

### Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 SDS Ref. (EU): EASYR-SDS Issue date: 3/18/2015 Revision date: 8/18/2020 Supersedes version of: 3/10/2020 Version: 5.0

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

#### **1.1. Product identifier**

Product form	: Mixture
Trade name	: EASY 1 BODY FILLER FOR DEEP REPAIRS
UFI	: M670-U0NU-K00E-MH74
Product code	: EASY/7, EASY/7/3L, EASY/BMP
Product group	: Bodyfiller

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

#### 1.2.1. Relevant identified uses

#### Intended for general public Main use category Use of the substance/mixture Function or use category

Industrial use,Professional use,Consumer useFillers, putties, plasters, modelling clay

: Fillers

#### 1.2.2. Uses advised against

No additional information available

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

#### Manufacturer

U-POL Limited Denington Road NN8 2QH Wellingborough - United Kingdom T +44 (0) 1933 230310 technicalsupport@u-pol.com - www.u-pol.com Importer U-POL Netherlands B.V. Hoorgoorddreef 15 1101BA Amsterdam - Netherlands T +31 20 240 2216 technicalsupport@u-pol.com - www.u-pol.com

#### 1.4. Emergency telephone number

#### Emergency number

: CHEMTREC: +44 (0) 870 8200418 (24 hrs)

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals- 24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
United Kingdom	NHS England, Scotland & Wales	-	Call 111 or a Doctor	In Northern Ireland, contact your local GP or pharmacist during normal hours (www.gpoutofhours.h scni.net)

## **SECTION 2: Hazards identification**

2.1. Classification of the substance or mixture	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	
Skin corrosion/irritation, Category 2	H315
Serious eye damage/eye irritation, Category 2	H319
Reproductive toxicity, Category 2	H361
Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation	H335
Specific target organ toxicity — Repeated exposure, Category 1	H372

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#### Full text of H-statements: see section 16

#### Adverse physicochemical, human health and environmental effects

Suspected of damaging fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. Causes skin irritation. Causes serious eye irritation.

2.2. Label elements	
Labelling according to Regulation (EC) No	p. 1272/2008 [CLP]
Hazard pictograms (CLP)	
Signal word (CLP)	GHS07 GHS08 : Danger
Contains	: styrene
Hazard statements (CLP)	: H315 - Causes skin irritation.
	H319 - Causes serious eye irritation.
	H335 - May cause respiratory irritation.
	H361 - Suspected of damaging the unborn child.
	H372 - Causes damage to organs (hearing organs) through prolonged or repeated exposure (inhalation).
Precautionary statements (CLP)	: P101 - If medical advice is needed, have product container or label at hand. P102 - Keep out of reach of children.
	P261 - Avoid breathing vapours, fume.
	P280 - Wear eye protection, protective clothing, protective gloves.
	P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P308+P313 - IF exposed or concerned: Get medical advice/attention.
	P405 - Store locked up.
	P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Unknown acute toxicity (CLP) - SDS	<ul> <li>0.29% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)</li> <li>0.29% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)</li> </ul>
2.3. Other hazards	

Component	
styrene (100-42-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

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3.2. Mixtures			
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
styrene (Note D)	(CAS-No.) 100-42-5 (EC-No.) 202-851-5 (EC Index-No.) 601-026-00-0 (REACH-no) 01-2119457861-32	10 – 25	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:vapour), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Repr. 2, H361d STOT SE 3, H335 STOT RE 1, H372 Asp. Tox. 1, H304 Aquatic Chronic 3, H412

Note D : Certain substances which are susceptible to spontaneous polymerisation or decomposition are generally placed on the market in a stabilised form. It is in this form that they are listed in Part 3. However, such substances are sometimes placed on the market in a non-stabilised form. In this case, the supplier must state on the label the name of the substance followed by the words 'non-stabilised'. Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures			
4.1. Description of first aid measures			
First-aid measures general	: IF exposed or concerned: Get medical advice/attention. Call a poison center or a doctor if you feel unwell. Get medical advice/attention if you feel unwell.		
First-aid measures after inhalation	Remove person to fresh air and keep comfortable for breathing.		
First-aid measures after skin contact	: Wash skin with plenty of water. Take off contaminated clothing. If skin irritation occurs: Get medical advice/attention.		
First-aid measures after eye contact	: Rinse eyes with water as a precaution. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.		
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.		
4.2. Most important symptoms and effects, both acute and delayed			
Symptoms/effects after skin contact Symptoms/effects after eye contact	<ul><li>Irritation. Repeated exposure may cause skin dryness or cracking.</li><li>Eye irritation.</li></ul>		

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	: Water spray. Dry powder. Foam.
5.2. Special hazards arising from the subs	tance or mixture
Hazardous decomposition products in case of fire	: Toxic fumes may be released.
5.3. Advice for firefighters	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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SECTION 6: Accidental release measures		
6.1. Personal precautions, protective equipment and emergency procedures		
General measures	: Remove ignition sources.	
6.1.1. For non-emergency personnel		
Protective equipment	: Safety glasses. Protective clothing. Gloves.	
Emergency procedures	: Ventilate spillage area. Do not breathe vapours, fume. Avoid contact with skin and eyes.	
6.1.2. For emergency responders		
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".	
6.2. Environmental precautions		
Avoid release to the environment.		
6.3. Methods and material for containmen	t and cleaning up	
For containment	: Contain released product. Collect spillage.	
Methods for cleaning up	: Mechanically recover the product. Notify authorities if product enters sewers or public waters.	
Other information	: Dispose of materials or solid residues at an authorized site.	
6.4. Reference to other sections		

For further information refer to section 13.

SECTION 7: Handling and storage		
7.1. Precautions for safe handling		
Precautions for safe handling Hygiene measures	<ul> <li>Ensure good ventilation of the work station. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Do not breathe vapours, fume. Avoid contact with skin and eyes.</li> <li>Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.</li> </ul>	
7.2. Conditions for safe storage, including any incompatibilities		
Storage conditions Storage temperature Special rules on packaging	<ul> <li>Store locked up. Store in a well-ventilated place. Keep cool.</li> <li>&lt; 25 °C</li> <li>Keep only in original container.</li> </ul>	
7.3. Specific end use(s)		

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

### 8.1.1 National occupational exposure and biological limit values

styrene (100-42-5)	
Ireland - Occupational Exposure Limits	
Local name	Styrene [Phenylethylene, Vinyl benzene]
OEL TWA [1]	85 mg/m³
OEL TWA [2]	20 ppm
OEL STEL	170 mg/m³

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styrene (100-42-5)		
OEL STEL [ppm]	40 ppm	
Regulatory reference	Chemical Agents Code of Practice 2020	
United Kingdom - Occupational Exposure Limits		
Local name	Styrene	
WEL TWA (OEL TWA) [1]	430 mg/m³	
WEL TWA (OEL TWA) [2]	100 ppm	
WEL STEL (OEL STEL)	1080 mg/m³	
WEL STEL (OEL STEL) [ppm]	250 ppm	
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE	

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

styrene (100-42-5)		
DNEL/DMEL (Workers)		
Acute - systemic effects, inhalation	289 mg/m³	
Acute - local effects, inhalation	306 mg/m <sup>3</sup>	
Long-term - systemic effects, dermal	406 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	85 mg/m³	
DNEL/DMEL (General population)		
Acute - systemic effects, inhalation	174.25 mg/m³	
Acute - local effects, inhalation	182.75 mg/m³	
Long-term - systemic effects,oral	2.1 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	10.2 mg/m³	
Long-term - systemic effects, dermal	343 mg/kg bodyweight/day	
PNEC (Water)		
PNEC aqua (freshwater)	0.028 mg/l	
PNEC aqua (marine water)	0.014 mg/l	
PNEC aqua (intermittent, freshwater)	0.04 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	0.614 mg/kg dwt	
PNEC sediment (marine water)	0.307 mg/kg dwt	
PNEC (Soil)		
PNEC soil	0.2 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant	5 mg/l	

#### 8.1.5. Control banding

No additional information available

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#### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

#### Appropriate engineering controls:

Provide local exhaust or general room ventilation. Ensure good ventilation of the work station.

#### 8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



#### 8.2.2.1. Eye and face protection

Eye protection:			
Safety glasses			
Туре	Field of application	Characteristics	Standard
Safety glasses	Dust	clear	

#### 8.2.2.2. Skin protection

# Skin and body protection: Wear suitable protective clothing

#### Hand protection:

Protective gloves					
Туре	Material	Permeation	Thickness (mm)	Penetration	Standard
Protective gloves	Viton, Butyl rubber gloves	6 (> 480 minutes)	0.7		EN ISO 374

Other skin protection Materials for protective clothing:
Impermeable clothing

#### 8.2.2.3. Respiratory protection

Respiratory protection:			
[In case of inadequate ventilation] wear respiratory protection.			
Device Filter type Condition Standard			
Breathing apparatus, Gas filters       Type A - High-boiling (>65 °C) organic compounds       Vapour protection       EN 136, EN 140, EN 145, EN 143, EN 149			

#### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

#### Environmental exposure controls:

Avoid release to the environment.

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SECTION 9: Physical and chemical properties		
9.1. Information on basic physical and chemical properties		
Physical state	: Solid	
Colour	: Light grey.	
Appearance	: Paste.	
Odour	: aromatic.	
Odour threshold	: Not available	
Melting point	: Not available	
Freezing point	: Not applicable	
Boiling point	: Not available	
Flammability	: Non flammable.	
Explosive limits	: Not applicable	
Lower explosive limit (LEL)	: Not applicable	
Upper explosive limit (UEL)	: Not applicable	
Flash point	: 32 °C (does not sustain combustion)	
Auto-ignition temperature	Not applicable	
Decomposition temperature	: Not available	
рН	: Not available	
pH solution	: Not available	
Viscosity, kinematic	: > 20.5 mm²/s	
Solubility	: insoluble in water. soluble in most organic solvents.	
Partition coefficient n-octanol/water (Log Kow)	: Not available	
Vapour pressure	: Not available	
Vapour pressure at 50 °C	: Not available	
Density	: 1.15 (1.13 – 1.17) g/cm³	
Relative density	: Not available	
Relative vapour density at 20 °C	: Not applicable	
Particle size	: Not available	
Particle size distribution	: Not available	
Particle shape	: Not available	
Particle aspect ratio	: Not available	
Particle aggregation state	: Not available	
Particle agglomeration state	: Not available	
Particle specific surface area	: Not available	
Particle dustiness	: Not available	
9.2. Other information		
VOC content	: 206 g/l	
9.2.1. Information with regard to physical hazar	d classes	
Not sustained combustibility	: Yes	
9.2.2. Other safety characteristics		
VOC content	: 206 g/l	

### SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

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### 10.5. Incompatible materials

#### No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

TT. T. IIIOIIIation on hazard clas	sses as defined in Regulation (EC) No 1272/2008
Acute toxicity (oral) Acute toxicity (dermal) Acute toxicity (inhalation)	<ul> <li>Not classified</li> <li>Not classified</li> <li>Not classified</li> </ul>
styrene (100-42-5)	
LD50 oral	> 6000 mg/kg bodyweight Animal: hamster, Syrian, Animal sex: male
LD50 oral LD50 dermal rat	<ul> <li>&gt; 6000 mg/kg bodyweight Animal: hamster, Syrian, Animal sex: male</li> <li>&gt; 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 402 (Acute Dermal Toxicity)</li> </ul>

2-phenoxyethanol (122-99-6)	
LD50 oral rat	1850 mg/kg bodyweight (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral, 14 day(s))
LD50 dermal rat	14391 mg/kg bodyweight Animal: rat
LD50 dermal rabbit	> 2214 mg/kg bodyweight Animal: rabbit, Guideline: other:Draft IRLG (Interagency Regulatory Liaison Group) Guidelines for Selected Acute Toxicity Tests (August. 1979)
LC50 Inhalation - Rat	> 1 mg/l air Animal: rat, Guideline: other:OECD 412

dolomite (16389-88-1)	
LD50 oral rat	> 2000 mg/kg (OECD Guideline 425 (Acute Oral Toxicity: Up-and-Down Procedure), rat,
	female, Experimental value)

magnesium hydroxide (1309-42-8)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), Guideline: EPA OPPTS 870.1100 (Acute Oral Toxicity), Guideline: EU Method B.1 tris (Acute Oral Toxicity - Acute Toxic Class Method)
LC50 Inhalation - Rat	<ul> <li>&gt; 2.1 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity),</li> <li>Guideline: EU Method B.2 (Acute Toxicity (Inhalation)), Guideline: EPA OPPTS 870.1300</li> <li>(Acute inhalation toxicity)</li> </ul>

isopentane; 2-methylbutane (78-78-4)	
LD50 oral rat	> 2000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: EU Method B.1 (Acute Toxicity (Oral))
LC50 Inhalation - Rat	> 25.3 mg/l air Animal: rat, Guideline: OECD Guideline 403 (Acute Inhalation Toxicity)

talc (14807-96-6)	
LD50 oral rat	> 5000 mg/kg bodyweight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Male, Experimental value, Oral, 14 day(s))

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LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal, 14 day(s))
LC50 Inhalation - Rat	> 2.1 mg/l (OECD 403: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (aerosol), 15 day(s))

magnesium carbonate (546-93-0)	
4	> 2000 mg/kg bodyweight Animal: rat, Animal sex: female, Guideline: OECD Guideline 120 (Acute Oral Toxicity - Fixed Dose Method), Guideline: EU Method B.1 bis (Acute Oral Toxicity - Fixed Dose Procedure)

silicon dioxide, amorphous (7631-86-9)	
LD50 oral rat	> 10000 mg/kg (Rat, Oral)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit, Dermal)

Calcium carbonate (1317-65-3)	
LD50 oral rat	6450 mg/kg (Rat, Literature study, Oral)
Unknown acute toxicity (CLP) - SDS	: 0.29% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 0.29% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

styrene (100-42-5)	
IARC group	2B - Possibly carcinogenic to humans

Reproductive toxicity

: Suspected of damaging the unborn child.

2-phenoxyethanol (122-99-6)	
LOAEL (animal/male, F1)	≈ 1875 mg/kg bodyweight Animal: mouse, Animal sex: male, Guideline: other:Reproductive Assessment by Continuous Breeding (RACB); protocol devised by the NTP
LOAEL (animal/female, F1)	≈ 1875 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: other:Reproductive Assessment by Continuous Breeding (RACB); protocol devised by the NTP
NOAEL (animal/female, F0/P)	≈ 1875 mg/kg bodyweight Animal: mouse, Animal sex: female, Guideline: other:Reproductive Assessment by Continuous Breeding (RACB); protocol devised by the NTP

#### STOT-single exposure

: May cause respiratory irritation.

styrene (100-42-5)	
STOT-single exposure	May cause respiratory irritation.

isopentane; 2-methylbutane (78-78-4)	
STOT-single exposure	May cause drowsiness or dizziness.
STOT-repeated exposure :	Causes damage to organs (hearing organs) through prolonged or repeated exposure (inhalation).

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styrene (100-42-5)	
LOAEL (oral, rat, 90 days)	2000 mg/kg bodyweight Animal: rat
LOAEC (inhalation, rat, vapour, 90 days)	0.21 mg/l air Animal: rat, Guideline: OECD Guideline 453 (Combined Chronic Toxicity / Carcinogenicity Studies)
NOAEL (oral, rat, 90 days)	1000 mg/kg bodyweight Animal: rat
NOAEL (subchronic, oral, animal/male, 90 days)	10 mg/kg bodyweight Animal: mouse, Animal sex: male
STOT-repeated exposure	Causes damage to organs (hearing sense) through prolonged or repeated exposure (if inhaled).

2-phenoxyethanol (122-99-6)	
LOAEL (oral, rat, 90 days)	> 700 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90- Day Oral Toxicity in Rodents), Guideline: EU Method B.26 (Sub-Chronic Oral Toxicity Test: Repeated Dose 90-Day Oral Toxicity Study in Rodents), Guideline: EPA OPPTS 870.3100 (90-Day Oral Toxicity in Rodents)
LOAEL (dermal, rat/rabbit, 90 days)	> 500 mg/kg bodyweight Animal: rabbit
NOAEL (oral, rat, 90 days)	700 mg/kg bodyweight/day
NOAEL (dermal, rat/rabbit, 90 days)	500 mg/kg bodyweight Animal: rabbit
NOAEC (inhalation, rat, dust/mist/fume, 90 days)	0.0482 mg/l/6h/day

magnesium hydroxide (1309-42-8)	
NOAEL (oral, rat, 90 days)	≥ 1000 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 422 (Combined Repeated Dose Toxicity Study with the Reproduction / Developmental Toxicity Screening Test), Guideline: other:The EPA Health Effects Test Guidelines, OPPTS 870.3650, Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test, July 2000, Guideline: other:Commision Regulation (EC) No 440/2008 Part B:Methods for the Determination of Toxicity and other Health Effects; B.7: "Repeated Dose (28 days) Toxicity (oral)". Official Journal of the European Union No. L142, May 2008, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents), Guideline: other:EPA OPPTS 870.3050( repeated Dose 28-day oral toxicity study in rodents)

isopentane; 2-methylbutane (78-78-4)	
NOAEC (inhalation, rat, vapour, 90 days)	30 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxicity: 90-Day Study), Guideline: other: U.S. EPA/FIFRA Guidelines §82-4, Guideline: EPA OTS 798.2450 (90-Day Inhalation Toxicity), Guideline: other:U.S. EPA/TSCA Guidelines 40 CFR §798.6059, and §798.6059, 798.6200, 798.6400, Guideline: other:EU Guideline 87/302/EEC

Aspiration hazard

: Not classified

EASY 1 BODY FILLER FOR DEEP REPAIRS	
Viscosity, kinematic	> 20.5 mm²/s
11.2. Information on other hazards	

No additional information available

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(chronic)

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SECTION 12: Ecological information	
12.1. Toxicity	
Ecology - general	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term	: Not classified

styrene (100-42-5) LC50 - Fish [1] 10 mg/l Test organisms (species): Pimephales promelas EC50 - Crustacea [1] 4.7 mg/l Test organisms (species): Daphnia magna EC50 72h - Algae [1] 4.9 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) EC50 96h - Algae [1] 6.3 mg/l Test organisms (species): Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum) ErC50 algae 4.9 mg/l (EPA OTS 797.1050, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP) LOEC (chronic) 2.06 mg/l Test organisms (species): Daphnia magna Duration: '21 d' NOEC (chronic) 1.01 mg/I Test organisms (species): Daphnia magna Duration: '21 d'

#### 12.2. Persistence and degradability

styrene (100-42-5)	
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.
Chemical oxygen demand (COD)	2.8 g O <sub>2</sub> /g substance
ThOD	3.07 g O <sub>2</sub> /g substance
BOD (% of ThOD)	0.42 (Literature study)

#### **12.3. Bioaccumulative potential**

styrene (100-42-5)	
BCF - Fish [1]	35.5 (Carassius auratus, Literature study)
Partition coefficient n-octanol/water (Log Pow)	2.96 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 25 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

### 12.4. Mobility in soil

styrene (100-42-5)	
0.032 N/m (20 °C)	
2.55 (log Koc, Estimated value)	
Low potential for adsorption in soil.	

12.5. Results of PBT and VPVB assessment		
Component		
styrene (100-42-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII	
	This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	

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12.6. Endocrine disrupting properties
No additional information available
12.7. Other adverse effects
No additional information available

SECTION 13. Disposal considerations	
13.1. Waste treatment methods	
Regional legislation (waste) Waste treatment methods	<ul> <li>Disposal must be done according to official regulations.</li> <li>Dispose of contents/container in accordance with licensed collector's sorting instructions.</li> </ul>

## **SECTION 14: Transport information**

In accordance with ADR / IMDG / IATA / ADN / RID

14.1. UN number or ID number	
UN-No. (ADR) UN-No. (IMDG)	: Not regulated : Not regulated
UN-No. (IATA)	: Not regulated
UN-No. (ADN)	: Not regulated
UN-No. (RID)	: Not regulated
14.2. UN proper shipping name	
Proper Shipping Name (ADR)	: Not regulated
Proper Shipping Name (IMDG)	: Not regulated
Proper Shipping Name (IATA)	: Not regulated
Proper Shipping Name (ADN) Proper Shipping Name (RID)	: Not regulated : Not regulated
14.3. Transport hazard class(es)	
ADR	
Transport hazard class(es) (ADR)	: Not regulated
IMDG Transport hazard class(es) (IMDG)	: Not regulated
IATA	
Transport hazard class(es) (IATA)	: Not regulated
ADN	
Transport hazard class(es) (ADN)	: Not regulated
RID	
Transport hazard class(es) (RID)	: Not regulated
14.4. Packing group	
Packing group (ADR)	: Not regulated
Packing group (IMDG)	: Not regulated
Packing group (IATA)	: Not regulated
Packing group (ADN) Packing group (RID)	: Not regulated : Not regulated
14.5. Environmental hazards	
Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

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#### 14.6. Special precautions for user

Overland transport Not regulated Transport by sea Not regulated Air transport Not regulated Inland waterway transport Not regulated Rail transport Not regulated

#### 14.7. Maritime transport in bulk according to IMO instruments

Not applicable

### **SECTION 15: Regulatory information**

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

#### 15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:		
Reference code	Applicable on	Entry title or description
3(a)	styrene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F
3(b)	styrene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10
3(c)	styrene	Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1
40.	styrene	Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

VOC content

: 206 g/l

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

#### **SECTION 16: Other information**

Full text of H- and EUH-statements:	
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:vapour)	Acute toxicity (inhalation:vapour) Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Repr. 2	Reproductive toxicity, Category 2
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 1	Specific target organ toxicity — Repeated exposure, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H361	Suspected of damaging fertility or the unborn child.
H361d	Suspected of damaging the unborn child.
H372	Causes damage to organs through prolonged or repeated exposure.
H412	Harmful to aquatic life with long lasting effects.

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