 100 SUS at 100 °F (19cSt at 40 °C).] (64742-65-0)

| | |
|--------------------|------------|
| LC50 fish 1 | 100 mg/l |
| EC50 Daphnia 1 | 10000 mg/l |
| EC50 72h algae (1) | 3 mg/l |

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12.2. Persistence and degradability

Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.] (64742-54-7)

| | |
|-------------------------------|----------------------------|
| Persistence and degradability | Not readily biodegradable. |
| Biodegradation | 31 % 28 d OECD 301F |

Zinc bis{O-(6-methylheptyl)} bis {O(sec-butyl)} bis dithiophosphate (93819-94-4)

| | |
|-------------------------------|--------------------------------|
| Persistence and degradability | Not readily biodegradable. |
| Biodegradation | 1,5 % OECD-testrichtlijn 301 B |

Bis(nonylphenyl)amine (36878-20-3)

| | |
|-------------------------------|----------------------------|
| Persistence and degradability | Not readily biodegradable. |
| Biodegradation | 1 % 28d |

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. |
| Biodegradation | 28D |

Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystallization. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity not less than 100 SUS at 100 °F (19cSt at 40 °C).] (64742-65-0)

| | |
|-------------------------------|---------------------|
| Persistence and degradability | Not biodegradable. |
| Biodegradation | 31 % 28 d OECD 301F |

12.3. Bioaccumulative potential

Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.] (64742-54-7)

| | |
|---|-----|
| Partition coefficient n-octanol/water (Log Kow) | > 4 |
|---|-----|

Zinc bis{O-(6-methylheptyl)} bis {O(sec-butyl)} bis dithiophosphate (93819-94-4)

| | |
|---|-----------|
| Partition coefficient n-octanol/water (Log Pow) | 0,9 @23°C |
|---|-----------|

Bis(nonylphenyl)amine (36878-20-3)

| | |
|---|----------------------------|
| Bioconcentration factor (BCF REACH) | 1730 |
| Partition coefficient n-octanol/water (Log Pow) | 3,64 – 7,02 |
| Bioaccumulative potential | Bioaccumulative potential. |

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 35 D, Oncorhynchus mykiss (regenboogforel) |
| Partition coefficient n-octanol/water (Log Pow) | 9,2 |

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Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystallization. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity not less than 100 SUS at 100 °F (19cSt at 40 °C).] (64742-65-0)

| | |
|-------------------------------------|-----|
| Bioconcentration factor (BCF REACH) | 260 |
|-------------------------------------|-----|

| | |
|---|-----|
| Partition coefficient n-octanol/water (Log Pow) | 9,2 |
|---|-----|

12.4. Mobility in soil

Zinc bis{O-(6-methylheptyl)} bis {O(sec-butyl)} bis dithiophosphate (93819-94-4)

| | |
|----------------|------------------------|
| Ecology - soil | Adsorbs into the soil. |
|----------------|------------------------|

Bis(nonylphenyl)amine (36878-20-3)

| | |
|----------------|------------------------|
| Ecology - soil | Adsorbs into the soil. |
|----------------|------------------------|

reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate (125643-61-0)

| | |
|----------------|------------------------|
| Ecology - soil | Adsorbs into the soil. |
|----------------|------------------------|

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

14.1. UN number

| | |
|---------------|------------------|
| UN-No. (ADR) | : Not applicable |
| UN-No. (IMDG) | : Not applicable |
| UN-No. (IATA) | : Not applicable |
| UN-No. (ADN) | : Not applicable |
| UN-No. (RID) | : Not applicable |

14.2. UN proper shipping name

| | |
|-----------------------------|------------------|
| Proper Shipping Name (ADR) | : Not applicable |
| Proper Shipping Name (IMDG) | : Not applicable |
| Proper Shipping Name (IATA) | : Not applicable |
| Proper Shipping Name (ADN) | : Not applicable |
| Proper Shipping Name (RID) | : Not applicable |

14.3. Transport hazard class(es)

ADR

| | |
|----------------------------------|------------------|
| Transport hazard class(es) (ADR) | : Not applicable |
|----------------------------------|------------------|

IMDG

| | |
|-----------------------------------|------------------|
| Transport hazard class(es) (IMDG) | : Not applicable |
|-----------------------------------|------------------|

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IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

14.6. Special precautions for user

Overland transport

No data available

Transport by sea

No data available

Air transport

No data available

Inland waterway transport

No data available

Rail transport

No data available

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

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

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

15.1.2. National regulations

Germany

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1)

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

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Netherlands

Ministry's list of carcinogens

: Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.], Zinc bis{O-(6-methylheptyl)} bis {O(sec-butyl)} bis dithiophosphate), Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystallization. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity not less than 100 SUS at 100 °F (19cSt at 40 °C).] are listed

Ministry's list of mutagens

: Distillates (petroleum), hydrotreated heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by treating a petroleum fraction with hydrogen in the presence of a catalyst. It consists of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil of at least 100 SUS at 100°F (19cSt at 40°C). It contains a relatively large proportion of saturated hydrocarbons.], Zinc bis{O-(6-methylheptyl)} bis {O(sec-butyl)} bis dithiophosphate), Distillates (petroleum), solvent-dewaxed heavy paraffinic; Baseoil— unspecified; [A complex combination of hydrocarbons obtained by removal of normal paraffins from a petroleum fraction by solvent crystallization. It consists predominantly of hydrocarbons having carbon numbers predominantly in the range of C20 through C50 and produces a finished oil with a viscosity not less than 100 SUS at 100 °F (19cSt at 40 °C).] are listed

NON-exhaustive list of reproductive toxins -

: None of the components are listed

Breastfeeding

NON-exhaustive list of reproductive toxins - Fertility

: None of the components are listed

NON-exhaustive list of reproductive toxins -

: None of the components are listed

Evolution

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 chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:

| | |
|-------|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| CLP | Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008 |
| DMEL | Derived Minimal Effect level |
| DNEL | Derived-No Effect Level |
| EC50 | Median effective concentration |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| LOAEL | Lowest Observed Adverse Effect Level |

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| | |
|-------|---|
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| OECD | Organisation for Economic Co-operation and Development |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006 |
| PNEC | Predicted No-Effect Concentration |
| PBT | Persistent Bioaccumulative Toxic |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| vPvB | Very Persistent and Very Bioaccumulative |

| Full text of H- and EUH-statements: | |
|-------------------------------------|---|
| Aquatic Chronic 2 | Hazardous to the aquatic environment — Chronic Hazard, Category 2 |
| Aquatic Chronic 4 | Hazardous to the aquatic environment — Chronic Hazard, Category 4 |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H413 | May cause long lasting harmful effects to aquatic life. |
| EUH210 | Safety data sheet available on request. |

SDS EU (REACH Annex II)

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