SAFETY DATA SHEET



INFRALIT PE 8317-16 - All variants

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

1.1 Product identifier

: INFRALIT PE 8317-16 - All variants **Product name**

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

Product use : Paint.

1.3 Details of the supplier of the safety data sheet

Teknos Group Oy, Takkatie 3, FI-00370 HELSINKI, FINLAND. Tel. +358 9 506 091.

e-mail address of person

: Prod-safe@teknos.com responsible for this SDS

1.4 Emergency telephone number

National advisory body/Poison Centre

Telephone number : In an emergency, call 112

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Product definition : Mixture

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

Aquatic Chronic 3, H412

The product is classified as hazardous according to Regulation (EC) 1272/2008 as amended.

See Section 16 for the full text of the H statements declared above.

See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Signal word : No signal word.

Hazard statements : H412 - Harmful to aquatic life with long lasting effects.

Precautionary statements

: P273 - Avoid release to the environment. **Prevention**

: Not applicable. Response **Storage** : Not applicable.

Disposal : P501 - Dispose of contents and container in accordance with all local, regional,

national and international regulations.

Supplemental label

elements

Contains zinc di(benzothiazol-2-yl) disulphide and Benzothiazole-2-thiol. May

produce an allergic reaction.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and

articles

2.3 Other hazards

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SECTION 2: Hazards identification

Product meets the criteria for PBT or vPvB according to Regulation (EC) No. 1907/2006, Annex XIII : This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

Other hazards which do not result in classification

: May form explosible dust-air mixture if dispersed.

SECTION 3: Composition/information on ingredients

3.2 Mixtures : Mixture

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Туре
zinc di(benzothiazol-2-yl) disulphide	REACH #: 01-2119493020-50 EC: 205-840-3 CAS: 155-04-4	<1	Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 1 M [Chronic] = 1	[1]
Benzothiazole-2-thiol	REACH #: 01-2119485805-26 EC: 205-736-8 CAS: 149-30-4 Index: 613-108-00-3	≤0.3	Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410	M [Acute] = 1 M [Chronic] = 1	[1]
			See Section 16 for the full text of the H statements declared above.		

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment, are PBTs, vPvBs or Substances of equivalent concern, or have been assigned a workplace exposure limit and hence require reporting in this section.

Type

[1] Substance classified with a health or environmental hazard Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: First aid measures

4.1 Description of first aid measures

Eye contact: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation

occurs.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing.

In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and

shoes. Get medical attention if symptoms occur.

Ingestion : Wash out mouth with water. If material has been swallowed and the exposed

person is conscious, give small quantities of water to drink. Do not induce vomiting

unless directed to do so by medical personnel.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

4.2 Most important symptoms and effects, both acute and delayed

Over-exposure signs/symptoms

Eye contact: No specific data.Inhalation: No specific data.Skin contact: No specific data.Ingestion: No specific data.

4.3 Indication of any immediate medical attention and special treatment needed

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SECTION 4: First aid measures

Notes to physician

: In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatments

: No specific treatment.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media

: None known.

5.2 Special hazards arising from the substance or mixture

Hazards from the substance or mixture : This material is harmful to aquatic life with long lasting effects. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

Hazardous combustion products

: Decomposition products may include the following materials: carbon dioxide

carbon monoxide nitrogen oxides metal oxide/oxides

5.3 Advice for firefighters

Special protective actions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves) conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Put on appropriate personal protective equipment.

For emergency responders: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

: Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

6.3 Methods and material for containment and cleaning up

Small spill

: Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

Large spill

: Move containers from spill area. Approach the release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

6.4 Reference to other sections

: See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

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SECTION 7: Handling and storage

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1 Precautions for safe handling

Protective measures

: Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. See Section 10 for incompatible materials before handling or use.

7.3 Specific end use(s)

Recommendations : Not available.

Industrial sector specific : Not available.

solutions

SECTION 8: Exposure controls/personal protection

The information in this section contains generic advice and guidance. Information is provided based on typical anticipated uses of the product. Additional measures might be required for bulk handling or other uses that could significantly increase worker exposure or environmental releases.

8.1 Control parameters

Occupational exposure limits

Product/ingredient name	Exposure limit values
No exposure limit value known.	
Polyethylene wax	Limit values (Belgium, 12/2023) TWA 8 hours: 2 mg/m³. Form: Fume.
No exposure limit value known.	
Polyethylene wax	Ordinance on the protection of workers from exposure to hazardous chemicals at work, exposure limit values (Annex I) (Croatia, 12/2023) STELV 15 minutes: 6 mg/m³. Form: Fume. ELV 8 hours: 2 mg/m³. Form: Fume.
No exposure limit value known.	
No exposure limit value known.	
Ørganic dust	Working Environment Authority (Denmark) TWA 8 hours: 3 mg/m³.
Polyethylene wax	Working Environment Authority (Denmark, 12/2024) TWA 8 hours: 2 mg/m³. Form: Fume. STEL 15 minutes: 4 mg/m³. Form: Fume.
Ø rganic dust	Occupational exposure limits, Regulation No. 293 (Estonia) TWA 8 hours: 5 mg/m³.
Polyethylene wax	Occupational exposure limits, Regulation No. 293 (Estonia, 4/2024) TWA 8 hours: 2 mg/m³. Form: Vapour.
No exposure limit value known.	

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Ørganic dust

Polyethylene wax

Polyethylene wax

Ørganic dust

zinc di(benzothiazol-2-yl) disulphide

Benzothiazole-2-thiol

Polyethylene wax

No exposure limit value known.

Polyethylene wax

Polyethylene wax

No exposure limit value known.

Ørganic dust

Polyethylene wax

Ørganic dust

Polyethylene wax

Polyethylene wax

Institute of Occupational Health, Ministry of Social Affairs (Finland)

TWA 8 hours: 5 mg/m³. STEL 15 minutes: 10 mg/m³.

Institute of Occupational Health, Ministry of Social Affairs

(Finland, 10/2021) [Parafiinihuurut]
TWA 8 hours: 1 mg/m³. Form: Fume.

Ministry of Labor (France, 6/2024)

TWA 8 hours: 2 mg/m³. Form: Fume. Notes: Permissible limit

values (circulars)

DFG MAC-values list (Germany)

TWA 8 hours: 5 mg/m³.

DFG MAC-values list (Germany, 7/2024) [Zinc and its inorganic compounds] Develop C.

PEAK 15 minutes: 0.4 mg/m³ 4 times per shift [Interval: 1 hour].

Form: respirable fraction.

TWA 8 hours: 2 mg/m³. Form: inhalable fraction. TWA 8 hours: 0.1 mg/m³. Form: respirable fraction.

PEAK 15 minutes: 4 mg/m³ 4 times per shift [Interval: 1 hour].

Form: inhalable fraction.

TRGS 900 OEL (Germany, 6/2024)

TWA 8 hours: 4 mg/m³. Form: Inhalable fraction.

DFG MAC-values list (Germany, 7/2024) Carc 3. Skin sensitiser.

Presidential Decree 307/1986: Occupational exposure limit values (Greece, 8/2024)

TWA 8 hours: 2 mg/m³. Form: Fume. STEL 15 minutes: 6 mg/m³. Form: Fume.

Ministry of Welfare, List of Exposure Limits (Iceland, 11/2024)

TWA 8 hours: 2 mg/m³. Form: Fume.

NAOSH (Ireland, 4/2024) Notes: Advisory Occupational Exposure

Limit Values (OELVs)

OELV 8 hours: 2 mg/m³. Form: fume. OELV 15 minutes: 6 mg/m³. Form: fume.

FOR-2011-12-06-1358 (Norway)

TWA 8 hours: 5 mg/m³.

FOR-2011-12-06-1358 (Norway, 5/2024)

TWA 8 hours: 2 mg/m³. Form: Fume.

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) (Poland)

TWA 8 hours: 10 mg/m³.

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) (Poland, 7/2024)

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TWA 8 hours: 2 mg/m³. Form: Inhalable fraction.

Portuguese Institute of Quality (Portugal, 11/2014)

TWA 8 hours: 2 mg/m³. Form: Fume.

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Polyethylene wax	HG 1218/2006, Annex 1, with subsequent modifications and additions (Romania, 3/2024)
	VLA 8 hours: 2 mg/m³. Form: Fume. Short term 15 minutes: 6 mg/m³. Form: Fume.
Polyethylene wax	Government regulation SR c. 355/2006 (Slovakia, 6/2024) Inhalation sensitiser. STEL 15 minutes: 6 mg/m³. Form: Fume. TWA 8 hours: 2 mg/m³. Form: Fume.
zinc di(benzothiazol-2-yl) disulphide	Government regulation SR c. 355/2006 (Slovakia, 6/2024) [zinok a jeho anorganické zlúčeniny] Inhalation sensitiser. TWA 8 hours: 0.1 mg/m³ (Zinc and its inorganic compounds). Form: Respirable fraction. TWA 8 hours: 2 mg/m³ (Zinc and its inorganic compounds). Form: Inhalable fraction.
Benzothiazole-2-thiol	Government regulation SR c. 355/2006 (Slovakia, 6/2024) Sensitiser, Inhalation sensitiser. TWA 8 hours: 4 mg/m³.
B enzothiazole-2-thiol	Regulation on protection of workers from the risks related to exposure to chemical substances at work (Slovenia, 4/2024) TWA 8 hours: 4 mg/m³. Form: Inhalable fraction.
olyethylene wax	National institute of occupational safety and health (Spain, 1/2024) TWA 8 hours: 2 mg/m³. Form: Fume.
Ørganic dust	Work environment authority Regulation 2018:1 (Sweden) TWA 8 hours: 5 mg/m³.
olyethylene wax	SUVA (Switzerland, 1/2025) TWA 8 hours: 2 mg/m³. Form: respirable dust and fumes.
No exposure limit value known.	

Biological exposure indices

Product/ingredient name	Exposure indices
No exposure indices known.	

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No exposure indices known. No exposure indices known.

Recommended monitoring procedures

No exposure indices known.

Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

DNELs/DMELs

Product/ingredient name

zínc di(benzothiazol-2-yl) disulphide

Result

DNEL - General population - Long term - Oral

0.6 mg/kg bw/day Effects: Systemic

DNEL - General population - Long term - Inhalation

1 mg/m³

Effects: Systemic

DNEL - General population - Long term - Dermal

1.2 mg/kg bw/day Effects: Systemic

DNEL - Workers - Long term - Dermal

3.3 mg/kg bw/day <u>Effects</u>: Systemic

DNEL - Workers - Long term - Inhalation

5.9 mg/m³

Effects: Systemic

DNEL - General population - Long term - Oral

1.25 mg/kg bw/day Effects: Systemic

DNEL - General population - Long term - Inhalation

2.2 mg/m³ Effects: Systemic

DNEL - General population - Long term - Dermal

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2.5 mg/kg bw/day Effects: Systemic

DNEL - Workers - Long term - Dermal

5 mg/kg bw/day Effects: Systemic

Benzothiazole-2-thiol

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DNEL - Workers - Long term - Inhalation

8.8 mg/m³ Effects: Systemic

DNEL - General population - Short term - Oral

10 mg/kg bw/day Effects: Systemic

DNEL - General population - Short term - Inhalation

17.6 mg/m³ Effects: Systemic

DNEL - General population - Short term - Dermal

20 mg/kg bw/day Effects: Systemic

DNEL - Workers - Short term - Dermal

40 mg/kg bw/day Effects: Systemic

DNEL - Workers - Short term - Inhalation

70.4 mg/m³ Effects: Systemic

PNECs

Not available.

8.2 Exposure controls

Appropriate engineering controls

: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Individual protection measures

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Recommendations: Wear gloves according to EN374 to protect against skin effects from powders.

> 8 hours (breakthrough time): Nitrile gloves. thickness > 0.3 mm

Body protection

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

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Respiratory protection

: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

Filter type:

Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

9.1 Information on basic physical and chemical properties

Appearance

Physical state : Solid. Colour : Various **Odour** Slight

Odour threshold Not available. Melting point/freezing point : Not available.

Initial boiling point and

boiling range

Ingredient name	°C	°F	Method
Polyethylene wax	341 to 665	645.8 to 1229	EN ISO 15199

Flammability : Not available.

Lower and upper explosion

limit

: Lower: Not applicable. Upper: Not applicable.

Flash point : Not applicable.

: Not applicable. **Auto-ignition temperature** Not available. **Decomposition temperature** Not available. pН **Viscosity** Not available.

Solubility(ies)

Not available.

Vapour pressure

Relative density

Solubility in water : Not available. Partition coefficient: n-octanol/: Not applicable.

water

Density

: Not available. : Not available. : 1.5 g/cm³

: Not applicable. Vapour density

Particle characteristics

Median particle size : 40 µm

9.2 Other information

9.2.1 Information with regard to physical hazard classes

: Not available. **Explosive properties** : Not available. **Oxidising properties**

9.2.2 Other safety characteristics

Not applicable.

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SECTION 10: Stability and reactivity

: No specific test data related to reactivity available for this product or its ingredients. 10.1 Reactivity

10.2 Chemical stability : The product is stable.

10.3 Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid : No specific data.

10.5 Incompatible materials : No specific data.

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 hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Product/ingredient name Result

zínc di(benzothiazol-2-yl) disulphide Rat - Oral - LD50

540 mg/kg

Benzothiazole-2-thiol Rat - Oral - LD50

100 mg/kg

Rabbit - Dermal - LD50

>7940 mg/kg

Toxic effects: Behavioral - Food intake (animal) Behavioral -

Changes in motor activity (specific assay)

Conclusion/Summary [Product] : Not available.

Acute toxicity estimates

N/A

Skin corrosion/irritation

Not available.

Conclusion/Summary [Product]: Not available.

Serious eye damage/eye irritation

Not available.

Conclusion/Summary [Product] : Not available.

Respiratory corrosion/irritation

Not available.

Conclusion/Summary [Product] : Not available.

Respiratory or skin sensitization

Not available.

Skin

Conclusion/Summary [Product] Not available.

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SECTION 11: Toxicological information

Respiratory

Conclusion/Summary [Product] : Not available.

Germ cell mutagenicity

Not available.

Conclusion/Summary [Product]: Not available.

Carcinogenicity

Not available.

Conclusion/Summary [Product]: Not available.

Reproductive toxicity

Not available.

Conclusion/Summary [Product] : Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on likely routes of exposure

Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards. Inhalation : No known significant effects or critical hazards. **Skin contact** : No known significant effects or critical hazards. Ingestion : No known significant effects or critical hazards. Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data. Inhalation : No specific data. **Skin contact** : No specific data. Ingestion : No specific data.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Short term exposure

Potential immediate : Not available.

effects

Potential delayed effects : Not available.

Long term exposure

Potential immediate : Not available.

effects

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

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SECTION 11: Toxicological information

Conclusion/Summary [Product] : Not available.

General : No known significant effects or critical hazards.
 Carcinogenicity : No known significant effects or critical hazards.
 Mutagenicity : No known significant effects or critical hazards.
 Reproductive toxicity : No known significant effects or critical hazards.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties

Not available.

Conclusion/Summary [Product] : The product does not meet the criteria to be considered as having endocrine

disrupting properties according to the criteria set out in either Regulation (EC)

No. 1907/2006 or Regulation (EC) No 1272/2008.

11.2.2 Other information

Not available.

SECTION 12: Ecological information

12.1 Toxicity

Product/ingredient name

Benzothiazole-2-thiol

Result

Acute - LC50 - Fresh water

Fish - Rainbow trout, donaldson trout - Oncorhynchus mykiss

420 μg/l [96 hours] Effect: Mortality

Acute - EC50 - Fresh water

Daphnia - Water flea - Daphnia magna

<u>Age</u>: ≤24 hours 2.9 mg/l [48 hours] <u>Effect</u>: Intoxication

Acute - EC50 - Fresh water

Algae - Green algae - Pseudokirchneriella subcapitata

230 μg/l [96 hours] Effect: Population

Conclusion/Summary [Product]: Not available.

12.2 Persistence and degradability

Not available.

Conclusion/Summary [Product]: Not available.

12.3 Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
zínc di(benzothiazol-2-yl) disulphide		<8 [Bioaccumulation test of chemical substance in fish and shellfish]	Low
Benzothiazole-2-thiol	2.42	18.35	Low

12.4 Mobility in soil

Soil/water partition coefficient

Product/ingredient name	logKoc	Koc
zínc di(benzothiazol-2-yl) disulphide	2.3	178.154
Benzothiazole-2-thiol	2.3	178.154

Results of PMT and vPvM assessment

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SECTION 12: Ecological information

Product/ingredient name	PMT	P	M	T	vPvM	vP	vM	
znc di(benzothiazol-2-yl) disulphide	No	No	No	No	No	No	No	
Benzothiazole-2-thiol	No	No	No	No	No	No	No	

Mobility

: Not available.

Conclusion/Summary

: The product does not meet the criteria to be considered as a PMT or vPvM.

12.5 Results of PBT and vPvB assessment Regulation (EC) No. 1907/2006 [REACH]

Product/ingredient name	PBT	P	В	T	vPvB	vP	vB
znc di(benzothiazol-2-yl) disulphide	No	N/A	No	No	No	N/A	No
Benzothiazole-2-thiol	No	N/A	No	No	No	N/A	No

Regulation (EC) No. 1272/2008 [CLP]

Product/ingredient name	PBT	P	В	T	vPvB	vP	vB
zínc di(benzothiazol-2-yl) disulphide	No	No	No	No	No	No	No
Benzothiazole-2-thiol	No	No	No	No	No	No	No

Conclusion/Summary Regulation (EC) No. 1272/2008 [CLP]

: The product does not meet the criteria to be considered as a PBT or vPvB.

12.6 Endocrine disrupting properties

Not available.

Conclusion/Summary [Product]

The product does not meet the criteria to be considered as having endocrine disrupting properties according to the criteria set out in either Regulation (EC) No. 1907/2006 or Regulation (EC) No 1272/2008.

12.7 Other adverse effects

No known significant effects or critical hazards.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product

Methods of disposal

: Avoid release to the environment. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazardous waste

: The classification of the product may meet the criteria for a hazardous waste.

European waste catalogue (EWC) : 080201

Packaging

Methods of disposal

: The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

Special precautions

: 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 spilt material and runoff and contact with soil, waterways, drains and sewers.

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SECTION 14: Transport information

	ADR/RID	ADN	IMDG	IATA
14.1 UN number or ID number	Not regulated.	Not regulated.	Not regulated.	Not regulated.
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)	-	-	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.

user

14.6 Special precautions for : Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in

the event of an accident or spillage.

14.7 Maritime transport in

bulk according to IMO

instruments

: Not relevant/applicable due to nature of the product.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture EU Regulation (EC) No. 1907/2006 (REACH)

Annex XIV - List of substances subject to authorisation

Annex XIV

None of the components are listed.

Substances of very high concern

None of the components are listed.

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

Labelling

Synthetic polymer microparticles - Designation 78

Generic identity of polymer(s)

: 3907 - Polyacetals, other polyethers and epoxide resins; polycarbonates, alkyd resins, polyallyl esters and other polyesters.

Total percentage of

52.5%

synthetic polymer microparticles

The synthetic polymer microparticles supplied is subject to conditions laid down by entry 78 of Annex XVII to Regulation (EC) No 1907/2006 of the European Parliament and of the Council.

Other EU regulations

Industrial emissions (integrated pollution

: Not listed

prevention and control) -

Industrial emissions

: Not listed

(integrated pollution prevention and control) -

Water

: Not applicable. **Explosive precursors**

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Ozone depleting substances (EU 2024/590)

Not listed.

Prior Informed Consent (PIC) (649/2012/EU)

Not listed.

Persistent Organic Pollutants

Not listed.

Seveso Directive

This product is not controlled under the Seveso Directive.

: Permitted.

National regulations

Austria

Limitation of the use of

organic solvents

Belgium

Book VI carcinogenic agents annex VI.2-1 - VI.2-3

Ingredient name	Status
Noirs de charbon	Listed

Czech Republic

Denmark

Executive Order No. 1795/2015

Ingredient name	Annex I Section A	Annex I Section B
⊘ arbon black	Listed	-

MAL-code

: 00-1

Protection based on MAL

: According to the regulations on work involving coded products, the following stipulations apply to the use of personal protective equipment:

General: Gloves must be worn for all work that may result in soiling. Apron/ coveralls/protective clothing must be worn when soiling is so great that regular work clothes do not adequately protect skin against contact with the product. A face shield must be worn in work involving spattering if a full mask is not required. In this case, other recommended use of eye protection is not required.

In all spraying operations in which there is return spray, the following must be worn: respiratory protection and arm protectors/apron/coveralls/protective clothing as appropriate or as instructed.

MAL-code: 00-1

Application: When spraying in existing* spray booths, if the operator is outside the spray zone.

- Arm protectors must be worn.

During all spraying where atomisation occurs in cabins or spray booths where the operator is inside the spray zone and during spraying outside a closed facility, cabin or booth.

- Full mask with combined filter, coveralls and hood must be worn.

Drying: Items for drying/drying ovens that are temporarily placed on such things as rack trolleys, etc, must be equipped with a mechanical exhaust system to prevent fumes from wet items from passing through workers' inhalation zone.

Polishing: When polishing treated surfaces, a mask with dust filter must be worn.

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SECTION 15: Regulatory information

When machine grinding, eye protection must be worn. Work gloves must always be worn.

Caution The regulations contain other stipulations in addition to the above.

*See Regulations.

Restrictions on use : Not to be used by professional users below 18 years of age. See the National

Working Environment Authorities Executive Order regarding Young People At Work.

List of undesirable

substances

: Not listed

Carcinogenic waste : Waste containers must be labeled: Contains a substance or substances regulated

by Danish working environment legislation on cancer risks.

Finland

France

Social Security Code, Articles L 461-1 to L 461-7 : Polyethylene wax

RG 36

Reinforced medical

surveillance

: Act of July 11, 1977 determining the list of activities which require reinforced

medical surveillance: not applicable

Germany

Storage class (TRGS 510) : 13 **Hazardous incident ordinance**

This product is not controlled under the Germany Hazardous Incident Ordinance.

Hazard class for water

Technical instruction on air quality control (TA Luft)

Number [Class]	Description	%
5 .2.1	Total dust	99.5
5.2.5	Organic substances	0.11
5.2.5 [1]	Organic substances	0.11
5.2.7.1.3	Reproductive toxic substances	0.034
5.2.7.2	Poorly degradable, easily accumulating and highly toxic organic substances	0.39

Italy

D.Lgs. 152/06 : Not determined.

Netherlands

Water Discharge Policy

(ABM)

: A(3) Hazardous for aquatic organisms, may have long-term hazardous effects in

aquatic environment. Decontamination effort: A

Norway Sweden Switzerland

VOC content : Exempt.

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

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SECTION 15: Regulatory information

15.2 Chemical safety assessment

This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16: Other information

Indicates information that has changed from previously issued version.

Abbreviations and acronyms

: ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No.

1272/2008]

DMEL = Derived Minimal Effect Level DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement

N/A = Not available

PBT = Persistent, Bioaccumulative and Toxic PNEC = Predicted No Effect Concentration RRN = REACH Registration Number

SGG = Segregation Group

vPvB = Very Persistent and Very Bioaccumulative

Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification
Aquatic Chronic 3, H412	Calculation method

Full text of abbreviated H statements

H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Full text of classifications [CLP/GHS]

Aquatic Acute 1	SHORT-TERM (ACUTE) AQUATIC HAZARD - Category 1
Aquatic Chronic 1	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 1
Aquatic Chronic 3	LONG-TERM (CHRONIC) AQUATIC HAZARD - Category 3
Skin Sens. 1	SKIN SENSITISATION - Category 1

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Notice to reader

The information in this SDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this SDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.

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