

SAFETY DATA SHEET



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

HARTOL Lithoplex Blue 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 Lithoplex Blue EP 2
UFI mixture
73QP-A23X-000K-VRHA
- 1.2. Relevant identified uses of the substance or mixture and uses advised against**
Mixture's intended use
The grease is used to lubricate rolling bearings in heavy road transport vehicles.
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, 5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione. 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-<2.1	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	>0.1-<0.41	Skin Sens. 1B, H317 Eye Irrit. 2, H319 Aquatic Chronic 2, H411	
CAS: 72676-55-2 EC: 276-763-0	5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione	>0-<0.2	Skin Sens. 1B, H317 Aquatic Chronic 2, H411	

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 case of irritation caused by inhalation of hot product vapors or oil mist – remove the exposed person to fresh air. In case of irregular breathing – perform *3Q artificial 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 unauthorised 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. 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

DNEL

5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione			
Workers / consumers	Route of exposure	Value	Effect
Workers	Inhalation	3.53 mg/m ³	Chronic effects systemic
Consumers	Inhalation	0.87 mg/m ³	Chronic effects systemic
Workers	Dermal	0.5 mg/kg	Chronic effects systemic
Consumers	Dermal	0.25 mg/kg	Chronic effects systemic
Consumers	Oral	0.25 mg/kg	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

PNEC

5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione	
Route of exposure	Value
Drinking water	0.003 mg/l
Marine water	0.0003 mg/l
Freshwater sediment	0.0388 mg/kg

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5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione	
Route of exposure	Value
Sea sediments	0.0039 mg/kg
Microorganisms in sewage treatment	0.31 mg/l
Soil (agricultural)	0.006 mg/kg

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

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.

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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	blue
Odour	characteristic
Melting point/freezing point	data not available
Boiling point or initial boiling point and boiling range	data not available
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	
Density	0.9 g/cm ³ at 15 °C
Relative vapour density	data not available
Particle characteristics	data not available

9.2. Other information

Penetration [1/10 mm]: 265 - 295
NLGI Class: 2
Dropping point [°C]: 266
Working temperature[°C]: -30 - 160

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is not reactive under normal conditions of use and storage.

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

Strong oxidizers.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, the product does not undergo hazardous decomposition.

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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.

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Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Oral	ATE		531810 mg/kg				Calculation of value
Dermal	ATE		1531311 mg/kg				Calculation of value
Inhalation (dust/mist)	ATE		1417 mg/l				Calculation of value

5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione							
Route of exposure	Parameter	Method	Value	Exposure time	Species	Sex	Value determination
Skin	LD50		>2000 mg/kg		Rabbit		
Oral	LD50		>5000 mg/kg		Rat (Rattus norvegicus)		
Oral	LD50		>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		

Skin corrosion/irritation

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.

Serious eye damage/irritation

Causes serious eye irritation. Data for the components of the mixture are not available.

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.

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Sensitization

5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione				
Route of exposure	Result	Exposure time	Species	Sex
Skin	Sensitizing		Mouse	

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.

Reproductive toxicity

Data for the mixture are not available. 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

5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione						
Route of exposure	Parameter	Result	Value	Exposure time	Species	Sex
Oral	NOAEL		1000 mg/kg	14 days	Rat (Rattus norvegicus)	

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 (Rattus norvegicus)	

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

5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione					
Parameter	Method	Value	Exposure time	Species	Environment
EC10		9.4 mg/l	72 hours	Algae	

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5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione					
Parameter	Method	Value	Exposure time	Species	Environment
EC10		3.1 mg/l	3 hours	Microorganisms	
EC50		20 mg/l	72 hours	Algae	
EC50		3 mg/l	48 hours	Daphnia	
EC50		>454 mg/l	96 hours	Fish	
NOEC		1 mg/l	3 hours	Microorganisms	

Naphthenic acids, zinc salts					
Parameter	Method	Value	Exposure time	Species	Environment
LC50		>100 mg/l	96 hours	Fish (Danio rerio)	
EC50		>35 mg/l	48 hours	Daphnia (Daphnia magna)	
EC50		4 mg/l	72 hours	Algae (Pseudokirchneriella subcapitata)	

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 (Oncorhynchus mykiss)	
NOEC	OECD 203	1.8 mg/kg	96 hours	Fish (Oncorhynchus mykiss)	

12.2. Persistence and degradability

Data for the mixture are not available.

Biodegradability

5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione					
Parameter	Method	Value	Exposure time	Environment	Result
	OECD 301B	0 %	28 days		

12.3. Bioaccumulative potential

Data for the mixture are not available.

12.4. Mobility in soil

No data are available for either the mixture or the components.

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

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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.

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

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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.

15.2. Chemical safety assessment

A chemical safety assessment is not required.

SECTION 16: Other information

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

EUH208	Contains Naphthenic acids, zinc salts, 5,5'-dithiodi-1,3,4-thiadiazole-2(3H)-thione. 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.
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 Chronic	Hazardous to the aquatic environment (chronic)
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service

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CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
EC	Identification code for each substance listed in EINECS
EC10	Concentration of a substance when it is affected 10 % of the population
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
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.

SAFETY DATA SHEET



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

HARTOL Lithoplex Blue EP 2

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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.