

SIMSON PREP M
Supersedes Date: 16-Jun-2020

Revision date 22-Sep-2020
Revision Number 1.08

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 Consumer use.

1.3. Details of the supplier of the safety data sheet

Company Name

Bostik GmbH
 An der Bundesstrasse 16
 33829 Borgholzhausen, Germany
 Tel: +49 (0) 5425 / 801 0
 Fax: +49 (0) 5425 / 801 140

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

1.4. Emergency telephone number

Emergency Telephone No information available

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-, Toluene, Butyl titanate, Ethyl silicate



Signal word

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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.
H361 - Suspected of damaging fertility or 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

Additional information

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

Special provisions concerning the labelling of certain mixtures

Reserved for industrial and professional use.

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	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	REACH registration number
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		01-2119471305-42-XXXX

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				(H225)		
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	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	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

General advice	If medical advice is needed, have product container or label at hand.
Inhalation	Call a doctor immediately. Remove to fresh air. Aspiration into lungs can produce severe lung damage. Delayed pulmonary edema may occur.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Consult an ophthalmologist.
Skin contact	Wash off immediately with soap and plenty of water. Get medical attention if irritation develops and persists.
Ingestion	Do NOT induce vomiting. If swallowed, rinse mouth with water (only if the person is conscious). If vomiting occurs spontaneously, keep head below hips to prevent aspiration. ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND

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CAUSE DAMAGE.

Self-protection of the first aider Remove all sources of ignition. Use personal protective equipment as required. Avoid contact with skin, eyes or clothing.

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

Symptoms Burning sensation. Difficulty in breathing. Coughing and/ or wheezing. Dizziness. Inhalation of high vapour concentrations may cause symptoms like headache, dizziness, tiredness, nausea and vomiting.

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

Note to doctors 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.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Dry chemical. Carbon dioxide (CO₂). 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 dioxide (CO₂). Silicon dioxide.

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

Other information Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

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. Refer to protective measures listed in Sections 7 and 8.

6.3. Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for cleaning up Take precautionary measures against static discharges. Soak up with inert absorbent material. Pick up and transfer to properly labelled containers.

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Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

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 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use with local exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid breathing vapours or mists. Use personal protection equipment. Avoid contact with skin, eyes or clothing.

General hygiene considerations Do not eat, drink or smoke when using this product. Wash hands before breaks and immediately after handling the product. Take off all contaminated clothing and wash it before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep away from open flames, hot surfaces and sources of ignition. Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from moisture. Store in accordance with the particular national regulations.

7.3. Specific end use(s)

Specific use(s)
Primers.

Identified uses

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

Only European Community Occupational Exposure Limits will be shown in this document. Please refer to regional SDS for further information.

Chemical name	European Union
Toluene 108-88-3	TWA: 50 ppm TWA: 192 mg/m ³ *
Ethyl silicate 78-10-4	TWA: 44 mg/m ³ TWA: 5 ppm

Derived No Effect Level (DNEL) No information available

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

Toluene (108-88-3)

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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 ³	
Short term Systemic health effects worker	Inhalation	384 mg/m ³	
Long term Local health effects worker	Inhalation	192 mg/m ³	
Short term Local health effects worker	Inhalation	384 mg/m ³	

Ethyl silicate (78-10-4)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Short term Systemic health effects worker	Dermal	12.1 mg/kg bw/d	
Long term Systemic health effects worker	Dermal	12.1 mg/kg bw/d	
Short term Systemic health effects worker	Inhalation	85 mg/m ³	
Long term Local health effects worker	Inhalation	85 mg/m ³	
Short term Local health effects worker	Inhalation	85 mg/m ³	
Long term Local health effects worker	Inhalation	85 mg/m ³	

Derived No Effect Level (DNEL)

Butyl titanate (5593-70-4)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Long term Systemic health effects Consumer	Inhalation	152 mg/m ³	
Long term Systemic health effects Consumer	Dermal	37.5 mg/kg bw/d	
Long term Systemic health effects Consumer	Oral	3.75 mg/kg bw/d	

Toluene (108-88-3)

Type	Exposure route	Derived No Effect Level (DNEL)	Safety factor
Consumer	Inhalation	56.5 mg/m ³	

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Long term Systemic health effects			
Consumer Short term Systemic health effects	Inhalation	226 mg/m ³	
Consumer Long term Local health effects	Inhalation	56 mg/m ³	
Consumer Local health effects Short term	Inhalation	226 mg/m ³	
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	

Ethyl silicate (78-10-4)			
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 ³	
Consumer Short term Local health effects	Inhalation	25 mg/m ³	
Consumer Long term Systemic health effects	Inhalation	25 mg/m ³	
Consumer Long term Local health effects	Inhalation	25 mg/m ³	

Predicted No Effect Concentration (PNEC) No information available.

Predicted No Effect Concentration (PNEC)	
Butyl titanate (5593-70-4)	
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	0.069 mg/kg dry weight
Marine sediment	0.007 mg/kg dry weight
Soil	0.017 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

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Soil	2.89 mg/kg dry weight
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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

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. In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit.

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
Appearance	Liquid
Colour	Light yellow
Odour	Slight Solvent
Odour threshold	No information available

Property	Values	Remarks • Method
pH	No data available	Not applicable Insoluble in water
Melting point / freezing point	No data available	
Initial boiling point and boiling range	116 - 142 °C	
Flash point	approx 3 °C	ISO 13736
Evaporation rate	No data available	
Flammability	Not applicable for liquids .	
Flammability Limit in Air		
Upper flammability or explosive limits	7.0 Vol.%	
Lower flammability or explosive limits	0.9 Vol.%	
Vapour pressure	50	hPa @ 25 °C
Relative vapour density	No data available	
Relative density	0.76	
Water solubility	Insoluble in water	
Solubility(ies)	No data available	
Partition coefficient	No data available	
Autoignition temperature	370 °C	
Decomposition temperature	No data available	
Kinematic viscosity	1 mm²/s	DIN 51562
Dynamic viscosity	approx 0.76 mPa s	
Explosive properties	No data available	

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Oxidising properties No data available

9.2. Other information

Solid content (%) approx 17
VOC Content (%) approx .? g/L 83 %
Liquid Density 0.76 g/cm³

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

Sensitivity to mechanical impact None.
Sensitivity to static discharge 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.

10.6. Hazardous decomposition products

Hazardous decomposition products Stable under recommended storage conditions. Thermal decomposition can lead to release of irritating and toxic gases and vapours. Carbon oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information

Inhalation May cause drowsiness or dizziness.
Eye contact Causes serious eye damage.
Skin contact Causes skin irritation.
Ingestion 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. Dizziness. Inhalation of high vapour concentrations may cause

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symptoms like headache, dizziness, tiredness, nausea and vomiting.

Numerical measures of toxicity

Acute toxicity

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

ATEmix (inhalation-dust/mist) 246.20 mg/l
ATEmix (inhalation-vapour) 786.5176 mg/l

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Alkanes, C7-10-iso-90622-56-3	>10000 ?L/kg (Rattus)	> 3160 µL/kg (Oryctolagus cuniculus)	>4504 ppm (Rattus) 4 h
Butyl titanate 5593-70-4	=3122 mg/kg (Rattus)	>5000 mg/Kg (Oryctolagus cuniculus)	
Toluene 108-88-3	=5580 mg/kg (Rattus)	= 12000 mg/kg (Oryctolagus cuniculus)	>20 mg/L (Rattus) 4 h
Ethyl silicate 78-10-4	LD50 > 2500 mg/kg (Rattus) OECD 423	= 5878 mg/kg (Oryctolagus cuniculus) = 6300 µL/kg (Oryctolagus cuniculus)	< 1837 ppm (Rat) 4 h

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

Skin corrosion/irritation Irritating to skin.

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

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

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

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

Reproductive toxicity Contains a known or suspected reproductive toxin. Classification based on data available for ingredients. 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 108-88-3	Repr. 2

STOT - single exposure May cause drowsiness or dizziness.

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

Aspiration hazard May be fatal if swallowed and enters airways.

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11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties No information available.

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	Bioconcentration factor (BCF)
Butyl titanate 5593-70-4	0.84	-
Toluene 108-88-3	2.7	-
Ethyl silicate 78-10-4	3.18	-

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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 5593-70-4	The substance is not PBT / vPvB
Toluene 108-88-3	The substance is not PBT / vPvB PBT assessment does not apply
Ethyl silicate 78-10-4	The substance is not PBT / vPvB PBT assessment does not apply

12.6. Other adverse effects

Other adverse effects No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable.

Contaminated packaging Empty containers pose a potential fire and explosion hazard. Do not cut, puncture or weld containers. Handle contaminated packages in the same way as the product itself.

European Waste Catalogue 08 04 09* waste adhesives and sealants containing organic solvents or other dangerous substances
15 01 10*: Packaging containing residues of or contaminated by dangerous substances

Other information 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)

14.1 UN number or ID number UN1993

14.2 Proper Shipping Name Flammable liquid, n.o.s. (Alkanes, C7-10-iso-, Butyl titanate), Environmentally Hazardous

14.3 Transport hazard class(es) 3

Labels 3

14.4 Packing group II

Description UN1993, Flammable liquid, n.o.s. (Alkanes, C7-10-iso-, Butyl titanate), 3, II, (D/E), Environmentally Hazardous

14.5 Environmental hazards Yes

14.6 Special Provisions 274, 601, 640C

Classification code F1

Tunnel restriction code (D/E)

Limited Quantity (LQ) 1 L

ADR Hazard Id (Kemmler Number) 33

IMDG

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14.1 UN number or ID number	UN1993
14.2 Proper Shipping Name	Flammable liquid, n.o.s. (Alkanes, C7-10-iso-, Butyl titanate), Marine Pollutant
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, (3°C c.c.), Marine Pollutant
14.5 Marine pollutant	P
14.6 Special Provisions	274
Limited Quantity (LQ)	1 L
EmS-No	F-E, S-E
14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code	Not applicable

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)

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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

National regulations

France

Occupational Illnesses (R-463-3, France)

Chemical name	French RG number
Toluene 108-88-3	RG 4bis, RG 84 RG 84

Germany

Ordinance on Industrial Safety and Health - Germany - BetrSichV

Flammable liquid (R11), EEC: refer to Annex III No. 1 (fire and explosion hazards) and § 7 paragraph 4

Water hazard class (WGK) obviously hazardous to water (WGK 2)

TRGS - 510 Storage Class Storage Class 3 : Flammable liquids

Netherlands

List of Carcinogenic, mutagenic and reproductive toxin substances in accordance with Inspectorate SZW (Netherlands)

Chemical name	Netherlands - List of Carcinogens
Toluene 108-88-3	Development (Category 2)

Denmark

Registration number(s) (P-no.) No information available

Norway

Registration number(s) (PRN-no.) No information available

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

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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

Key literature references and sources for data

No information available

Prepared By Product Safety & Regulatory Affairs

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Indication of changes

Revision note SDS sections updated, 4, 8, 9, 16, 15.

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

Further information No information available

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer

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End of Safety Data Sheet