

material safety data sheet

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

1:1 Product identifier

Product name:

POLYVINE HEAVY DUTY EXTREME VARNISH

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

1.3. Details of the supplier of the safety data sheet

Company name:

POLYVINE LTD
VINE HOUSE,
CHEDDAR BUSINESS PARK,
WEDMORE ROAD,
CHEDDAR BS27 3EB
ENGLAND
Tel: 0044 1934 740305
Fax: 0044 1934 744904
Email: info@polyvine.co.uk

1.4. Emergency telephone number

Tel: 0044 1934 740305 (Office hours only)

1.5 Unique Formula Identifier

Classification under UFI: This product has no classification under UFI.

Regulation (EU) 2020/878 amending the annex II of [REACH regulation](#).

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]

Not classified.

The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended. See Section 11 for more detailed information on health effects and symptoms.

2.2 Label elements

Signal word : No signal word.

Hazard statements No known significant effects or critical hazards.

: Precautionary statements

General : P102 - Keep out of reach of children.

P101 - If medical advice is needed, have product container or label at hand.

Prevention : P262 - Do not get in eyes, on skin, or on clothing

Response : P312 - Call a doctor if you feel unwell

Storage : Not applicable.

Disposal : P501 - Dispose of contents and container in accordance with all local, regional, national or international regulations.

Supplemental label elements: Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

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

Special packaging requirements Containers to be fitted with child-resistant fastenings : Not applicable.

Tactile warning of danger: Not applicable.

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2.3 Other hazards

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

: None known.

Section 3: Composition/information on ingredients

3.2. Mixtures

Product/ingredient name	Identifiers	%	Classification	Specific Conc. Limits, M-factors and ATEs	Type
1,2-benzisothiazol-3(2H)-one	EC: 220-120-9 CAS: 2634-33-5	<0.05	Acute Tox. 4, H302 Acute Tox. 2, H330 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411 See Section 16 for the full text of the H statements declared above.	ATE [Oral] = 500 mg/kg ATE [Inhalation (dusts and mists)] = 0.05 mg/l Skin Sens. 1, H317: C ≥ 0.05% M [Acute] = 10	[1]

There are no 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.

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Wash immediately with plenty of soap and water.

Eye contact: Bathe the eye with running water for 15 minutes.

Ingestion: Wash out mouth with water.

Inhalation: Consult a doctor.

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

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness. Ingestion: There may be irritation of the throat. Inhalation: No symptoms.

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

Section 5: Fire-fighting measures

5.1. Extinguishing media

Water spray, fog or mist. Do NOT use water jet. Carbon dioxide (CO₂). Dry chemical powder. Alcohol resistant foam. Sand or earth. containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In a fire, hazardous decomposition products such as smoke and Carbon Monoxide may be produced.

5.3. Advice for fire-fighters

Exposure to decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required. Cool closed containers exposed to fire with water spray. Do NOT allow run-off from fire fighting to enter drains or water courses.

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Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

: Ventilate the area. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Do not attempt to take action without suitable protective clothing (see section 8).

6.2. Environmental precautions:

Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Section 7: Handling and storage

7.1. Precautions for safe handling

Avoid inhalation of vapour. Avoid skin and eye contact. Smoking, eating and drinking should be prohibited in areas of storage and use. The Manual Handling Operations Regulations may apply to the handling of containers of this product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well-ventilated area. KEEP AWAY FROM FREEZING, minimum storage temperature 5 degrees C. Keep away from direct sunlight. Keep container tightly closed. Suitable packaging: Ideally, keep in original container. If transfer is necessary, use glass or coated steel containers.

7.3. Specific end use(s)

Recommendations: Not available

Industrial sector specific solutions: Not available.

Section 8: Exposure controls/personal protection

8.1. Control parameters Hazardous ingredients:

Workplace exposure limits: No data available.

DNEL/PNEC Values DNEL / PNEC No data available.

DNEL/PNEC Values DNEL / PNEC No data available.

Recommended monitoring procedures If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. 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.

Product/ingredient name	Type	Exposure	Value	Population	Effects
1,2-benzisothiazol-3(2H)-one	DNEL	Long term Dermal	0.345 mg/kg bw/day	General population	Systemic
	DNEL	Long term Dermal	0.966 mg/kg bw/day	Workers	Systemic
	DNEL	Long term Inhalation	1.2 mg/m ³	General population	Systemic
	DNEL	Long term Inhalation	6.81 mg/m ³	Workers	Systemic

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Respiratory protection: If there is a risk of exposure to high vapour concentrations, use respiratory protective equipment. All personal protective equipment, including respiratory protective equipment, used to control exposure to hazardous substances must be selected to

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meet the requirements of the COSHH Regulations. Hand protection: Protective gloves. Eye protection: Eye protection designed to protect against liquid splashes should be worn. Skin protection: Overalls are normally suitable, PVC apron if risk of splashing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid
 Colour: Translucent
 Odour: Barely perceptible odour
 Solubility in water: Easily soluble in the following materials: cold water
 Miscible in all proportions
 Viscosity: Viscous
 Boiling point/range: Approx 100
 Flash point: >100
 Relative density: Approx 1
 pH: 7-8
 VOC g/l: 44

9.2. Other information

Other information: Not applicable.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability Chemical stability: Stable under normal conditions.

Chemical stability: Stable under normal storage and handling conditions (see Section 7).

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid Conditions to avoid:

Conditions to avoid: Not applicable. For ideal storage conditions see section 7.

10.5. Incompatible materials

Materials to avoid: Oxidising agents. Strong acids.

10.6. Hazardous decomposition products

Haz. decomp. products: In a fire, hazardous decomposition products such as smoke and carbon monoxide may be produced.

Section 11: Toxicological information

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

There are no data available on the mixture itself. The product is not classified as hazardous according to Regulation (EC) 1272/2008 as amended.

Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

If splashed in the eyes, the liquid may cause irritation and reversible damage.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
1,2-benzisothiazol-3(2H)- one	LD50 Oral	Mouse	1150 mg/kg	-
	LD50 Oral	Rat	1020 mg/kg	-

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Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
Product as supplied 1,2-benzisothiazol-3(2H)-one	N/A 500	N/A N/A	N/A N/A	345.9 N/A	N/A 0.05

Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
1,2-benzisothiazol-3(2H)-one	Skin - Mild irritant	Human	-	48 hours 5 %	-

Conclusion/Summary : Not available.

Sensitization

Conclusion/Summary : Not available.

Mutagenicity

Conclusion/Summary : Not available.

Carcinogenicity

Conclusion/Summary : Not available.

Reproductive toxicity

Conclusion/Summary : Not available.

Teratogenicity

Conclusion/Summary : Not available. Specific target organ toxicity (single exposure) Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available.

Information on the likely : routes of exposure

Potential acute health effects Eye contact :

Not available.

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 of Eye contact :No specific data.

Inhalation Skin contact Ingestion

: No specific data.

: No specific data.

: No specific data.

Delayed and immediate effects and also chronic effects from short- and long-term exposure Short term exposure

Potential immediate effects

: Not available.

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Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact.

Eye contact: There may be irritation and redness.

Ingestion: There may be irritation of the throat.

Inhalation: No symptoms.

11.1 Information on other hazards

11.1.1 Endocrine disrupting properties

Not available.

11.1.2 Other information

No additional information.

Section 12: Ecological information

12.1. Toxicity

There is no data available on the mixture itself. Do not allow to enter drains or watercourses.

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is not classified as hazardous to the environment but contains substance(s) hazardous to the environment. See section 3 for details.

Product/ingredient name	Result	Species	Exposure
1,2-benzisothiazol-3(2H)-one	Acute EC50 97 ppb Fresh water	Daphnia - Daphnia magna	48 hours
	EC50 2.24 ppm Fresh water	Acute EC50 Daphnia - Daphnia magna	48 hours
	3.7 ppm Fresh water	Acute EC50 1.1 Daphnia - Daphnia magna	48 hours
	ppm Fresh water	Acute EC50 2 ppm Daphnia - Daphnia magna	48 hours
	Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 10 to 20 mg/l Fresh water	Crustaceans - Ceriodaphnia dubia	48 hours
	Acute LC50 540 ppb Fresh water	Acute LC50 Fish - Lepomis macrochirus	Fish 96 hours
	LC50 167 ppb Fresh water	Acute LC50 - Oncorhynchus mykiss	Fish - 96 hours
	0.75 ppm Fresh water	Acute LC50 1.8 Oncorhynchus mykiss	Fish - 96 hours
	ppm Fresh water	Acute LC50 1.6 ppm Oncorhynchus mykiss	Fish - 96 hours

Conclusion/Summary : Not available.

12.2. Persistence and degradability

Persistence and degradability: Biodegradable.

12.3. Bioaccumulative potential Bioaccumulative potential:

No bioaccumulation potential.

12.4. Mobility in soil Mobility:

Readily absorbed into soil.

12.5. Results of PBT and vPvB assessment

PBT identification: This substance is not identified as a PBT substance.

12.6. Other adverse effects Other adverse effects: Negligible ecotoxicity.

Section 13: Disposal considerations

13.1. Waste treatment methods

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

Transport class: This product does not require a classification for transport.

14.1. UN number UN number:

Not hazardous

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14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

Environmentally hazardous: No Marine pollutant:

14.6. Special precautions for user

Special precautions: No special precautions.

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture 15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information * indicates text in the SDS which has changed since the last revision.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.

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