



# SAFETY DATA SHEET

This safety data sheet was created pursuant to the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

**SIMSON PREP M**  
Supersedes Date: 23-May-2022

Revision date 06-Dec-2022  
Revision Number 1.1

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

### 1.1. Product identifier

Product Name SIMSON PREP M  
Pure substance/mixture Mixture

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

Recommended use Primers  
Uses advised against None known

### 1.3. Details of the supplier of the safety data sheet

#### Company Name

Bostik Limited  
Common Rd  
ST16 3EH  
Stafford UK  
Tel: +44 (1785) 27 26 25  
Fax: +44 (1785) 25 72 36

E-mail address SDS.box-EU@bostik.com

### 1.4. Emergency telephone number

United Kingdom Bostik: +44 (1785) 272650  
NHS: 111

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Aspiration hazard	Category 1 - (H304)
Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 1 - (H318)
Reproductive toxicity	Category 2 - (H361)
Specific target organ toxicity — single exposure	Category 3 - (H336)
Chronic aquatic toxicity	Category 2 - (H411)
Flammable liquids	Category 2 - (H225)

### 2.2. Label elements

Contains Alkanes, C7-10-iso-, Butyl titanate, Toluene

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**Signal word**  
Danger

## Hazard statements

H304 - May be fatal if swallowed and enters airways.  
H315 - Causes skin irritation.  
H318 - Causes serious eye damage.  
H336 - May cause drowsiness or dizziness.  
H361d - Suspected of damaging the unborn child.  
H411 - Toxic to aquatic life with long lasting effects.  
H225 - Highly flammable liquid and vapour.

## Precautionary Statements - EU (§28, 1272/2008)

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking  
P271 - Use only outdoors or in a well-ventilated area  
P273 - Avoid release to the environment  
P280 - Wear protective gloves/protective clothing/eye protection/face protection  
P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
P331 - Do NOT induce vomiting  
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P310 - Immediately call a POISON CENTER or doctor/physician  
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

## Special provisions concerning the labelling of certain mixtures

Restricted to professional users.

## Additional information

This product requires tactile warnings if supplied to the general public. This product requires child resistant fastenings if supplied to the general public.

## 2.3. Other hazards

In use, may form flammable/explosive vapour-air mixture.

## PBT & vPvB

This mixture contains no substance considered to be persistent, bioaccumulating or toxic (PBT). This mixture contains no substance considered to be very persistent nor very bioaccumulating (vPvB).

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable

### 3.2 Mixtures

Chemical name	EC No (EU Index No)	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH registration number

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Alkanes, C7-10-iso-	292-458-5	90622-56-3	80 - 100	STOT SE 3 (H336) Asp. Tox. 1 (H304) Skin Irrit. 2 (H315) Aquatic Chronic 2 (H411) Flam. Liq. 2 (H225)	-	01-2119471305-42-XXXX
Butyl titanate	227-006-8	5593-70-4	5 - <10	STOT SE 3 (H335) STOT SE 3 (H336) Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Flam Liq. 3 (H226)	-	01-2119967423-33-XXXX
Toluene	(601-021-00-3) 203-625-9	108-88-3	1 - <5	Skin Irrit. 2 (H315) Repr. 2 (H361d) STOT SE 3 (H336) STOT RE 2 (H373) Asp. Tox. 1 (H304) Aquatic Chronic 3 (H412) Flam. Liq. 2 (H225)	-	01-2119471310-51-XXXX
Ethyl silicate	(014-005-00-0) 201-083-8	78-10-4	1 - <2.5	Acute Tox. 4 (H332) Eye Irrit. 2 (H319) STOT SE 3 (H335) Flam. Liq. 3 (H226)	-	01-2119496195-28-xxxx

**Full text of H- and EUH-phrases: see section 16**

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

<b>General advice</b>	If medical advice is needed, have product container or label at hand.
<b>Inhalation</b>	Remove to fresh air. Aspiration into lungs can produce severe lung damage. Delayed pulmonary edema may occur.
<b>Eye contact</b>	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Consult an ophthalmologist.

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<b>Skin contact</b>	Wash off immediately with soap and plenty of water. If skin irritation or rash occurs: Get medical advice/attention.
<b>Ingestion</b>	Do NOT induce vomiting. Call a doctor immediately. If swallowed, rinse mouth with water (only if the person is conscious). ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.
<b>Self-protection of the first aider</b>	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Remove all sources of ignition.

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

<b>Symptoms</b>	Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting. Difficulty in breathing.
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## **4.3. Indication of any immediate medical attention and special treatment needed**

<b>Note to doctors</b>	Because of the danger of aspiration, emesis or gastric lavage should not be used unless the risk is justified by the presence of additional toxic substances. Delayed pulmonary edema may occur.
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## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

**Suitable Extinguishing Media** Dry chemical. Carbon dioxide (CO<sub>2</sub>). Water spray. Alcohol resistant foam.

**Unsuitable extinguishing media** Full water jet.

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

**Specific hazards arising from the chemical** Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray.

**Hazardous combustion products** Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

### **5.3. Advice for firefighters**

**Special protective equipment and precautions for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Ensure adequate ventilation. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Avoid breathing vapours or mists. Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.

**Other information** Prevent further leakage or spillage if safe to do so.

**For emergency responders** Use personal protection recommended in Section 8.

### **6.2. Environmental precautions**

**Environmental precautions** Prevent product from entering drains. Do not allow to enter into soil/subsoil.

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

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**Methods for containment** Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

**Methods for cleaning up** Take up mechanically, placing in appropriate containers for disposal. Take precautionary measures against static discharges.

**Prevention of secondary hazards** Eliminate all ignition sources if safe to do so.

## 6.4. Reference to other sections

**Reference to other sections** See section 8 for more information. See section 13 for more information.

## **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

**Advice on safe handling** Use with local exhaust ventilation. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not breathe vapour or mist. Avoid contact with skin, eyes or clothing. Use personal protection equipment. Take precautionary measures against static discharges.

**General hygiene considerations** Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Keep away from food, drink and animal feedingstuffs.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage Conditions** Protect from moisture. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Store in accordance with the particular national regulations.

**Recommended storage temperature** Keep at temperatures between 5 and 25 °C.

### 7.3. Specific end use(s)

**Specific use(s)**  
Primers.

**Risk Management Methods (RMM)** The information required is contained in this Safety Data Sheet.

**Other information** Observe technical data sheet.

## **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

#### Exposure Limits

Chemical name	European Union	United Kingdom
Toluene 108-88-3	TWA: 50 ppm TWA: 192 mg/m <sup>3</sup> *	TWA: 50 ppm TWA: 191 mg/m <sup>3</sup> STEL: 100 ppm STEL: 384 mg/m <sup>3</sup> Sk*
Ethyl silicate 78-10-4	TWA: 44 mg/m <sup>3</sup> TWA: 5 ppm	TWA: 5 ppm TWA: 44 mg/m <sup>3</sup> STEL: 15 ppm STEL: 132 mg/m <sup>3</sup>

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Chemical name	European Union	Ireland	United Kingdom
Toluene 108-88-3	-	0.02 mg/L (blood - Toluene prior to last shift of workweek) 0.03 mg/L (urine - Toluene end of shift) 0.3 mg/g Creatinine (urine - o-Cresol end of shift)	-

**Derived No Effect Level (DNEL)** No information available

<b>Derived No Effect Level (DNEL)</b>			
<b>Butyl titanate (5593-70-4)</b>			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Long term Systemic health effects	Inhalation	127 mg/m <sup>3</sup>	

<b>Toluene (108-88-3)</b>			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Long term Systemic health effects worker	Dermal	384 mg/kg bw/d	
Long term Systemic health effects Local health effects worker	Inhalation	192 mg/m <sup>3</sup>	
Short term Systemic health effects worker	Inhalation	384 mg/m <sup>3</sup>	
worker Long term Local health effects	Inhalation	192 mg/m <sup>3</sup>	
worker Short term Local health effects	Inhalation	384 mg/m <sup>3</sup>	

<b>Ethyl silicate (78-10-4)</b>			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
worker Short term Systemic health effects	Dermal	12.1 mg/kg bw/d	
worker Systemic health effects Long term	Dermal	12.1 mg/kg bw/d	
worker Short term Systemic health effects	Inhalation	85 mg/m <sup>3</sup>	
worker Short term Local health effects	Inhalation	85 mg/m <sup>3</sup>	
worker Long term Systemic health effects	Inhalation	85 mg/m <sup>3</sup>	
worker Long term Local health effects	Inhalation	85 mg/m <sup>3</sup>	

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<b>Derived No Effect Level (DNEL)</b>			
<b>Butyl titanate (5593-70-4)</b>			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Inhalation	152 mg/m <sup>3</sup>	
Consumer Long term Systemic health effects	Dermal	37.5 mg/kg bw/d	
Consumer Long term Systemic health effects	Oral	3.75 mg/kg bw/d	

<b>Toluene (108-88-3)</b>			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Long term Systemic health effects	Inhalation	56.5 mg/m <sup>3</sup>	
Consumer Short term Systemic health effects	Inhalation	226 mg/m <sup>3</sup>	
Consumer Long term Local health effects	Inhalation	56 mg/m <sup>3</sup>	
Consumer Local health effects Short term	Inhalation	226 mg/m <sup>3</sup>	
Consumer Long term Systemic health effects	Dermal	226 mg/kg bw/d	
Consumer Long term Systemic health effects	Oral	8.13 mg/kg bw/d	

<b>Ethyl silicate (78-10-4)</b>			
Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer Short term Systemic health effects	Dermal	8.4 mg/kg bw/d	
Consumer Long term Systemic health effects	Dermal	8.4 mg/kg bw/d	
Consumer Short term Systemic health effects	Inhalation	25 mg/m <sup>3</sup>	
Consumer Short term Local health effects	Inhalation	25 mg/m <sup>3</sup>	
Consumer Long term Systemic health effects	Inhalation	25 mg/m <sup>3</sup>	
Consumer Long term Local health effects	Inhalation	25 mg/m <sup>3</sup>	

**Predicted No Effect Concentration** No information available.

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(PNEC)

Predicted No Effect Concentration (PNEC)	
<b>Butyl titanate (5593-70-4)</b>	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.08 mg/l
Marine water	0.008 mg/l
Microorganisms in sewage treatment	65 mg/l
Freshwater sediment	0.0687 mg/kg dry weight
Marine sediment	0.0069 mg/kg dry weight
Soil	0.0168 mg/kg dry weight

Toluene (108-88-3)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.68 mg/l
Marine water	0.68 mg/l
Sewage treatment plant	13.61 mg/l
Freshwater sediment	16.39 mg/kg dry weight
Marine sediment	16.39 mg/kg dry weight
Soil	2.89 mg/kg dry weight

Ethyl silicate (78-10-4)	
Environmental compartment	Predicted No Effect Concentration (PNEC)
Freshwater	0.192 mg/l
Marine water	0.0192 mg/l
Freshwater sediment	0.18 mg/kg dry weight
Marine sediment	0.018 mg/kg dry weight
Soil	0.05 mg/kg

## 8.2. Exposure controls

**Engineering controls** Ensure adequate ventilation, especially in confined areas. Vapours/aerosols must be exhausted directly at the point of origin.

### Personal protective equipment

**Eye/face protection**  
**Hand protection**

Tight sealing safety goggles. Eye protection must conform to standard EN 166.  
Wear suitable gloves. Recommended Use: Fluoro carbon rubber (FKM). Glove thickness > 0.7mm. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. The breakthrough time for the mentioned glove material is in general greater than 240 min. Gloves must conform to standard EN 374

**Skin and body protection**  
**Respiratory protection**

Suitable protective clothing.  
In case of inadequate ventilation wear respiratory protection. During spraying wear suitable respiratory equipment. Wear a respirator conforming to EN 140 with Type A/P2 filter or better.

**Recommended filter type:**

Organic gases and vapours filter conforming to EN 14387. Brown. White.

**Environmental exposure controls** Do not allow uncontrolled discharge of product into the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**Physical state** Liquid  
**Colour** Light yellow  
**Odour** Slight. Solvent.  
**Odour threshold** No information available

#### Property

**Melting point / freezing point** No data available  
**Initial boiling point and boiling range** 116 - 142 °C  
**Flammability** Not applicable for liquids .

#### Remarks • Method

None known

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<b>Flammability Limit in Air</b>		None known
<b>Upper flammability or explosive limits</b>	7.0 Vol.%	
<b>Lower flammability or explosive limits</b>	0.9 Vol.%	
<b>Flash point</b>	approx 3 °C	ISO 13736
<b>Autoignition temperature</b>	370 °C	
<b>Decomposition temperature</b>		None known
<b>pH</b>	No data available	Not applicable. Insoluble in water.
<b>pH (as aqueous solution)</b>	No data available	
<b>Kinematic viscosity</b>	1 mm <sup>2</sup> /s	DIN 51562
<b>Dynamic viscosity</b>	0.76 mPa s	
<b>Water solubility</b>	Insoluble in water.	
<b>Solubility(ies)</b>	No data available	None known
<b>Partition coefficient</b>	No data available	None known
<b>Vapour pressure</b>	50	hPa @ 25 °C
<b>Relative density</b>	0.76	
<b>Bulk Density</b>	No data available	
<b>Density</b>	0.76 g/cm <sup>3</sup>	
<b>Relative vapour density</b>	No data available	None known
<b>Particle characteristics</b>		
<b>Particle Size</b>	No information available	
<b>Particle Size Distribution</b>	No information available	

## 9.2. Other information

<b>Solid content (%)</b>	approx 17	No data available
<b>VOC content</b>		No data available

9.2.1. Information with regards to physical hazard classes  
Not applicable

9.2.2. Other safety characteristics  
No information available

## **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

**Reactivity** Stable under recommended storage conditions.

### 10.2. Chemical stability

**Stability** Stable under normal conditions.

### **Explosion data**

<b>Sensitivity to mechanical impact</b>	None.
<b>Sensitivity to static discharge</b>	Yes.

### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** None under normal processing.

### 10.4. Conditions to avoid

**Conditions to avoid** Heat, flames and sparks. Protect from moisture.

### 10.5. Incompatible materials

**Incompatible materials** Strong acids. Strong bases. Strong oxidising agents.

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## 10.6. Hazardous decomposition products

**Hazardous decomposition products** Stable under recommended storage conditions.

## SECTION 11: Toxicological information

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

#### Information on likely routes of exposure

##### Product Information

<b>Inhalation</b>	May cause drowsiness or dizziness.
<b>Eye contact</b>	Causes serious eye damage.
<b>Skin contact</b>	Causes skin irritation.
<b>Ingestion</b>	Potential for aspiration if swallowed. Aspiration may cause pulmonary edema and pneumonitis. May be fatal if swallowed and enters airways.

#### Symptoms related to the physical, chemical and toxicological characteristics

**Symptoms** Difficulty in breathing. Coughing and/ or wheezing. Dizziness. May cause redness and tearing of the eyes. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

#### Acute toxicity

Based on available data, the classification criteria are not met

#### Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

<b>ATEmix (inhalation-dust/mist)</b>	246.20 mg/l
<b>ATEmix (inhalation-vapour)</b>	786.50 mg/l

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Alkanes, C7-10-iso-	>10000 ?L/kg (Rattus)	> 3160 µL/kg (Oryctolagus cuniculus)	>4504 ppm (Rattus) 4 h
Butyl titanate	=3122 mg/kg (Rattus)	>5000 mg/Kg (Oryctolagus cuniculus)	-
Toluene	=5580 mg/kg (Rattus)	= 12000 mg/kg (Oryctolagus cuniculus)	>20 mg/L (Rattus) 4 h
Ethyl silicate	LD50 > 2500 mg/kg (Rattus) OECD 423	= 5878 mg/kg (Oryctolagus cuniculus) = 6300 µL/kg (Oryctolagus cuniculus)	= 10 mg/L ( Rat male ) 4 h > 16.8 mg/L ( Rat female ) 4 h

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

**Skin corrosion/irritation** Irritating to skin.

Toluene (108-88-3)

Method	Species	Exposure route	Effective dose	Exposure time	Results
Regulation (EC) No. 440/2008, Annex, B.4	Rabbit	Dermal			Irritant

**Serious eye damage/eye irritation** Risk of serious damage to eyes.

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**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.

Toluene (108-88-3)

Method	Species	Exposure route	Results
Regulation (EC) No. 440/2008, Annex, B.6 (Maximisation test)	Guinea pig		No sensitisation responses were observed

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

Component Information  
Toluene (108-88-3)

Method	Species	Results
Regulation (EC) No. 440/2008, Annex, B.13/14 (Ames test)	Salmonella typhimurium	Not mutagenic
OECD Test No. 476: In vitro Mammalian Cell Gene Mutation Test	Mouse	Not mutagenic

**Carcinogenicity** Based on available data, the classification criteria are not met.

**Reproductive toxicity** Suspected of damaging fertility or the unborn child.

The table below indicates ingredients above the cut-off threshold considered as relevant which are listed as reproductive toxins.

Chemical name	European Union
Toluene	Repr. 2

Toluene (108-88-3)

Method	Species	Results
OECD 407	in vivo	reproductive toxicant

**STOT - single exposure** May cause drowsiness or dizziness.

**STOT - repeated exposure** Based on available data, the classification criteria are not met.

Toluene (108-88-3)

Method	Species	Exposure route	Effective dose	Exposure time	Results
Regulation (EC) No. 440/2008, Annex, B.26	Rat, male, female	Oral		91 days	NOAEL: 625 mg/kg
OECD Test No. 453: Combined Chronic Toxicity/Carcinogenicity Studies	Rat, male, female	Inhalation, vapour			NOAEL: 1.131 mg/l

**Aspiration hazard** May be fatal if swallowed and enters airways.

## 11.2. Information on other hazards

### 11.2.1. Endocrine disrupting properties

**Endocrine disrupting properties** No information available.

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## 11.2.2. Other information

Other adverse effects No information available.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecotoxicity Toxic to aquatic life with long lasting effects.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea	M-Factor	M-Factor (long-term)
Alkanes, C7-10-iso-90622-56-3	-	18.4 mg/L (Oncorhynchus mykiss)	-	EL50 (48h)= 2.4 mg/L (Daphnia magna)		
Butyl titanate 5593-70-4	-	1825 mg/l	-	1300 mg/l (Daphnia magna)		
Toluene 108-88-3	EC50 72 h = 12.5 mg/L (Pseudokirchneriella subcapitata)	LC50 96 h 5.89 - 7.81 mg/L (Oncorhynchus mykiss flow-through) LC50 96 h = 5.8 mg/L (Oncorhynchus mykiss semi-static)	EC50 = 19.7 mg/L 30 min	EC50: =11.5mg/L (48h, Daphnia magna) EC50: 5.46 - 9.83mg/L (48h, Daphnia magna)		
Ethyl silicate 78-10-4	EC 50 (72h) > 100 mg/L (Pseudokirchneriella subcapitata) OECD 201	LC50 (96h) > 245 mg/L (Danio rerio) EU Method C.1	-	-		

### 12.2. Persistence and degradability

Persistence and degradability No information available.

### 12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

### Component Information

Chemical name	Partition coefficient
Butyl titanate	0.84
Toluene	3.93
Ethyl silicate	3.18

### 12.4. Mobility in soil

Mobility in soil No information available.

### 12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB.

Chemical name	PBT and vPvB assessment
Butyl titanate	The substance is not PBT / vPvB
Toluene	The substance is not PBT / vPvB PBT assessment does not apply
Ethyl silicate	The substance is not PBT / vPvB PBT assessment does

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	not apply
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## 12.6. Endocrine disrupting properties

**Endocrine disrupting properties** No information available.

## 12.7. Other adverse effects

No information available.

## **SECTION 13: Disposal considerations**

### 13.1. Waste treatment methods

<b>Waste from residues/unused products</b>	Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.
<b>Contaminated packaging</b>	Handle contaminated packages in the same way as the product itself. Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers.
<b>European Waste Catalogue</b>	08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances
<b>Other information</b>	Waste codes should be assigned by the user based on the application for which the product was used.

## **SECTION 14: Transport information**

### Land transport (ADR/RID)

<b>14.1 UN number or ID number</b>	UN1993
<b>14.2 Proper Shipping Name</b>	Flammable liquid, n.o.s. (Alkanes, C7-10-iso-, Butyl titanate)
<b>14.3 Transport hazard class(es)</b>	3
<b>Labels</b>	3
<b>14.4 Packing group</b>	II
<b>Description</b>	UN1993, Flammable liquid, n.o.s. (Alkanes, C7-10-iso-, Butyl titanate), 3, II, (D/E), Environmentally Hazardous
<b>14.5 Environmental hazards</b>	Yes
<b>14.6 Special Provisions</b>	274, 601, 640C
<b>Classification code</b>	F1
<b>Tunnel restriction code</b>	(D/E)
<b>Limited quantity (LQ)</b>	1 L
<b>ADR Hazard Id (Kemmler Number)</b>	33

### IMDG

<b>14.1 UN number or ID number</b>	UN1993
<b>14.2 Proper Shipping Name</b>	Flammable liquid, n.o.s. (Alkanes, C7-10-iso-, Butyl titanate)
<b>14.3 Transport hazard class(es)</b>	3
<b>14.4 Packing group</b>	II
<b>Description</b>	UN1993, Flammable liquid, n.o.s. (Alkanes, C7-10-iso-, Butyl titanate), 3, II, (3°C c.c.), Marine Pollutant
<b>14.5 Marine pollutant</b>	P
<b>14.6 Special Provisions</b>	274
<b>Limited Quantity (LQ)</b>	1 L
<b>EmS-No</b>	F-E, S-E
<b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable

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## Air transport (ICAO-TI / IATA-DGR)

14.1 UN number or ID number UN1993  
14.2 Proper Shipping Name Flammable liquid, n.o.s. (Alkanes, C7-10-iso-, Butyl titanate)  
14.3 Transport hazard class(es) 3  
14.4 Packing group II  
Description UN1993, Flammable liquid, n.o.s. (Alkanes, C7-10-iso-, Butyl titanate), 3, II  
14.5 Environmental hazards Yes  
14.6 Special Provisions A3  
Limited quantity (LQ) 1 L  
ERG Code 3H

## **Section 15: REGULATORY INFORMATION**

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

#### European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

Check whether measures in accordance with Directive 94/33/EC for the protection of young people at work must be taken.

Take note of Directive 92/85/EC on the protection of pregnant and breastfeeding women at work

#### Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH) Regulation (EC 1907/2006)

##### **SVHC: Substances of Very High Concern for Authorisation:**

This product does not contain candidate substances of very high concern at a concentration  $\geq 0.1\%$  (Regulation (EC) No. 1907/2006 (REACH), Article 59)

##### **EU-REACH (1907/2006) - Annex XVII - Substances subject to Restriction**

This product contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII).

Chemical name	CAS No	Restricted substance per REACH Annex XVII
Toluene	108-88-3	48.

48 . Reserved for industrial and professional use. Adhesives or spray paint shall not be placed on the market containing above substance equal to or greater than 0.1% where supplied to the general public.

##### **Substance subject to authorisation per REACH Annex XIV**

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV)

##### **Dangerous substance category per Seveso Directive (2012/18/EU)**

P5a - FLAMMABLE LIQUIDS

P5b - FLAMMABLE LIQUIDS

P5c - FLAMMABLE LIQUIDS

E2 - Hazardous to the Aquatic Environment in Category Chronic 2

##### **Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

##### **Persistent Organic Pollutants**

Not applicable

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aromatic hydrocarbons	< 5%
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## National regulations

### 15.2. Chemical safety assessment

Chemical Safety Assessments have been carried out by the Reach registrants for substances registered at >10 tpa. No Chemical Safety Assessment has been carried out for this mixture

## **SECTION 16: Other information**

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### **Full text of H-Statements referred to under section 3**

H225 - Highly flammable liquid and vapour  
H226 - Flammable liquid and vapour  
H304 - May be fatal if swallowed and enters airways  
H315 - Causes skin irritation  
H318 - Causes serious eye damage  
H319 - Causes serious eye irritation  
H332 - Harmful if inhaled  
H335 - May cause respiratory irritation  
H336 - May cause drowsiness or dizziness  
H361d - Suspected of damaging the unborn child  
H373 - May cause damage to organs through prolonged or repeated exposure  
H411 - Toxic to aquatic life with long lasting effects  
H412 - Harmful to aquatic life with long lasting effects

#### **Legend**

TWA	TWA (time-weighted average)
STEL	STEL (Short Term Exposure Limit)
Ceiling	Ceiling Limit Value
*	Skin designation
SVHC	Substance(s) of Very High Concern
PBT	Persistent, Bioaccumulative, and Toxic (PBT) Chemicals
vPvB	Very Persistent and very Bioaccumulative (vPvB) Chemicals
STOT RE	Specific target organ toxicity - Repeated exposure
STOT SE	Specific target organ toxicity - Single exposure
EWC	European Waste Catalogue
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG	International Maritime Dangerous Goods (IMDG)
IATA	International Air Transport Association (IATA)
RID	Regulations concerning the International Transport of Dangerous Goods by Rail

#### **Key literature references and sources for data**

No information available

**Prepared By** Product Safety & Regulatory Affairs

**Revision date** 06-Dec-2022

#### **Indication of changes**

**Revision note** SDS sections updated: 2, 3, 9, 10, 11, 15, 16.

**Training Advice** When working with hazardous materials, regular training of operators is required by law

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**Further information** No information available

**Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)**

## **Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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 process, unless specified in the text.

**End of Safety Data Sheet**