

SAFETY DATA SHEET



according to Commission Regulation (EU) 2020/878 as amended

HARTOL Multi Grease EP 2

Creation date 23rd September 2024
Revision date Version 1

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

- 1.1. Product identifier**
Substance / mixture HARTOL Multi Grease EP 2
mixture
UFI 11QP-T2EH-Q003-6DX4
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Mixture's intended use
High quality lithium grease
Main intended use
PC-TEC-11 Lubricants, greases, release agents
Mixture uses advised against
not available
- 1.3. Details of the supplier of the safety data sheet**
Distributor
Name or trade name HARTOL
Address Verkhni Val St, 30, Kijow, 04071
Ukraine
Phone +38 044 33 44 556
E-mail info@hartol.us
Competent person responsible for the safety data sheet
Name HARTOL
E-mail info@hartol.us
- 1.4. Emergency telephone number**
112

SECTION 2: Hazards identification

- 2.1. Classification of the substance or mixture**
Classification of the mixture in accordance with Regulation (EC) No 1272/2008
The mixture is classified as dangerous.

Eye Irrit. 2, H319
Aquatic Chronic 3, H412
Most serious adverse effects on human health and the environment
Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

- 2.2. Label elements**
Hazard pictogram



Signal word

Warning

Hazard statements

H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P264 Wash hands and exposed parts of the body thoroughly after handling.
P280 Wear eye protection.
P337+P313 If eye irritation persists: Get medical advice/attention.

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P501 Dispose of contents/container to by handing over to the person authorized to dispose of waste or by returning to the supplier.

Supplemental information

EUH208 Contains Naphthenic acids, zinc salts. May produce an allergic reaction.

2.3. Other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605. Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended. Dust may form explosive mixture with air.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

| Identification numbers | Substance name | Content in % weight | Classification according to Regulation (EC) No 1272/2008 | Note |
|--|---|---------------------|--|------|
| CAS: 68442-22-8 EC: 270-478-5 Registration number: 01-2119948548-22 | Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts | 1-<1.3 | Skin Irrit. 2, H315 Eye Dam. 1, H318 Aquatic Chronic 2, H411 | |
| CAS: 12001-85-3 EC: 234-409-2 Registration number: 01-2120783834-41 | Naphthenic acids, zinc salts | >0-<0.25 | Skin Sens. 1B, H317 Eye Irrit. 2, H319 Aquatic Chronic 2, H411 | |
| CAS: 128-37-0 EC: 204-881-4 | 2,6-di-tert-butyl-p-cresol | >0-<0.12 | Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) | 1 |

Notes

1 A substance for which exposure limits are set.

Full text of all classifications and hazard statements is given in the section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

After use wash hands with soap.

If inhaled

At normal operating temperature, there is no hazard associated with the effects of oil vapors. In the event of irritation caused by inhalation of hot product vapors or oil mist – remove the exposed person to fresh air. In the event of irregular breathing – perform *3Qartificial respiration and provide medical assistance.

If on skin

Wipe off the product (e.g. with a paper towel) and wash the skin with soap and plenty of water. If skin irritation occurs, seek medical advice. Wash contaminated clothing before reuse. When using pressurized equipment, it is possible for the product to penetrate the skin. In such a case, provide medical assistance immediately.

If in eyes

Rinse eyes with plenty of water, keeping eyelids wide open. Avoid strong jets, due to the risk of corneal damage. If symptoms persist, consult a doctor.

If swallowed

Rinse mouth with water. Contact a doctor immediately.

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

If inhaled

Inhalation of vapors is unlikely under normal conditions.

If on skin

May cause mild irritation with prolonged contact.

If in eyes

May cause eye irritation and/or redness.

If swallowed

No specific symptoms.

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

Do not induce vomiting or give anything by mouth to an unconscious person. No specific treatment. The decision on the course of action is made by the doctor after assessing the condition of the injured person.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray, fire extinguishing foam, carbon dioxide, fire extinguishing powders, sand.

Unsuitable extinguishing media

Compact water jets. Water can be used to cool and protect exposed materials.

5.2. Special hazards arising from the substance or mixture

Flammable product. During fire or under the influence of high temperatures, carbon oxides, sulfur oxides, phosphorus oxides and other unidentified thermal decomposition products that are hazardous to health may be released. In fire and when heated, pressure increases and containers may explode.

5.3. Advice for firefighters

Follow the procedures for extinguishing chemicals. In the event of a fire involving larger quantities of the product, evacuate all bystanders from the danger area. In order to protect containers from high temperatures, cool them with a water spray. Do not allow further inflow of the product to the fire zone. Firefighters participating in rescue and firefighting operations must be equipped with protective clothing, personal protective equipment, including respiratory protection. In closed rooms, use self-contained breathing apparatus (SCBA). Do not allow fire extinguishing water to enter surface water, ground water and sewage system.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Limit access of unauthorized persons to the endangered area. Alert rescue personnel. In case of large leaks, isolate the endangered area. In case of release in a closed room, ensure its effective ventilation. Eliminate all sources of ignition, extinguish open flames, do not smoke. Avoid contamination of eyes, skin and clothes. Do not inhale vapours/mists. Caution: spilled product causes slippery surfaces. Use appropriate personal protective equipment.

6.2. Environmental precautions

Seal the leak. Prevent from entering drains, watercourses and soil by creating sand or earth barriers. Cover the leak with absorbent material (sand, sawdust, earth), collect in containers and transfer for disposal.

6.3. Methods and material for containment and cleaning up

Small spill: Absorb the spilled product with an inert, non-flammable material (earth, sand, vermiculite, sawdust), collect in containers and send for disposal.

Large spills: Dike the spill area with earth, if possible pump out the spilled product. Transfer the collected product to suitable containers and send for disposal.

6.4. Reference to other sections

Information on appropriate personal protective equipment is given in section 8. Information on waste disposal is given in section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not allow the formation of oil mist in the workplace. Provide effective ventilation. Avoid contamination of eyes, skin and clothing. Do not use open flames, do not smoke, remove other sources of ignition. Follow basic hygiene rules; do not eat, drink, or smoke while working, wash hands after each work. Do not use contaminated clothing, wash contaminated clothing before reuse. When transporting the product in drums, use appropriate equipment and footwear to protect feet from possible crushing in the event of a drum falling. Do not allow uncontrolled release of the product. Additional information on hygiene measures is provided in section 8.

7.2. Conditions for safe storage, including any incompatibilities

Store at ambient temperature, in a room with sufficient ventilation, away from sources of ignition. Containers must be tightly closed and properly labeled. The product can be stored in steel or high-density polyethylene storage containers, in accordance with applicable regulations. Do not use polyvinyl chloride containers. Store away from strong oxidizers.

7.3. Specific end use(s)

Not defined.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Germany

TRGS 900

| Substance name (component) | Type | Value |
|--|-------|----------------------|
| 2,6-di-tert-butyl-p-cresol (CAS: 128-37-0) | 8h | 10 mg/m ³ |
| | Short | 40 mg/m ³ |

Notes

Sum of vapor and aerosols.

Inhalable fraction of dust.

DNEL

| 2,6-di-tert-butyl-p-cresol | | | |
|----------------------------|-------------------|-------------------------|--------------------------|
| Workers / consumers | Route of exposure | Value | Effect |
| Workers | Inhalation | 1.76 mg/m ³ | Chronic effects systemic |
| Workers | Dermal | 0.5 mg/kg bw/day | Chronic effects systemic |
| Consumers | Inhalation | 0.435 mg/m ³ | Chronic effects systemic |
| Consumers | Dermal | 0.25 mg/kg bw/day | Chronic effects systemic |
| Consumers | Oral | 0.25 mg/kg bw/day | Chronic effects systemic |

| Naphthenic acids, zinc salts | | | |
|------------------------------|-------------------|------------------------|--------------------------|
| Workers / consumers | Route of exposure | Value | Effect |
| Workers | Inhalation | 1.18 mg/m ³ | Chronic effects systemic |
| Workers | Dermal | 3.3 mg/kg bw/day | Chronic effects systemic |
| Consumers | Inhalation | 0.29 mg/m ³ | Chronic effects systemic |
| Workers | Dermal | 1.17 mg/kg bw/day | Chronic effects systemic |
| Workers | Oral | 0.0017 µg/kg bw | Chronic effects systemic |

| Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts | | | |
|---|-------------------|------------------------|--------------------------|
| Workers / consumers | Route of exposure | Value | Effect |
| Workers | Inhalation | 8.05 mg/m ³ | Chronic effects systemic |
| Workers | Dermal | 11.4 mg/kg bw/day | Chronic effects systemic |
| Consumers | Inhalation | 1.98 mg/m ³ | Chronic effects systemic |
| Consumers | Dermal | 5.71 mg/kg bw/day | Chronic effects systemic |
| Consumers | Oral | 0.23 mg/kg bw/day | Chronic effects systemic |

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PNEC

| 2,6-di-tert-butyl-p-cresol | |
|------------------------------------|--|
| Route of exposure | Value |
| Drinking water | 0.199 µg/l |
| Water (intermittent release) | 1.99 µg/l |
| Marine water | 0.0199 µg/l |
| Microorganisms in sewage treatment | 17 µg/l |
| Freshwater sediment | 0.45819 mg/kg of dry substance of sediment |
| Sea sediments | 0.04582 mg/kg of dry substance of sediment |
| Soil (agricultural) | 0.0539 mg/kg of dry substance of soil |
| Secondary poisoning | 16.67 mg/kg of food |

| Naphthenic acids, zinc salts | |
|-------------------------------------|---|
| Route of exposure | Value |
| Drinking water | 0.004 mg/l |
| Water (intermittent release) | 0.04 mg/l |
| Marine water | 0.0004 mg/l |
| Freshwater sediment | 19.438 mg/kg of dry substance of sediment |
| Sea sediments | 19.944 mg/kg of dry substance of sediment |
| Microorganisms in sewage treatment | 0.6897 mg/l |
| Soil (agricultural) | 3.873 mg/kg of dry substance of soil |

| Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts | |
|--|---|
| Route of exposure | Value |
| Drinking water | 4 µg/l |
| Water (intermittent release) | 45 µg/l |
| Marine water | 4.6 µg/l |
| Freshwater sediment | 0.00985 mg/kg of dry substance of sediment |
| Sea sediments | 0.000985 mg/kg of dry substance of sediment |
| Soil (agricultural) | 0.00593 mg/kg of dry substance of soil |
| Secondary poisoning | 10.67 mg/kg of food |

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Other information of limit values

Journal of Laws 2018 item 1286 Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 on the maximum permissible concentrations and intensities of factors harmful to health in the work environment Journal of Laws 2021 item 325 Regulation of the Minister of Development, Labor and Technology of February 18, 2021 amending the regulation on the maximum permissible concentrations and intensities of factors harmful to health in the work environment

8.2. Exposure controls

Mechanical ventilation and exhaust reduce airborne exposure. In oil handling equipment, use oil-resistant components. Store under recommended conditions and if heating is necessary, use temperature-controlled equipment to avoid overheating. Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the toilet, and at the end of the shift. Ensure that eye wash stations and safety showers are located near the work area. Wash contaminated clothing before reuse.

Eye/face protection

Recommended: Safety glasses with side shields.

Skin protection

Hand protection: Chemical resistant gloves should be worn whenever handling chemical products when a risk assessment indicates this is necessary. 4 - 8 hours (breakthrough time): PVC, protection time <60min. Body protection: Wear protective clothing if there is a risk of skin contact. Remove contaminated clothing at the end of shift. Other skin protection: Appropriate footwear and additional skin protection measures should be selected based on the task being performed and the risks involved before handling this product. These are subject to approval by the occupational health and safety officer.

Respiratory protection

Respirator selection should be based on known or expected exposure levels, the hazards of the product and the safe working limits of the selected respirator. A properly fitted, particulate filter respirator complying with an approved standard should be worn when a risk assessment indicates this is necessary.

Thermal hazard

not available

Environmental exposure controls

Emissions from ventilation systems and process equipment should be checked to determine compliance with environmental protection regulations. In some cases, fume scrubbers, filters, or design modifications to process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|--|------------------------|
| Physical state | solid |
| Colour | brown |
| Odour | characteristic |
| Melting point/freezing point | not determined |
| Boiling point or initial boiling point and boiling range | not determined |
| Flammability | data not available |
| Lower and upper explosion limit | data not available |
| Flash point | data not available |
| Auto-ignition temperature | data not available |
| Decomposition temperature | data not available |
| pH | non-soluble (in water) |
| Kinematic viscosity | data not available |
| Solubility in water | insoluble |
| Partition coefficient n-octanol/water (log value) | data not available |
| Vapour pressure | data not available |
| Density and/or relative density | data not available |
| Relative vapour density | data not available |
| Particle characteristics | data not available |

9.2. Other information

NLGI Class: 2 Penetration [1/10 mm]: 265 - 295 Dropping point [°C]: 271

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SECTION 10: Stability and reactivity

10.1. Reactivity

Under normal conditions of storage the product is not reactive.

10.2. Chemical stability

The product is stable under normal conditions.

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions do not occur.

10.4. Conditions to avoid

High temperatures, open flames and other ignition sources.

10.5. Incompatible materials

Protect against strong acids, bases and oxidizing agents.

10.6. Hazardous decomposition products

Not developed under normal uses. Dangerous outcomes such as carbon monoxide and carbon dioxide are formed at high temperature and in fire.

SECTION 11: Toxicological information

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

Inhalation of solvent vapors above values exceeding exposure limits for working environment may result in acute inhalation poisoning, depending on the level of concentration and exposure time. No toxicological data is available for the mixture.

Acute toxicity

Based on the available data, the criteria for classification of the mixture are not met.

| HARTOL Multi Grease EP 2 | | | | | | | |
|--------------------------|-----------|--------|----------------|---------------|---------|-----|----------------------|
| Route of exposure | Parameter | Method | Value | Exposure time | Species | Sex | Value determination |
| Oral | ATE | | 815922 mg/kg | | | | Calculation of value |
| Dermal | ATE | | 16297262 mg/kg | | | | Calculation of value |
| Inhalation (dust/mist) | ATE | | 27162 mg/l | | | | Calculation of value |

| 2,6-di-tert-butyl-p-cresol | | | | | | | |
|----------------------------|-----------|----------|-------------|---------------|-------------------------|-----|---------------------|
| Route of exposure | Parameter | Method | Value | Exposure time | Species | Sex | Value determination |
| Oral | LD50 | OECD 401 | >2930 mg/kg | | Rat (Rattus norvegicus) | | |
| Skin | LD50 | OECD 402 | >2000 mg/kg | | Rat (Rattus norvegicus) | | |

| Naphthenic acids, zinc salts | | | | | | | |
|------------------------------|-----------|--------|-------------|---------------|-------------------------|-----|---------------------|
| Route of exposure | Parameter | Method | Value | Exposure time | Species | Sex | Value determination |
| Oral | LD50 | | 4920 mg/kg | | Rat (Rattus norvegicus) | | |
| Inhalation (dust/mist) | LC50 | | >11.6 mg/l | 4 hours | Rat (Rattus norvegicus) | | |
| Skin | LD0 | | >2000 mg/kg | | Rabbit | | |

| Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts | | | | | | | |
|---|-----------|----------|-------------|---------------|---------|-----|---------------------|
| Route of exposure | Parameter | Method | Value | Exposure time | Species | Sex | Value determination |
| Skin | LD50 | OECD 402 | >5000 mg/kg | | Rabbit | | |

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Skin corrosion/irritation

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

| 2,6-di-tert-butyl-p-cresol | | | |
|----------------------------|---------------------|---------------|---------|
| Route of exposure | Result | Exposure time | Species |
| Dermal | Slightly irritating | 24 hours | Rabbit |

Serious eye damage/irritation

Causes serious eye irritation.

| 2,6-di-tert-butyl-p-cresol | | | |
|----------------------------|---------------------|---------------|---------|
| Route of exposure | Result | Exposure time | Species |
| Eye | Slightly irritating | 24 hours | Rabbit |

Respiratory or skin sensitisation

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

| 2,6-di-tert-butyl-p-cresol | | | | |
|----------------------------|----------------|---------------|---------|-----|
| Route of exposure | Result | Exposure time | Species | Sex |
| Skin | Not irritating | | Human | |

Germ cell mutagenicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Carcinogenicity

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

| 2,6-di-tert-butyl-p-cresol | | | | | | |
|----------------------------|-----------|------------------|-----------------------|--------|-------------------------|-----|
| Route of exposure | Parameter | Value | Specific target organ | Result | Species | Sex |
| Oral | NOAEL | 247 mg/kg bw/day | Liver | | Rat (Rattus norvegicus) | |

Reproductive toxicity

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Toxicity for specific target organ - single exposure

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

Toxicity for specific target organ - repeated exposure

Data for the mixture are not available. Based on the available data, the criteria for classification of the mixture are not met.

Repeated dose toxicity

| 2,6-di-tert-butyl-p-cresol | | | | | | |
|----------------------------|-----------|--------|----------|---------------|-------------------------|-----|
| Route of exposure | Parameter | Result | Value | Exposure time | Species | Sex |
| Oral | NOAEL | | 25 mg/kg | | Rat (Rattus norvegicus) | |

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Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts

| Route of exposure | Parameter | Result | Value | Exposure time | Species | Sex |
|-------------------|-----------|--------|-----------|---------------|----------------------------------|-----|
| Oral | NOAEL | | 160 mg/kg | | Rat (<i>Rattus norvegicus</i>) | |

Aspiration hazard

No data are available for either the mixture or the components. Based on the available data, the criteria for classification of the mixture are not met.

11.2. Information on other hazards

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

Acute toxicity

2,6-di-tert-butyl-p-cresol

| Parameter | Method | Value | Exposure time | Species | Environment |
|-----------|----------|------------|---------------|--|-------------|
| LC50 | | >0.57 mg/l | 96 hours | Fish (<i>Danio rerio</i>) | |
| EC50 | OECD 202 | 0.48 mg/l | 48 hours | Daphnia (<i>Daphnia magna</i>) | |
| EC50 | | >0.4 mg/l | 72 hours | Algae (<i>Desmodesmus subspicatus</i>) | |
| NOEC | | 0.4 mg/l | 72 hours | Algae (<i>Desmodesmus subspicatus</i>) | |
| EC50 | OECD 209 | 10000 mg/l | 3 hours | Microorganisms | |

Naphthenic acids, zinc salts

| Parameter | Method | Value | Exposure time | Species | Environment |
|-----------|--------|-----------|---------------|--|-------------|
| LC50 | | >100 mg/l | 96 hours | Fish (<i>Danio rerio</i>) | |
| EC50 | | >35 mg/l | 48 hours | Daphnia (<i>Daphnia magna</i>) | |
| EC50 | | 4 mg/l | 72 hours | Algae (<i>Pseudokirchneriella subcapitata</i>) | |

Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu) esters, zinc salts

| Parameter | Method | Value | Exposure time | Species | Environment |
|-----------|----------|-----------|---------------|-------------------------------------|-------------|
| LC50 | OECD 203 | 4.5 mg/kg | 96 hours | Fish (<i>Oncorhynchus mykiss</i>) | |
| NOEC | OECD 203 | 1.8 mg/kg | 96 hours | Fish (<i>Oncorhynchus mykiss</i>) | |

Chronic toxicity

2,6-di-tert-butyl-p-cresol

| Parameter | Method | Value | Exposure time | Species | Environment |
|-----------|--------|------------|---------------|---------------------------------|-------------|
| NOEC | | 0.053 mg/l | 42 days | Fish (<i>Oryzias latipes</i>) | |

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|----------------------------|----------|------------|---------------|-------------------------|-------------|
| Parameter | Method | Value | Exposure time | Species | Environment |
| NOEC | OECD 202 | 0.023 mg/l | 21 days | Daphnia (Daphnia magna) | |

12.2. Persistence and degradability

Data for the mixture are not available.

Biodegradability

| 2,6-di-tert-butyl-p-cresol | | | | |
|----------------------------|-------|---------------|-------------|--------|
| Parameter | Value | Exposure time | Environment | Result |
| | 4.5 % | 28 days | | |

12.3. Bioaccumulative potential

Data for the mixture are not available.

| 2,6-di-tert-butyl-p-cresol | | | | | |
|----------------------------|-------|---------------|---------|-------------|------------------|
| Parameter | Value | Exposure time | Species | Environment | Temperature [°C] |
| Log Pow | 5.1 | | | | |
| BCF | >2000 | | | | |

12.4. Mobility in soil

Data for the mixture are not available.

| 2,6-di-tert-butyl-p-cresol | |
|----------------------------|---------|
| Parameter | Value |
| Koc | 14750 |
| Log Koc | 3.9-4.2 |

12.5. Results of PBT and vPvB assessment

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

12.6. Endocrine disrupting properties

The mixture does not contain substances with endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

12.7. Other adverse effects

Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product: The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

Packaging: The generation of waste should be avoided or minimized wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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Waste management legislation

Act of 14 December 2012 on waste, Journal of Laws 2013 item 21

Act of 29 July 2005 amending the Act on waste and certain other acts (Journal of Laws No. 175/2005, item 1458)

Act of 10 March 2006 amending the Act amending the Act on waste and amending certain other acts (Journal of Laws 2006 No. 63, item 441)

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives (Text with EEA relevance).

Waste type code

12 01 12* spent waxes and fats

(*) - Hazardous waste according to Directive 2008/98/EC on hazardous waste

SECTION 14: Transport information

14.1. UN number or ID number

not subject to transport regulations

14.2. UN proper shipping name

not relevant

14.3. Transport hazard class(es)

not relevant

14.4. Packing group

not relevant

14.5. Environmental hazards

not relevant

14.6. Special precautions for user

not available

14.7. Maritime transport in bulk according to IMO instruments

not relevant

SECTION 15: Regulatory information

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

- Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18 December 2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures (CLP)
- Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No. 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)
- Regulation of the Minister of Entrepreneurship and Technology of 10 May 2019 repealing the regulation on the essential requirements for personal protective equipment (Journal of Laws of 2016, item 966)
- Regulation of the Minister of Family, Labor and Social Policy of June 12, 2018 on the maximum permissible concentrations and intensities of factors harmful to health in the work environment (Journal of Laws of 2018, item 1286)
- Regulation of the Minister of Climate of January 2, 2020 on the catalog of waste (Journal of Laws 2020, item 10)
- Regulation of the Minister of Health of 2 February 2011 on testing and measurement of factors harmful to health in the working environment (Journal of Laws 2011.33.166)
- Regulation of the Minister of Health of 30 December 2004 on occupational health and safety related to the presence of chemical agents in the workplace (Journal of Laws 2005 No. 11 item 86)
- Act of 14 December 2012 on waste (Journal of Laws 2013 item 21)
- Act of 13 June 2013 on the management of packaging and packaging waste (Journal of Laws of 2013, item 888)
- Act of 25 February 2011 on chemical substances and their mixtures (Journal of Laws 2011 No. 63 item 322) as amended.
- COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)
- Commission Regulation (EU) 2017/2100 of September 4, 2017. laying down scientific criteria for the determination of endocrine-disrupting properties pursuant to Regulation (EU) No 528/2012 of the European Parliament and of the Council
- Commission Regulation (EU) 2018/605 of April 19, 2018. amending Annex II to Regulation (EC) No 1107/2009 by establishing scientific criteria for the determination of endocrine-disrupting properties.

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15.2. Chemical safety assessment

Not required

SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

| | |
|--------|--|
| EUH208 | Contains Naphthenic acids, zinc salts. May produce an allergic reaction. |
| H315 | Causes skin irritation. |
| H317 | May cause an allergic skin reaction. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| 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. |

Guidelines for safe handling used in the safety data sheet

| | |
|-----------|--|
| P101 | If medical advice is needed, have product container or label at hand. |
| P102 | Keep out of reach of children. |
| P264 | Wash hands and exposed parts of the body thoroughly after handling. |
| P280 | Wear eye protection. |
| P337+P313 | If eye irritation persists: Get medical advice/attention. |
| P501 | Dispose of contents/container to by handing over to the person authorized to dispose of waste or by returning to the supplier. |

Other important information about human health protection

not available

Key to abbreviations and acronyms used in the safety data sheet

| | |
|-----------------|---|
| ADR | European agreement concerning the international carriage of dangerous goods by road |
| AGW | Occupational Exposure Limits |
| Aquatic Acute | Hazardous to the aquatic environment |
| Aquatic Chronic | Hazardous to the aquatic environment (chronic) |
| BCF | Bioconcentration Factor |
| CAS | Chemical Abstracts Service |
| CLP | Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures |
| EC | Identification code for each substance listed in EINECS |
| EC50 | Concentration of a substance when it is affected 50 % of the population |
| EINECS | European Inventory of Existing Commercial Chemical Substances |
| EmS | Emergency plan |
| EU | European Union |
| EuPCS | European Product Categorisation System |
| Eye Dam. | Serious eye damage |
| Eye Irrit. | Eye irritation |
| IATA | International Air Transport Association |
| IBC | International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals |
| ICAO | International Civil Aviation Organization |
| IMDG | International Maritime Dangerous Goods |
| IMO | International Maritime Organization |
| INCI | International Nomenclature of Cosmetic Ingredients |
| ISO | International Organization for Standardization |
| IUPAC | International Union of Pure and Applied Chemistry |
| LC50 | Lethal concentration of a substance in which it can be expected death of 50% of the population |
| LD0 | Lethal dose of a substance in which it can be expected death of 0% of the population |

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| | | | |
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| Revision date | | | |

| | |
|-------------|---|
| LD50 | Lethal dose of a substance in which it can be expected death of 50% of the population |
| log Kow | Octanol-water partition coefficient |
| MAK | Maximum workplace concentration |
| NOAEL | No observed adverse effect level |
| NOEC | No observed effect concentration |
| OEL | Occupational Exposure Limits |
| PBT | Persistent, bioaccumulative and toxic |
| ppm | Parts per million |
| REACH | Registration, Evaluation, Authorisation and Restriction of Chemicals |
| RID | Agreement on the transport of dangerous goods by rail |
| Skin Irrit. | Skin irritation |
| Skin Sens. | Skin sensitization |
| UN | Four-figure identification number of the substance or article taken from the UN Model Regulations |
| UVCB | Substances of unknown or variable composition, complex reaction products or biological materials |
| VOC | Volatile organic compounds |
| vPvB | Very persistent and very bioaccumulative |

Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

Recommended restrictions of use

not available

Information about data sources used to compile the Safety Data Sheet

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended.
REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

More information

Classification procedure - calculation method.

Statement

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.