



# 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 VARNISH AND PAINT REMOVER

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

#### Use of the substance/mixture:

SU 21 Consumer uses: Private households/general public/consumers

SU 22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen);

Paint and varnish remover

Use advised against: No information available.

### 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: laboratory@polyvine.co.uk

### 1.4. Emergency telephone number

Tel: 0044 1934 740305 (Office hours only)

## Section 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]: Not Classified

Additional information: For full text of Hazard- and EU Hazard-statements: see section 16

### 2.2. Label elements

Label elements: Precautionary statements: P102: Keep out of reach of children, P301+312: IF SWALLOWED: Call a POISON CENTER/doctor/ if you feel unwell. P262: Do not get in eyes, on skin, or on clothing. P280: Wear protective gloves and eye protection, P302+350: IF ON SKIN: Gently wash with plenty of soap and water. P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 2.3. Other hazards

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

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

Chemical Name	Conc.	CAS No.	EC No.	Classification (REGULATION (EC) No 1272/2008) [CLP/GHS]	SCL/ M-Factor/ ATE	REACH Registration Number	WEL/ OEL
Triethyl phosphate	< 10%	78-40-0	201-114-5	Acute Tox. 4, H302 Eye Irrit. 2, H319	-	01-2119492852-28-XXXX	No

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**Section 4: First aid measures****4.1. Description of first aid measures**

Contact with eyes:

If substance has got into eyes, immediately wash out with plenty of water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Irrigate eyes thoroughly whilst lifting eyelids.

If eye irritation persists: Get medical advice/attention.

Contact with skin:

Remove contaminated clothing.

Gently wash with plenty of soap and water.

If skin irritation occurs: Get medical advice/attention.

Ingestion:

Rinse mouth with water (do not swallow). Do NOT induce vomiting.

Never make an unconscious person vomit or drink fluids. Get medical advice/attention if you feel unwell.

Inhalation:

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

If exposed or concerned: Call a doctor.

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

Contact with eyes:

May cause redness and irritation.

Contact with skin

May cause redness and irritation.

Ingestion:

The ingestion of significant quantities may cause nausea/vomiting The ingestion of significant quantities may cause diarrhea.

Inhalation:

In cases of severe exposure, irritation of the respiratory tract may develop.

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

Treat symptomatically.

**Section 5: Fire-fighting measures****5.1. Extinguishing media**Water spray, fog or mist. Do NOT use water jet. Carbon dioxide (CO<sub>2</sub>). 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.

**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:**

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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**

See section(s): 7, 8 &amp; 13

**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.

Triethyl phosphate

DNEL (inhalational) 9.9 mg/m<sup>3</sup> Industry, Long Term, Systemic Effects DNEL (dermal) 2 mg/kg (bw/day) Industry, Long Term, Systemic Effects DNEL (inhalational) 1.74 mg/m<sup>3</sup> Consumer, Long Term, Systemic Effects DNEL (dermal) 1 mg/kg (bw/day) Consumer, Long Term, Systemic Effects DNEL (oral) 1 mg/kg (bw/day) Consumer, Long Term, Systemic Effects

DNEL (oral) 5 mg/kg (bw/day) Consumer, Acute/Short Term, Systemic Effects PNEC aqua (freshwater) 632 µg/L

PNEC aqua (intermittent releases, freshwater) 9 mg/L PNEC aqua (marine water) 63.2 µg/L

PNEC (STP) 298.5 mg/L

PNEC sediment (freshwater) 5 mg/kg PNEC sediment (marine water) 500 µg/kg PNEC terrestrial (soil) 640 µg/kg

**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 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.

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**Section 9: Physical and chemical properties**
**9.1. Information on basic physical and chemical properties**

Physical state: Liquid (emulsion, gel)

Colour: White

Odour: No information available

Melting point/freezing point: &lt; -10 °C

Boiling point or initial boiling point and boiling range: Approx. 100 °C

Flammability: Not flammable

Lower and upper explosion limit: Not applicable

Flash point: Not applicable

Auto-ignition temperature: No information available

Decomposition temperature: Not applicable

pH: 7 (as supplied)

Kinematic viscosity: No information available

Solubility: No information available

Partition coefficient n-octanol/water (log value): No information available

Vapour pressure: No information available

Density and/or relative density: No information available

Relative vapour density: No information available

Particle characteristics: Not applicable

**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

Acute Toxicity

Based on the available data, the classification criteria are not met

Substances

Chemical Name	LD <sub>50</sub> (oral, rat)	LC <sub>50</sub> (inhalation, rat)	LD <sub>50</sub> (dermal, rabbit)
Triethyl phosphate	1 600 mg/kg	(4 h) 8.817 mg/L	No data available

Skin corrosion/irritation

Based on available data, the classification criteria are not met

Serious eye damage/irritation

Based on available data, the classification criteria are not met

Respiratory or skin sensitisation

Based on available data, the classification criteria are not met

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Germ cell mutagenicity  
 No evidence of mutagenic effects  
 Carcinogenicity  
 No evidence of carcinogenic effects  
 Reproductive toxicity  
 No evidence of reproductive effects  
 Specific target organ toxicity (STOT) - single exposure  
 Based on the available data, the classification criteria are not met  
 Specific target organ toxicity (STOT) - repeated exposure  
 Based on the available data, the classification criteria are not met

## Substances

Chemical Name	NOAEL (oral, rat)	NOAEC (inhalation, rat)	NOAEL (dermal, rat)
Triethyl phosphate	200 mg/kg bw/day	No data available	No data available

Aspiration hazard  
 Based on the available data, the classification criteria are not met  
 Contact with eyes  
 May cause redness and irritation  
 Contact with skin  
 May cause redness and irritation  
 Ingestion  
 The ingestion of significant quantities may cause nausea/vomiting The ingestion of significant quantities may cause diarrhea  
 Inhalation  
 In cases of severe exposure, irritation of the respiratory tract may develop  
 Information on other hazards  
 Does not contain any substances with endocrine disrupting properties

**Section 12: Ecological information****12.1. Toxicity**

Based on available data, the classification criteria are not met

## Substances

Chemical Name	LC <sup>50</sup> (fish)	EC <sup>50</sup> (aquatic invertebrates)	EC <sup>50</sup> (aquatic algae)
Triethyl phosphate	(4 days) 100 - 2400 mg/L	(24 h) 900 - 950 mg/L	(72 h) 901 mg/L

**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**

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

**Section 14: Transport information**

Not classified as hazardous for transport

- 14.1 UN number or ID number  
UN No.: Not applicable
- 14.2 UN proper shipping name  
Proper Shipping Name: Not applicable
- 14.3 Transport hazard class(es)  
Hazard Class: Not applicable
- 14.4 Packing group  
Packing Group: Not applicable
- 14.5 Environmental hazards  
Not classified as hazardous for transport
- 14.6 Special precautions for user  
No information available
- 14.7 Maritime transport in bulk according to IMO instruments  
Not applicable
- 14.8 Road/Rail (ADR/RID)  
Proper Shipping Name: Not applicable  
ADR UN No.: Not applicable  
ADR Hazard Class: Not applicable  
ADR Packing Group: Not applicable  
Tunnel Code: Not applicable
- 14.9 Sea (IMDG)  
Proper Shipping Name: Not applicable  
IMDG UN No.: Not applicable  
IMDG Hazard Class: Not applicable  
IMDG Pack Group.: Not applicable
- 14.10 Air (ICAO/IATA)  
Proper Shipping Name: Not applicable  
ICAO UN No.: Not applicable  
ICAO Hazard Class: Not applicable  
ICAO Packing Group: Not applicable

**Section 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture 15.2.****Chemical Safety Assessment**

This safety data sheet is provided in compliance with REACH Regulation (EC) No 1907/2006 (as amended by Regulation (EU) 2020/878) and UK REACH

Regulation (EC) No. 1272/2008 on the classification, labelling and packaging of substances and mixtures (CLP Regulation) applies in Europe

The GB Classification, Labelling and Packaging Regulation (GB CLP) applies in Great Britain

## 15.1 Chemical safety assessment

A REACH chemical safety assessment has been carried out for triethyl phosphate

**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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Revision No. 2.0.0. Revised May 2016.

Changes made: Addition of EUH210 in Sub-section 2.2 and removal of references to DSD/DPD Directives

Revision No. 3.0.0. Revised February 2021.

Changes made: Revised to conform to new version of REACH.

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Based on available data, the classification criteria are not met

Text not given with phrase codes where they are used elsewhere in this safety data sheet:

H302: Harmful if swallowed

H319: Causes serious eye irritation.

## Acronyms

ATE: Acute Toxicity Estimate

CAS: Chemical Abstracts Service

DNEL: Derived No-Effect Level

EC: European Community

EC<sub>50</sub>: Effective Concentration, 50%

GHS: Globally Harmonised System

LC<sub>50</sub>: Lethal Concentration, 50%LD<sub>50</sub>: Lethal Dose, 50%

NOAEC: No observed adverse effect concentration

NOAEL: No observed adverse effect level

OEL: Occupational Exposure Limit

PBT: Persistent, Bioaccumulative and Toxic

PNEC: Predicted No-Effect Concentration

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals

SCL: Specific Concentration Limit

vPvB: very Persistent and very Bioaccumulative

WEL: Workplace Exposure Limit

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