Safety Data Sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 14.10.2024 Version number 4 Revision: 30.11.2023

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

1.1 Product identifier
Trade name: weberfug 884

Safety data sheet no.: 358P0432
1.2 Relevant identified uses of the substance or mixture and uses advised against
No urther relevant in ormation available.
Application of the substance / the mixture
Priming
Priming

1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier:
Saint-Gobain Finland Oy / Weber
PL 70
(Strömberginkuja 2)
FIN-00381 Helsinki

Tel. +358-(0)10-44 22 00
Fax +358-(0)10-44 22 295
DL-productsa ety. i@saint-gobain.com
www. i.weber
1.4 Emergency telephone number:
0800 147 111 (toll- ree)
09 471 977 (standard rate)
Finnish Poison In ormation Centre

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 2	H225	Highly flammable liquid and vapour.
Skin Irrit. 2	H315	Causes skin irritation.
Eye Irrit. 2	H319	Causes serious eye irritation.
Repr. 2	H361d	Suspected of damaging the unborn child.
STOT SE 3	H336	May cause drowsiness or dizziness.
STOT RE 2	H373	May cause damage to organs through prolonged or repeated exposure.

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the CLP regulation.
Hazard pictograms

GHS02 GHS07 GHS08

Signal word Danger

Hazard-determining components of labelling:
toluene

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butan-1-ol

Hazard statements

H225 Highly flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H361d Suspected of damaging the unborn child.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P403+P235 Store in a well-ventilated place. Keep cool.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

EUH208 Contains methyl methacrylate, butyl methacrylate. May produce an allergic reaction.

2.3 Other hazards

Results of PBT and vPvB assessment

PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

Determination of endocrine-disrupting properties Not applicable.

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SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with non hazardous additions.

Dangerous components:		
CAS: 108-88-3 EINECS: 203-625-9 Index number: 601-021-00-3 Reg.nr.: 01-2119471310-51-xxxx	toluene Flam. Liq. 2, H225; Repr. 2, H361d; STOT RE 2, H373; Asp. Tox. 1, H304; Skin Irrit. 2, H315; STOT SE 3, H336	50-<75%
CAS: 71-36-3 EINECS: 200-751-6 Index number: 603-004-00-6 Reg.nr.: 01-2119484630-38-xxxx	butan-1-ol Flam. Liq. 3, H226; Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315; STOT SE 3, H335-H336	1-<3%
CAS: 80-62-6 EINECS: 201-297-1 Index number: 607-035-00-6 Reg.nr.: 01-2119452498-28-xxxx	methyl methacrylate Flam. Liq. 2, H225; Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	≥0.1-<1%
CAS: 97-88-1 EINECS: 202-615-1 Index number: 607-033-00-5 Reg.nr.: 2119486394-28-xxxx	butyl methacrylate Flam. Liq. 3, H226; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	≥0.1-<1%

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SVHC Void
Additional information For the wording of the listed hazard statements refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures
General information
Immediately remove any clothing soiled by the product.
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
Remove the victim immediately from the danger area. If the patient is unwell consult a doctor and present this data sheet.
After inhalation
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.
After skin contact
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
After eye contact
Rinse opened eye for several minutes under running water. Then consult doctor. Rinse liquid should be tempered (20-30°C).
After swallowing
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.
Information for doctor None
4.2 Most important symptoms and effects, both acute and delayed
No further relevant information available.
4.3 Indication of any immediate medical attention and special treatment needed
No further relevant information available.

SECTION 5: Firefighting measures

5.1 Extinguishing media
Suitable extinguishing agents
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
For safety reasons unsuitable extinguishing agents Water with full jet
5.2 Special hazards arising from the substance or mixture
Formation of toxic gases is possible during heating or in case of fire.
5.3 Advice for firefighters
Protective equipment: Wear self-contained respiratory protective device.
Additional information Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation.
Wear protective equipment. Keep unprotected persons away.

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Keep away from ignition sources

6.2 Environmental precautions:
The product must not get into watercourses or into the soil.
Inform respective authorities in case of seepage into water course or sewage system.
Suppress gases/fumes/haze with water spray.

6.3 Methods and material for containment and cleaning up:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose of contaminated material as waste according to section 13.

6.4 Reference to other sections
See Section 7 for information on safe handling
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

*
SECTION 7: Handling and storage

7.1 Precautions for safe handling
Store in cool, dry place in tightly closed receptacles.
Ensure good ventilation/exhaustion at the workplace.

Information about fire - and explosion protection:
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Fumes can combine with air to form an explosive mixture.
Flammable gas-air mixtures may form in empty receptacles.
Emergency cooling must be available in case of nearby fire.

7.2 Conditions for safe storage, including any incompatibilities

Storage

Requirements to be met by storerooms and receptacles:
Store only in unopened original receptacles.
Store in a cool location.

Information about storage in one common storage facility:
Store away from foodstuffs.
Store away from oxidising agents.

Further information about storage conditions:
Keep container tightly sealed.
Protect from heat and direct sunlight.
Store in cool, dry conditions in well sealed receptacles.

7.3 Specific end use(s) No further relevant information available.

*
SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

DNELs		
CAS: 108-88-3 toluene		
Oral	Derived No Effect Level	8.13 mg/kgxday (consumer systemic long term value)
Dermal	Derived No Effect Level	384 mg/kgxday (worker systemic long term value)
		226 mg/kgxday (consumer systemic long term value)

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Inhalative	Derived No Effect Level	192 mg/m³ (worker systemic long term value) 384 mg/m³ (worker systemic short term value) 56.5 mg/m³ (consumer systemic long term value) 226 mg/m³ (consumer systemic short term value) 384 mg/m³ (worker local short term value) 192 mg/m³ (worker local long term value) 56.5 mg/m³ (consumer local long term value) 226 mg/m³ (consumer local short term value)
CAS: 71-36-3 butan-1-ol		
Oral	Derived No Effect Level	1,562 mg/kgxday (consumer systemic long term value)
Dermal	Derived No Effect Level	3,125 mg/kgxday (consumer systemic long term value)
Inhalative	Derived No Effect Level	55,357 mg/m³ (consumer systemic long term value) 310 mg/m³ (worker local long term value)
CAS: 80-62-6 methyl methacrylate		
Oral	Derived No Effect Level	8.2 mg/kgxday (consumer systemic long term value)
Dermal	Derived No Effect Level	13.67 mg/kgxday (worker systemic long term value) 8.2 mg/kgxday (consumer systemic long term value)
	Derived No Effect Level	1.5 mg/cm² (worker local long term value) 1.5 mg/cm² (consumer local long term value)
Inhalative	Derived No Effect Level	348.4 mg/m³ (worker systemic long term value) 74.3 mg/m³ (consumer systemic long term value) 416 mg/m³ (worker local short term value) 208 mg/m³ (worker local long term value) 104 mg/m³ (consumer local long term value) 208 mg/m³ (consumer local short term value)

PNECs	
CAS: 108-88-3 toluene	
Predicted No-Effect Concentration	0.313-2.89 mg/kgxdwt (earth rating factor)
Predicted No-Effect Concentration	0.0074-0.68 mg/l (sea water rating factor) 0.074-0.68 mg/l (fresh water rating factor)
CAS: 71-36-3 butan-1-ol	
Predicted No-Effect Concentration	0.017 mg/kgxdwt (earth rating factor)
Predicted No-Effect Concentration	0.0082 mg/l (sea water rating factor) 0.082 mg/l (fresh water rating factor)
CAS: 80-62-6 methyl methacrylate	
Predicted No-Effect Concentration	1.48 mg/kgxdwt (earth rating factor)
Predicted No-Effect Concentration	0.094 mg/l (sea water rating factor) 0.94 mg/l (fresh water rating factor)

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Ingredients with biological limit values:	
CAS: 108-88-3 toluene	
BGW (Germany)	600 µg/l Untersuchungsmaterial: Vollblut Probennahmezeitpunkt: unmittelbar nach Exposition Parameter: Toluol 1.5 mg/l Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende, bei Langzeitexposition: am Schichtende nach mehreren vorangegangenen Schichten Parameter: o-Kresol (nach Hydrolyse) 75 µg/l Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: Toluol
VLB (Spain)	0.6 g/g creatinina Muestra: orina Momento de Muestero: Final de la jornada laboral Indicador Biológico: o-Cresol 0.05 mg/l Muestra: sangre Momento de Muestero: Principio de la última jornada de la semana laboral Indicador Biológico: Tolueno 0.08 mg/l Muestra: orine Momento de Muestero: Final de la jornada laboral Indicador Biológico: Tolueno

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IBE (Italy)	0.02 mg/l Campioni: sangue Momento del prelievo: a prima ultimo turno settimana lavorativa Indicatore biologico: toluene 0.03 mg/l Campioni: urine Momento del prelievo: a fine turno Indicatore biologico: toluene 0.3 mg/g creatinina Campioni: urine Momento del prelievo: a fine turno Indicatore biologico: o-cresolo
IBE (Portugal)	0.02 mg/L Amostra: sangue Momento da amostragem: Antes do último turno da semana de trabalho Indicador biológico: Tolueno 0.03 mg/L Amostra: urina Momento da amostragem: Fim do turno Indicador biológico: Tolueno 0.3 mg/g creatinina Amostra: urina Momento da amostragem: Fim do turno Indicador biológico: o-Cresol
BNO (Finland)	500 nmol/l Altiste: veren Näytteenottoajankohta: Työpäivän jälkeinen aamu Parametri: tolueenipitoisuus
CAS: 71-36-3 butan-1-ol	
BGW (Germany)	2 mg/g Kreatinin Untersuchungsmaterial: Urin Probennahmezeitpunkt: vor nachfolgender Schicht Parameter: Butan-1-ol (1-Butanol) (nach Hydrolyse) 10 mg/g Kreatinin Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: Butan-1-ol (1-Butanol) (nach Hydrolyse)

CAS No. / Designation of material / % / Type / Value / Unit	
CAS: 108-88-3 toluene	
IOELV (European Union)	Short-term value: 384 mg/m³, 100 ppm Long-term value: 192 mg/m³, 50 ppm Skin

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AGW (Germany)	Long-term value: 190 mg/m³, 50 ppm 2(II);DFG, EU, H, Y
GV (Denmark)	Short-term value: 384 mg/m³, 100 ppm Long-term value: 94 mg/m³, 25 ppm EH
LEP (Spain)	Short-term value: 384 mg/m³, 100 ppm Long-term value: 192 mg/m³, 50 ppm vía dérmica, VLB, VLI, r
TWA (Italy)	Long-term value: 75.4 mg/m³, 20 ppm A4, IBE
VL (Italy)	Long-term value: 192 mg/m³, 50 ppm Cute
VLE (Portugal)	Long-term value: 20 ppm A4, IBE;afeção vista;lesão apar.repr.fem.,aborto
OEL (Sweden)	Short-term value: 384 mg/m³, 100 ppm Long-term value: 192 mg/m³, 50 ppm B, H
HTP (Finland)	Short-term value: 380 mg/m³, 100 ppm Long-term value: 81 mg/m³, 25 ppm iho, melu
CAS: 71-36-3 butan-1-ol	
AGW (Germany)	Long-term value: 310 mg/m³, 100 ppm 1(I);DFG, Y
GV (Denmark)	Ceiling limit: 150 mg/m³, 50 ppm LH
LEP (Spain)	Short-term value: 154 mg/m³, 50 ppm Long-term value: 61 mg/m³, 20 ppm
TWA (Italy)	Long-term value: 61 mg/m³, 20 ppm
VLE (Portugal)	Long-term value: 20 ppm Irritação ocular e do TRS
OEL (Sweden)	Short-term value: 90 mg/m³, 30 ppm Long-term value: 45 mg/m³, 15 ppm H
HTP (Finland)	Short-term value: 230 mg/m³, 75 ppm Long-term value: 150 mg/m³, 50 ppm iho
CAS: 80-62-6 methyl methacrylate	
IOELV (European Union)	Short-term value: 100 ppm Long-term value: 50 ppm
AGW (Germany)	Long-term value: 210 mg/m³, 50 ppm 2(I);DFG, EU, Y
GV (Denmark)	Short-term value: 100 ppm Long-term value: 102 mg/m³, 25 ppm EH
LEP (Spain)	Short-term value: 100 ppm Long-term value: 50 ppm Sen, VLI

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TWA (Italy)	Short-term value: 410 mg/m³, 100 ppm Long-term value: 205 mg/m³, 50 ppm sen, A4
VL (Italy)	Short-term value: 100 ppm Long-term value: 50 ppm
VLE (Portugal)	Short-term value: 100 ppm Long-term value: 50 ppm (S);A4;Irrit.ocular, do TRS;efeitos na massa corp.
OEL (Sweden)	Short-term value: 400 mg/m³, 100 ppm Long-term value: 200 mg/m³, 50 ppm M, S
HTP (Finland)	Short-term value: 210 mg/m³, 50 ppm Long-term value: 42 mg/m³, 10 ppm
CAS: 97-88-1 butyl methacrylate	
MAK (Germany)	vgl.Abschn.IV
GV (Denmark)	Short-term value: 290 mg/m³, 50 ppm Long-term value: 145 mg/m³, 25 ppm
OEL (Sweden)	Short-term value: 450 mg/m³, 75 ppm Long-term value: 300 mg/m³, 50 ppm M, S, V

Additional information:
The applicable TRGS 900 (MAK list) was used as the basis for the preparation and/or revision of this safety data sheet.

8.2 Exposure controls
Appropriate engineering controls No further data; see section 7.
Individual protection measures, such as personal protective equipment
General protective and hygienic measures:
The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Immediately remove all soiled and contaminated clothing.
Do not inhale gases / fumes / aerosols.
Avoid contact with the eyes and skin.
Pregnant women should strictly avoid inhalation or skin contact.
Do not eat, drink, smoke or sniff while working.
Respiratory protection:
Use suitable respiratory protective device in case of insufficient ventilation.
In case of brief exposure or low pollution use respiratory filter device.
In case of intensive or longer exposure use self-contained respiratory protective device.
Short term filter device:
Gas filter ABEK (14387)
Hand protection
Protective gloves.
The glove material has to be impermeable and resistant to the product/ the substance/ the mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
Material of gloves
Fluorocarbon rubber (FKM-Viton)

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Recommended thickness of the material: ≥ 0.5 mm
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
Penetration time of glove material
Breakthrough time: > 480 min
Value for the permeation: Level ≤ 6
The exact breaktrough time has to be found out by the manufacturer of the protective gloves and has to be observed.
Eye/face protection Tightly sealed goggles
Body protection: Protective work clothing.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
General Information	
Colour:	Colourless
Odour:	Aromatic
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and boiling range	111 °C
Flammability	Not applicable.
Lower and upper explosion limit	
Lower:	1.2 Vol.%
Upper:	7.0 Vol. %
Flash point:	8 °C
Auto-ignition temperature:	Not determined.
Decomposition temperature:	Not determined.
pH	Not determined.
Viscosity:	
Kinematic viscosity	Not determined.
dynamic at 20 °C:	200 mPas
Solubility	
Water:	Not miscible or difficult to mix
Partition coefficient n-octanol/water (log value)	Not determined.
Vapour pressure at 20 °C:	29 hPa
Density and/or relative density	
Density at 20 °C:	0.95 g/cm³
Bulk density:	Not applicable.
Vapour density	Not determined.
9.2 Other information	None.
Appearance:	
Form:	Fluid

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Important information on protection of health and environment, and on safety.	
Ignition temperature:	Product is not self-igniting.
Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Minimum ignition energy	
Solvent separation test:	Not determined
Solvent content:	
Organic solvents:	63 %
EU-VOC (%)	63.0000 %
EU-VOC (g/L)	600.0000 g/l
Change in condition	
Softening point/range	
Oxidising properties	Not determined.
Evaporation rate	Not determined.

Information with regard to physical hazard classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Highly flammable liquid and vapour.
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.
10.2 Chemical stability
Thermal decomposition / Conditions to be avoided:
No decomposition if used according to specifications.
10.3 Possibility of hazardous reactions No dangerous reactions known
10.4 Conditions to avoid No further relevant information available.
10.5 Incompatible materials: No further relevant information available.

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10.6 Hazardous decomposition products: No dangerous decomposition products known.

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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 available data, the classification criteria are not met.
LD/LC50 values relevant for classification:

Components / Type / Value / Species		
CAS: 108-88-3 toluene		
Oral	LD50	>5,000 mg/kg (Rat)
Dermal	LD50	>5,000 mg/kg (Rabbit)
Inhalative	LC50/4 h	>20 mg/l (Mouse)
CAS: 71-36-3 butan-1-ol		
Oral	LD50	2,292 mg/kg (Rat)
Dermal	LD50	3,430 mg/kg (rabbit)
CAS: 80-62-6 methyl methacrylate		
Oral	LD50	7,900 mg/kg (Rat)
Dermal	LD50	>5,000 mg/kg (Rabbit)
Inhalative	LC50/4 h	29.8 mg/l (Rat)
CAS: 97-88-1 butyl methacrylate		
Oral	LD50	22,600 mg/kg (Rat)
Dermal	LD50	11,300 mg/kg (rabbit)
Inhalative	LC50/4 h	4,910 mg/l (Rat)

Primary irritant effect:
Skin corrosion/irritation Causes skin irritation.
Serious eye damage/irritation Causes serious eye irritation.
Respiratory or skin sensitisation
May cause an allergic skin reaction to already sensitised individuals (supplemental labelling EUH208 in Europe)
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 Suspected of damaging the unborn child.
STOT-single exposure May cause drowsiness or dizziness.
STOT-repeated exposure May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard Based on available data, the classification criteria are not met.
11.2 Information on other hazards

Endocrine disrupting properties
None of the ingredients is listed.

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SECTION 12: Ecological information

12.1 Toxicity
Aquatic toxicity: No further relevant information available.

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Type of test / Effective concentration / Method / Assessment	
CAS: 108-88-3 toluene	
LC50/48h	3.78 mg/l (aquatic invertebrates)
LC50/96h	5.5 mg/l (Fish)
EC50/24h	84 mg/l (microorganisms)
NOEC (21d)	1-2 mg/l (aquatic invertebrates)
CAS: 71-36-3 butan-1-ol	
LC50/96h	1,376 mg/l (Fish)
EC50/48h	1,328 mg/l (aquatic invertebrates)
EC50/96h	225 mg/l (aquatic algae and cyanobacteria)
NOEC (96h)	519 mg/l (Fish)
NOEC (21d)	4.1 mg/l (aquatic invertebrates)
CAS: 80-62-6 methyl methacrylate	
LC50/96h	>79 mg/l (Fish)
EC50/48h	>69 mg/l (aquatic invertebrates)
NOEC (72h)	110 mg/l (aquatic algae and cyanobacteria)
NOEC (21d)	37 mg/l (aquatic invertebrates)

12.2 Persistence and degradability No further relevant information available.

Method	
CAS: 71-36-3 butan-1-ol	
Biod. (28 days)	>90 %
CAS: 80-62-6 methyl methacrylate	
Biod. (28 days)	>90 %

Other information: The product is easily biodegradable.

12.3 Bioaccumulative potential	
CAS: 108-88-3 toluene	
EBAB	2.73 log Pow
CAS: 71-36-3 butan-1-ol	
EBAB	1 log Pow
CAS: 80-62-6 methyl methacrylate	
EBAB	1.32 log Pow

12.4 Mobility in soil No further relevant information available.

12.5 Results of PBT and vPvB assessment

PBT: Does not contain PBT substances.

vPvB: Does not contain vPvB substances.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects No further relevant information available.

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Behaviour in sewage processing plants:

Type of test / Effective concentration / Method / Assessment	
CAS: 108-88-3 toluene	
EC 50 (3h)	134-207 mg/l (aquatic algae and cyanobacteria)
CAS: 80-62-6 methyl methacrylate	
EC 50 (3h)	3,162 mg/l (microorganisms)

Additional ecological information:

General notes:
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods
Recommendation
After prior treatment product has to be disposed of in an incinerator for hazardous waste adhering to the regulations pertaining to the disposal of particularly hazardous waste.
Must not be disposed together with household garbage. Do not allow product to reach sewage system.

European waste catalogue	
14 06 03*	other solvents and solvent mixtures
HP3	Flammable
HP4	Irritant - skin irritation and eye damage
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP10	Toxic for reproduction

Uncleaned packaging:
Recommendation:
Empty contaminated packagings thoroughly. They may be recycled after thorough and proper cleaning.

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SECTION 14: Transport information

14.1 UN number or ID number	
ADR, IMDG, IATA	UN1993
14.2 UN proper shipping name	
ADR	1993 FLAMMABLE LIQUID, N.O.S. (TOLUENE, BUTANOLS)
IMDG, IATA	FLAMMABLE LIQUID, N.O.S. (TOLUENE, BUTANOLS)

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14.3 Transport hazard class(es)

ADR

Class	3 (F1) Flammable liquids.
Label	3

IMDG, IATA

Class	3 Flammable liquids.
Label	3

14.4 Packing group	
ADR, IMDG, IATA	II
14.5 Environmental hazards:	
Marine pollutant:	No
14.6 Special precautions for user	Warning: Flammable liquids.
Hazard identification number (Kemler code):	33
EMS Number:	F-E,S-E
Stowage Category	B
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
Transport category	2
Tunnel restriction code	D/E
IMDG	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
UN "Model Regulation":	UN 1993 FLAMMABLE LIQUID, N.O.S. (TOLUENE, BUTANOLS), 3, II

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SECTION 15: Regulatory information

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

Regulation (EC No 1907/2006 (REACH (Candidate List, Annexes XIV and XVII
Regulation (EC No 1272/2008 (CLP
Regulation (EU 2020/878 (amending REACH Annex II on the compilation of safety data sheets

Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.
Seveso category P5c FLAMMABLE LIQUIDS
Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t
Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t
REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 48

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II
None of the ingredients is listed.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))
None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS
None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors		
CAS: 108-88-3	toluene	3

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors		
CAS: 108-88-3	toluene	3

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National regulations

Information about limitation of use:
Employment restrictions concerning pregnant and lactating women must be observed.
15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
This Safety Data Sheets is in compliance with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

Relevant phrases
The following list of relevant hazard statements is the full text of hazard statements mentioned elsewhere in this safety data sheet (in particular in the section 3) and is reported as required by the Regulation (EC) No 1907/2006 (REACH), Annex II, and the following amendments (Regulation (EU) 2020/878). The statements mentioned here do not refer to the product itself, but refer to the individual ingredients in the products, and are provided for information.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
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.

Classification according to Regulation (EC) No 1272/2008	
Flammable liquids	Bridging principles
Skin corrosion/irritation Serious eye damage/irritation Reproductive toxicity Specific target organ toxicity (single exposure) Specific target organ toxicity (repeated exposure)	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

Department issuing SDS:
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QEHS
P.O.Box 70 (Strömberginkuja 2)
FI-00381 Helsinki
Contact:
Tel. +358-(0)10-44 22 00
Fax +358-(0)10-44 22 520
Abbreviations and acronyms:
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

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IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organisation
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern (REACH regulation)
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 2: Flammable liquids – Category 2
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Skin Sens. 1: Skin sensitisation – Category 1
Repr. 2: Reproductive toxicity – Category 2
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1

*** Data compared to the previous version altered.**

According to Annex II of the REACH regulation, the modified sections in this version of the Safety Data Sheet in comparison with the previous one are marked with asterisks.