

Revised: 19 April 2023

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**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: Painters Prep (Grease, wax, oil, resins, tar, ink, magic marker, paint, varnish, lacquer, stains, dirt, mould etc)

**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); Cleaning Agent

Use advised against: No information available

**1.3 Details of the supplier of the safety data sheet**

Name of Supplier: Eco Solutions Limited

Address of Supplier: Stonecroft  
1 Court Hay  
Easton in Gordano  
BS20 0PY

Telephone: 00 44 (0) 1934 844484

Email: info@ecosolutions.co.uk

**1.4 Emergency telephone number**

Emergency Telephone: 00 44 (0) 1934 844484 (24hr)

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**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**

Hazard pictograms: None

Signal Word: None

Hazard statements

None

Precautionary statements

None

Supplemental Hazard information (EU)

EUH210 - Safety data sheet available on request.

**2.3 Other hazards**

May cause irritation to skin, eyes and the respiratory tract.

Not a PBT according to REACH Annex XIII

Not a vPvB according to REACH Annex XIII

Does not contain any substances with endocrine disrupting properties

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**SECTION 3: Composition/information on ingredients****3.1 Substances**

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**SECTION 3: Composition/information on ingredients (....)**

Not applicable

**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

**SECTION 4: First aid measures****4.1 Description of first aid measures**

Rescuers should put on approved personal protective equipment (PPE) before administering first aid

**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 diarrhoea

**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: Firefighting measures****5.1 Extinguishing media**

Suitable extinguishing media: Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions

Unsuitable extinguishing media: No information available

**5.2 Special hazards arising from the substance or mixture**

Gives off irritating or toxic fumes (or gases) in a fire.

**5.3 Advice for firefighters**

In case of fire: Stop leak if safe to do so.

Keep container(s) exposed to fire cool, by spraying with water

Collect contaminated fire extinguishing water separately. This MUST not be discharged into drains.

Prevent fire extinguishing water from contaminating surface or ground water.

Special protective equipment: Wear self-contained breathing apparatus (SCBA). Wear full protective clothing including chemical protection suit.

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**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Rescuers should take suitable precautions to avoid becoming casualties themselves

Only trained and authorised personnel should carry out emergency response

Personal precautions for non-emergency personnel: Avoid breathing vapours, mist or gas; Avoid contact with skin and eyes; Wear protective clothing as per section 8; Wash thoroughly after dealing with spillage

Personal precautions for emergency responders: Wear chemical protection suit; Wear self-contained breathing apparatus (SCBA)

**6.2 Environmental precautions**

Avoid release to the environment.

Do not allow to enter public sewers and watercourses

**6.3 Methods and material for containment and cleaning up**

Stop leak if safe to do so.

**Small spills**

Wipe up spillage with damp absorbent cloth or towel

Wash spill site with water and detergent

**Large spills**

Evacuate the area and keep personnel upwind

Contain the spillage using bunding

Absorb spillage in inert material and shovel up

Place in appropriate container

Seal containers and label them

Remove contaminated material to safe location for subsequent disposal

Ventilate the area and wash spill site after material pick-up is complete

**6.4 Reference to other sections**

See section(s): 7, 8 & 13

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**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Ensure adequate ventilation

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**SECTION 7: Handling and storage (....)**

Avoid breathing vapours, mist or gas  
Do not get in eyes, on skin, or on clothing.  
Contaminated clothing should be laundered before reuse  
Do not eat, drink or smoke when using this product.  
Eyewash bottles should be available

**7.2 Conditions for safe storage, including any incompatibilities**

Store in a well-ventilated place. Keep cool.  
Avoid freezing  
Protect from sunlight.  
Keep only in original packaging.  
Keep container tightly closed.  
Keep out of reach of children  
Keep away from food, drink and animal feedingstuffs  
Incompatible with strong acids, alkalis (strong bases), and strong oxidizing substances

**7.3 Specific end use(s)**

Surface Preparation

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**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

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 exposure - Measurement of exposure by inhalation to chemical agents - Strategy for testing compliance with occupational exposure limit values). 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 exposure. 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**

Selection and use of personal protective equipment should be based on a risk assessment of exposure potential

**Engineering controls**

Ensure adequate ventilation  
Engineering controls should be provided which maintain airborne concentrations as low as practicable

**Respiratory protection**

No respiratory protection is needed during normal handling

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## SECTION 8: Exposure controls/personal protection (....)

Respiratory protection may be required under exceptional circumstances when excessive air contamination exists

Where a reusable half mask respirator is required, use EN 140, with gas/vapour filter EN 14387 type ABEK, or EN 405; EN 1827

Where a full face mask respirator is required, use EN 136, with gas/vapour filter EN 14387 type ABEK

### Skin protection

Wear suitable protective clothing

Wear protective gloves. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and standard EN 374.

The selection of a suitable glove depends on work conditions and whether the product is present on its own or in combination with other substances. Breakthrough time is dependent on the characteristics of the brand of glove used and the supplier should be consulted.

PVC or rubber gloves are recommended

### Eye/face protection

Wear safety glasses approved to standard EN 166.

### Thermal hazards

Not applicable

### Hygiene measures

Use good personal hygiene practices

Wash thoroughly after handling.

Contaminated clothing should be laundered before reuse

Eyewash bottles should be available

### Environmental exposure controls

Do not allow to enter public sewers and watercourses

Do not allow to penetrate the ground/soil.



## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Clear
Odour:	No information available
Melting point/freezing point:	< -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

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**SECTION 9: Physical and chemical properties (....)**

## 9.2 Other information

No information available

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**SECTION 10: Stability and reactivity**

## 10.1 Reactivity

No hazardous reactions known if used for its intended purpose

## 10.2 Chemical stability

Considered stable under normal conditions

## 10.3 Possibility of hazardous reactions

No hazardous reactions known if used for its intended purpose

## 10.4 Conditions to avoid

Keep away from heat and sources of ignition

Avoid extremes of temperature

Keep away from direct sunlight

## 10.5 Incompatible materials

Incompatible with strong acids, alkalis (strong bases), and strong oxidizing substances

## 10.6 Hazardous decomposition products

Decomposition products may include carbon oxides and phosphorus oxides

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**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

## Substances

Chemical Name	Irritation/corrosion
Triethyl phosphate	No adverse effect observed (not irritating)

## Serious eye damage/irritation

Based on available data, the classification criteria are not met

## Substances

Chemical Name	Irritation/corrosion
Triethyl phosphate	Adverse effect observed (irritating)

## Respiratory or skin sensitisation

Based on available data, the classification criteria are not met

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**SECTION 11: Toxicological information (....)**

## Substances

Chemical Name	Skin sensitisation	Respiratory sensitisation
Triethyl phosphate	No adverse effect observed (not sensitising)	No study available

Germ cell mutagenicity

No evidence of mutagenic effects

## Substances

Chemical Name	Toxicity - In Vitro	Toxicity - In Vivo
Triethyl phosphate	No data available	No data available

Carcinogenicity

No evidence of carcinogenic effects

## Substances

Chemical Name	NOAEL (oral, rat)	NOAEC (inhalation, rat)	NOAEL (dermal, rat)
Triethyl phosphate	No data available	No data available	No data available

Reproductive toxicity

No evidence of reproductive effects

## Substances

Chemical Name	NOAEL (oral, rat)	NOAEC (inhalation, rat)	NOAEL (dermal, rat)
Triethyl phosphate	No data available	No data available	No data available

Specific target organ toxicity (STOT) - single exposure

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

## Substances

Chemical Name	Route	Remarks
Triethyl phosphate	Respiratory	No study available

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 diarrhoea

Inhalation

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

## 11.2 Information on other hazards

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**SECTION 11: Toxicological information (....)**

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 <sub>50</sub> (fish)	EC <sub>50</sub> (aquatic invertebrates)	EC <sub>50</sub> (aquatic algae)
Triethyl phosphate	(4 days) 100 - 2 400 mg/L	(24 h) 900 - 950 mg/L	(72 h) 901 mg/L

**12.2 Persistence and degradability**

No information available

**Substances**

Chemical Name	Biodegradation
Triethyl phosphate	Under test conditions no biodegradation observed (100%)

**12.3 Bioaccumulative potential**

Bioaccumulation is not expected

**Substances**

Chemical Name	Bioconcentration Factor (BCF)	Log Kow
Triethyl phosphate	Low potential for bioaccumulation	(Log Pow) 1.11 @ 20 °C

**12.4 Mobility in soil**

No information available

**Substances**

Chemical Name	Adsorption/desorption
Triethyl phosphate	Koc 43.9 @ 20°C

**12.5 Results of PBT and vPvB assessment**

Not a PBT according to REACH Annex XIII

Not a vPvB according to REACH Annex XIII

**12.6 Endocrine disrupting properties**

Does not contain any substances with endocrine disrupting properties

**12.7 Other adverse effects**

No information available

**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

Disposal should be in accordance with local, state or national legislation

Do not pierce or burn container, even after use

Do not reuse empty containers without commercial cleaning or reconditioning

**13.2 Classification**

The waste must be identified according to the List of Wastes (2000/532/EC)

Hazardous Property Code(s): None assigned



**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 Packing 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

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**SECTION 15: Regulatory information****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

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

**15.2 Chemical safety assessment**

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

**SECTION 16: Other information**

The information supplied in this Safety Data Sheet is designed only as guidance for the safe use, storage and handling of the product. This information is correct to the best of our knowledge and belief at the date of publication, however no guarantee is made to its accuracy. This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process.

Sources of data: Information from published literature and supplier safety data sheets

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.

Revision No. 4.0.0. Revised April 2023.

Changes made: New data on triethyl phosphate in sections 11 and 12.

**Training advice**

Workers must be informed of the presence of hazardous ingredients and trained in the proper use and handling of this product as required under applicable regulations

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