SAFETY DATA SHEET

Based upon Regulation (EC) No 1907/2006, as amended by Regulation (EU) No 2015/830



MEGAPLAST MM B

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

1.1. Product identifier

Product name **Registration number REACH** Product type REACH

: MEGAPLAST MM B : Not applicable (mixture)

: Mixture

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

1.2.1 Relevant identified uses Epoxy resin: hardener

1.2.2 Uses advised against

No uses advised against known

1.3. Details of the supplier of the safety data sheet

Supplier of the safety data sheet

Novatio* Industrielaan 5B B-2250 Olen +32 14 25 76 40 **▲** +32 14 22 02 66 info@novatio.be *NOVATIO is a registered trademark of Novatech International N.V.

Manufacturer of the product

Novatech International N.V. Industrielaan 5B B-2250 Olen +32 14 85 97 37 **i ⊟** +32 14 85 97 38 info@tec7.be

1.4. Emergency telephone number

24h/24h (Telephone advice: English, French, German, Dutch) : +32 14 58 45 45 (BIG)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classified as dangerous according to the criteria of Regulation (EC) No 1272/2008

Class Category Hazard statements				
Flam. Liq.	category 2	H225: Highly flammable liquid and vapour.		
Skin Sens.	category 1	H317: May cause an allergic skin reaction.		
Skin Irrit.	category 2	H315: Causes skin irritation.		
STOT SE	category 3	H335: May cause respiratory irritation.		

2.2 Label elements

Lizi Laber cicilients			
Contains: methyl methad	rylate.		
Signal word	Danger		
H-statements H225	Highly flammable liquid and vapour.		
H317	May cause an allergic skin reaction.		
H315	Causes skin irritation.		
H335	May cause respiratory irritation.		
P-statements			
P210	Keep away from heat, hot surfaces, sparl	ks, open flames and other ignition sources. No smoking.	
P280	Wear protective gloves, protective clothin	ng and eye protection/face protection.	
P304 + P340	IF INHALED: Remove person to fresh air a	nd keep comfortable for breathing.	
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately	all contaminated clothing. Rinse skin with water or shower.	
Created by: Brandweerinformatiece Technische Schoolstraat 43 A, B-244 http://www.big.be © BIG vzw	ntrum voor gevaarlijke stoffen vzw (BIG) 10 Geel	Publication date: 2019-12-04	

134-16239-679-en

P403 + P233 P403 + P235 Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool.

2.3. Other hazards

Gas/vapour spreads at floor level: ignition hazard

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name REACH Registration No	CAS No EC No	Conc. (C)	Classification according to CLP	Note	Remark
methyl methacrylate 01-2119452498-28	80-62-6 201-297-1	50% <c<75%< td=""><td>Flam. Liq. 2; H225 Skin Sens. 1; H317 Skin Irrit. 2; H315 STOT SE 3; H335</td><td>(1)(2)(10)</td><td>Constituent</td></c<75%<>	Flam. Liq. 2; H225 Skin Sens. 1; H317 Skin Irrit. 2; H315 STOT SE 3; H335	(1)(2)(10)	Constituent
oxydipropyl dibenzoate 01-2119529241-49	27138-31-4 248-258-5	C<10%	Aquatic Chronic 3; H412	(1)(10)	Constituent
3,5-diethyl-1,2-dihydro-1-phenyl-2-propylpyridine	34562-31-7 252-091-3	C<3%	Acute Tox. 4; H312 Acute Tox. 4; H302 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Aquatic Chronic 4; H413	(1)(10)	Constituent
fatty acids, tall-oil, reaction products with iminodiethanol and boric acid	91770-03-5 294-785-9	C<1%	Skin Irrit. 2; H315 Aquatic Chronic 2; H411	(1)(10)	Constituent

(1) For H-statements in full: see heading 16

(2) Substance with a Community workplace exposure limit

(10) Subject to restrictions of Annex XVII of Regulation (EC) No. 1907/2006

SECTION 4: First aid measures

4.1. Description of first aid measures

General:

Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim conscious with laboured breathing: half-seated. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Keep watching the victim. Give psychological aid. Keep the victim calm, avoid physical strain. Depending on the victim's condition: doctor/hospital.

After inhalation:

Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

After skin contact:

Wash immediately with lots of water. Do not apply (chemical) neutralizing agents without medical advice. Take victim to a doctor if irritation persists.

After eye contact:

Rinse with water. Remove contact lenses, if present and easy to do. Continue rinsing. Do not apply (chemical) neutralizing agents without medical advice. Take victim to an ophthalmologist if irritation persists.

After ingestion:

Rinse mouth with water. Do not induce vomiting. Do not apply (chemical) neutralizing agents without medical advice. Consult a doctor/medical service if you feel unwell.

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

4.2.1 Acute symptoms

After inhalation:

Irritation of the respiratory tract. Irritation of the nasal mucous membranes. EXPOSURE TO HIGH CONCENTRATIONS: Disturbances of consciousness. After skin contact: Tingling/irritation of the skin. After eye contact:

No effects known.

After ingestion: No effects known.

4.2.2 Delayed symptoms

No effects known.

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

If applicable and available it will be listed below.

SECTION 5: Firefighting measures

5.1. Extinguishing media

5.1.1 Suitable extinguishing media:

Small fire: Quick-acting ABC powder extinguisher, Quick-acting BC powder extinguisher, Quick-acting class B foam extinguisher, Quick-acting CO2 extinguisher.

Major fire: Class B foam (alcohol-resistant), Water spray if puddle cannot expand.

5.1.2 Unsuitable extinguishing media:

Small fire: Water (quick-acting extinguisher, reel); risk of puddle expansion. Major fire: Water; risk of puddle expansion.

5.2. Special hazards arising from the substance or mixture

Upon combustion: formation of CO, CO2 and small quantities of nitrous vapours.

5.3. Advice for firefighters

5.3.1 Instructions:

If exposed to fire cool the closed containers by spraying with water. Physical explosion risk: extinguish/cool from behind cover. Do not move the load if exposed to heat. After cooling: persistant risk of physical explosion.

5.3.2 Special protective equipment for fire-fighters:

Gloves (EN 374). Protective goggles (EN 166). Head/neck protection. Protective clothing (EN 14605 or EN 13034). Heat/fire exposure: compressed air apparatus (EN 136 + EN 137).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Stop engines and no smoking. No naked flames or sparks. Spark- and explosionproof appliances and lighting equipment. 6.1.1 Protective equipment for non-emergency personnel

See heading 8.2

6.1.2 Protective equipment for emergency responders

Gloves (EN 374). Protective goggles (EN 166). Head/neck protection. Protective clothing (EN 14605 or EN 13034). Suitable protective clothing

See heading 8.2

6.2. Environmental precautions

Contain released product. Dam up the liquid spill. Try to reduce evaporation. Take account of toxic/corrosive precipitation water. Prevent spreading in sewers.

6.3. Methods and material for containment and cleaning up

Take up liquid spill into absorbent material, e.g.: sand/kieselguhr. Scoop absorbed substance into closing containers. Carefully collect the spill/leftovers. Clean contaminated surfaces with an excess of water. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

6.4. Reference to other sections

See heading 13.

SECTION 7: Handling and storage

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

7.1. Precautions for safe handling

Keep away from naked flames/heat. Insufficient ventilation: keep naked flames/sparks away. Insufficient ventilation: use spark-/explosionproof appliances and lighting system. Insufficient ventilation: take precautions against electrostatic charges. Gas/vapour heavier than air at 20°C. Observe very strict hygiene - avoid contact. Remove contaminated clothing immediately. Keep container tightly closed. Do not discharge the waste into the drain.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1 Safe storage requirements:

Store in a dry area. Keep container in a well-ventilated place. Fireproof storeroom. Keep out of direct sunlight. Keep only in the original container. Meet the legal requirements.

7.2.2 Keep away from:

Heat sources, ignition sources, oxidizing agents.

7.2.3 Suitable packaging material:

No data available

7.2.4 Non suitable packaging material: No data available

7.3. Specific end use(s)

If applicable and available, exposure scenarios are attached in annex. See information supplied by the manufacturer.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 Occupational exposure

a) Occupational exposure limit values

If limit values are applicable and available these will be listed below.

EU

ethyl methacrylate	Time-weighted average exposure limit 8 h (Indicative occupational exposure limit value)	50 ppm
	Short time value (Indicative occupational exposure limit value)	100 ppm

Belgium

Méthacrylate de méthyle		Time-weighted average	ge exposure limit 8 h		50 ppm
		Time-weighted average	ze exposure limit 8 h		208 mg/m
		Short time value			100 ppm
		Short time value			416 mg/m
The Notherlands		1			
Methylmethacrylaat		Time-weighted averag	ge exposure limit 8 h (Public occu	upational exposur	e 49.2 ppm
		Time-weighted average	ge exposure limit 8 h (Public occu	upational exposur	e 205 mg/m
		Short time value (Pub	lic occupational exposure limit v	alue)	98.4 ppm
		Short time value (Pub	lic occupational exposure limit v	alue)	410 mg/m
France					
Méthacrylate de méthyle		Time-weighted average contraignante)	ge exposure limit 8 h (VRC: Valeu	ur réglementaire	50 ppm
		Time-weighted averag contraignante)	ge exposure limit 8 h (VRC: Valeu	ur réglementaire	205 mg/m
		Short time value (VRC	: Valeur réglementaire contraigr	nante)	100 ppm
		Short time value (VRC	: Valeur réglementaire contraigr	nante)	410 mg/m
Germany					
Methyl-methacrylat		Time-weighted average	ge exposure limit 8 h (TRGS 900)		50 ppm
		Time-weighted average	ge exposure limit 8 h (TRGS 900)		210 mg/m
UK					
Methyl methacrylate		Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))			50 ppm
		Time-weighted average exposure limit 8 h (Workplace exposure limit (EH40/2005))			208 mg/m
		Short time value (Wor	rkplace exposure limit (EH40/200	05))	100 ppm
		Short time value (Wor	rkplace exposure limit (EH40/200	05))	416 mg/m
USA (TLV-ACGIH)					
Methyl methacrylate		Time-weighted average	ge exposure limit 8 h (TLV - Adop	oted Value)	50 ppm
		Short time value (TLV	- Adopted Value)		100 ppm
b) National biological limit value If limit values are applicable and a	<u>s</u> available these will be listed b	elow.			
.2 Sampling methods					
Product name		Test	Number		
Methyl ester of methacrylic acid		NIOSH	2537		
Methyl Methacrylate		NIOSH	2537		
Methyl Methacrylate			36		
Metnyi Metnacrylate			94		
	available these will be listed b	elow.			
A Threshold values <u>DNEL/DMEL - Workers</u> <u>methyl methacrylate</u>					
A Threshold values DNEL/DMEL - Workers methyl methacrylate Effect level (DNEL/DMEL)	Туре		Value	Remark	
A Threshold values DNEL/DMEL - Workers methyl methacrylate Effect level (DNEL/DMEL) DNEL	Type Long-term systemic effe	cts inhalation	Value 208 mg/m ³	Remark	
A Threshold values <u>DNEL/DMEL - Workers</u> methyl methacrylate Effect level (DNEL/DMEL) DNEL	Type Long-term systemic effe Long-term local effects i	cts inhalation nhalation	Value 208 mg/m ³ 208 mg/m ³	Remark	
A Threshold values <u>DNEL/DMEL - Workers</u> methyl methacrylate Effect level (DNEL/DMEL) DNEL	Type Long-term systemic effe Long-term local effects i Long-term systemic effe	cts inhalation nhalation cts dermal	Value 208 mg/m³ 208 mg/m³ 13.67 mg/kg bw/day	Remark	
A Threshold values are applicable and a A Threshold values <u>DNEL/DMEL - Workers</u> methyl methacrylate Effect level (DNEL/DMEL) DNEL	Type Long-term systemic effe Long-term local effects i Long-term systemic effe Acute systemic effects o	cts inhalation nhalation cts dermal ermal	Value 208 mg/m³ 208 mg/m³ 13.67 mg/kg bw/day 1.5 mg/cm²	Remark	
A Threshold values ONEL/DMEL - Workers methyl methacrylate Effect level (DNEL/DMEL) DNEL ONEL ONEL	Type Long-term systemic effe Long-term local effects i Long-term systemic effects o Acute systemic effects o Long-term local effects o	cts inhalation nhalation cts dermal ermal dermal	Value 208 mg/m³ 208 mg/m³ 13.67 mg/kg bw/day 1.5 mg/cm² 1.5 mg/cm²	Remark	
A Threshold values A Threshold values DNEL/DMEL - Workers methyl methacrylate Effect level (DNEL/DMEL) DNEL Oxydipropyl dibenzoate Effect level (DNEL (DMEL)) Effect level (DNEL (DMEL))	Type Long-term systemic effe Long-term local effects i Long-term systemic effects o Acute systemic effects o Long-term local effects o	cts inhalation nhalation cts dermal ermal dermal	Value 208 mg/m³ 208 mg/m³ 13.67 mg/kg bw/day 1.5 mg/cm² 1.5 mg/cm²	Remark	
A Threshold values A Threshold values DNEL/DMEL - Workers methyl methacrylate Effect level (DNEL/DMEL) DNEL Oxydipropyl dibenzoate Effect level (DNEL/DMEL) DNEL DNEL DNEL	Type Long-term systemic effe Long-term local effects i Long-term systemic effects o Long-term local effects o Long-term local effects o Long-term systemic effects o Long-term systemic effects o Long-term systemic effects o	cts inhalation nhalation cts dermal ermal dermal	Value 208 mg/m³ 208 mg/m³ 13.67 mg/kg bw/day 1.5 mg/cm² 1.5 mg/cm² Value 8.8 mg/m³	Remark	
A Threshold values A Threshold values DNEL/DMEL - Workers methyl methacrylate Effect level (DNEL/DMEL) DNEL oxydipropyl dibenzoate Effect level (DNEL/DMEL) DNEL DNEL	Type Long-term systemic effet Long-term local effects i Long-term systemic effects o Long-term local effects o Long-term local effects o Long-term systemic effects o Long-term systemic effects o Long-term systemic effects o	cts inhalation nhalation cts dermal ermal dermal cts inhalation	Value 208 mg/m³ 208 mg/m³ 13.67 mg/kg bw/day 1.5 mg/cm² 1.5 mg/cm² Value 8.8 mg/m³ 35.08 mg/m³	Remark	
A Threshold values A Threshold values DNEL/DMEL - Workers methyl methacrylate Effect level (DNEL/DMEL) DNEL oxydipropyl dibenzoate Effect level (DNEL/DMEL) DNEL DNEL	Type Long-term systemic effet Long-term local effects i Long-term systemic effects o Long-term local effects o Long-term local effects o Long-term systemic effects o Long-term systemic effects o Long-term systemic effects o Acute systemic effects o Long-term systemic effects o Long-term systemic effects o	cts inhalation nhalation cts dermal ermal dermal cts inhalation nhalation cts dermal	Value 208 mg/m³ 208 mg/m³ 13.67 mg/kg bw/day 1.5 mg/cm² 1.5 mg/cm² Value 8.8 mg/m³ 35.08 mg/m³ 10 mg/kg bw/day	Remark	
A Threshold values A Threshold values DNEL/DMEL - Workers methyl methacrylate Effect level (DNEL/DMEL) DNEL oxydipropyl dibenzoate Effect level (DNEL/DMEL) DNEL DNEL	Type Long-term systemic effet Long-term local effects i Long-term systemic effects o Long-term local effects o Long-term local effects o Long-term systemic effects o	cts inhalation nhalation cts dermal ermal dermal cts inhalation nhalation cts dermal ermal	Value 208 mg/m³ 208 mg/m³ 13.67 mg/kg bw/day 1.5 mg/cm² 1.5 mg/cm² Value 8.8 mg/m³ 35.08 mg/m³ 10 mg/kg bw/day 170 mg/kg bw/day	Remark	
A Threshold values A Threshold values DNEL/DMEL - Workers methyl methacrylate Effect level (DNEL/DMEL) DNEL oxydipropyl dibenzoate Effect level (DNEL/DMEL) DNEL fatty acids, tall-oil, reaction produ	Type Long-term systemic effe Long-term local effects i Long-term systemic effects o Long-term local effects o Long-term local effects i Long-term systemic effects ii Long-term systemic effects ii Long-term systemic effects o Acute systemic effects o Acute systemic effects o Acute systemic effects o	cts inhalation nhalation cts dermal ermal dermal cts inhalation nhalation cts dermal ermal boric acid	Value 208 mg/m³ 208 mg/m³ 13.67 mg/kg bw/day 1.5 mg/cm² Value 8.8 mg/m³ 35.08 mg/m³ 10 mg/kg bw/day 170 mg/kg bw/day	Remark	
A Threshold values A Threshold values DNEL/DMEL - Workers methyl methacrylate Effect level (DNEL/DMEL) DNEL oxydipropyl dibenzoate Effect level (DNEL/DMEL) DNEL fatty acids, tall-oil, reaction produ Effect level (DNEL/DMEL)	Type Long-term systemic effet Long-term local effects i Long-term systemic effects o Long-term local effects o Long-term systemic effects i Long-term systemic effects ii Long-term systemic effects o Acute systemic effects o Its with iminodiethanol and Type	cts inhalation nhalation ermal dermal dermal cts inhalation nhalation cts dermal ermal boric acid	Value 208 mg/m³ 208 mg/m³ 13.67 mg/kg bw/day 1.5 mg/cm² Value 8.8 mg/m³ 35.08 mg/m³ 10 mg/kg bw/day 170 mg/kg bw/day Value	Remark	
A Threshold values A Threshold values DNEL/DMEL - Workers methyl methacrylate Effect level (DNEL/DMEL) DNEL oxydipropyl dibenzoate Effect level (DNEL/DMEL) DNEL fatty acids, tall-oil, reaction produ Effect level (DNEL/DMEL) DNEL	Type Long-term systemic effet Long-term local effects i Long-term systemic effects o Long-term local effects o Long-term local effects o Long-term systemic effects o Long-term systemic effects o Long-term systemic effects o Acute systemic effects o Acute systemic effects o Long-term systemic effects o Acute systemic effects o Acute systemic effects o Acute systemic effects o Acute systemic effects o Long-term systemic effects o	cts inhalation nhalation cts dermal ermal dermal cts inhalation nhalation cts dermal ermal boric acid cts inhalation	Value 208 mg/m³ 208 mg/m³ 13.67 mg/kg bw/day 1.5 mg/cm² 1.5 mg/cm² Value 8.8 mg/m³ 35.08 mg/m³ 10 mg/kg bw/day 170 mg/kg bw/day Value 200 mg/kg bw/day 10 mg/kg bw/day 10 mg/kg bw/day	Remark	

methyl methacrylate					
Effect level (DNEL/DMEL)	Туре		Value	I	Remark
DNEL	Long-term syste	mic effects inhalation	74.3 mg/m ³		
	Long-term local	effects inhalation	104 mg/m ³		
	Long-term syste	emic effects dermal	8.2 mg/kg bw/d	lay	
	Long-term local	effects dermal	1.5 mg/cm ²		
	Acute systemic	effects dermal	1.5 mg/cm ²		
oxydipropyl dibenzoate					
Effect level (DNEL/DMEL)	Туре		Value		Remark
DNEL	Long-term syste	mic effects inhalation	8.69 mg/m ³		
	Acute systemic	effects inhalation	8.7 mg/m ³		
	Long-term syste	emic effects dermal	0.22 mg/kg bw/	/day	
	Acute systemic	effects dermal	80 mg/kg bw/d	ау	
	Long-term syste	emic effects oral	5 mg/kg bw/da	у	
fatty acids tall oil reaction prod	Acute systemic	effects oral	80 mg/kg bw/d	ау	
Effect level (DNEL (DMEL)			Value		Demenik
	long torm syste	mic offects inholation	E 45 mg/m ³		Kemark
DNEL	Long term local	offects dormal	5.45 Ilig/III		
	Long torm syste		1 25 mg/kg bw/	(day	
PNEC	Long-term syste			uay	
methyl methacrylate					
Compartments		Value	Re	mark	
Fresh water		0.94 mg/l			
Marine water		0.94 mg/l			
Fresh water (intermittent relea	ases)	0.94 mg/l			
STP		10 mg/l			
Fresh water sediment		5.74 mg/kg sediment dw			
Soil		1.47 mg/kg soil dw			
oxydipropyl dibenzoate					
Compartments		Value	Re	mark	
Fresh water		3.7 μg/l			
Marine water		0.37 μg/l			
Fresh water (intermittent relea	ases)	37 μg/l			
STP		10 mg/l			
Fresh water sediment		1.49 mg/kg sediment dw			
Marine water sediment		0.149 mg/kg sediment dw			
Soll		1 mg/kg soll dw			
fatty acids tall-oil reaction prod	ucts with iminodiatha	333 mg/kg tood			
Compartments		Value	Ro	mark	
Eresh water		0 125 mg/l		mark	
Marine water		0.013 mg/l			
STP		100 mg/l			
Fresh water sediment		5340 mg/kg sediment dw			
Marine water sediment		534 mg/kg sediment dw			
Soil		1070 mg/kg soil dw			

8.1.5 Control banding

If applicable and available it will be listed below.

8.2. Exposure controls

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

8.2.1 Appropriate engineering controls

Keep away from naked flames/heat. Insufficient ventilation: keep naked flames/sparks away. Insufficient ventilation: use spark-/explosionproof appliances and lighting system. Insufficient ventilation: take precautions against electrostatic charges. Measure the concentration in the air regularly. Work under local exhaust/ventilation.

8.2.2 Individual protection measures, such as personal protective equipment

Observe very strict hygiene - avoid contact. Do not eat, drink or smoke during work.

a) Respiratory protection:

Full face mask with filter type A at conc. in air > exposure limit.

b) Hand protection:

Protective gloves against chemicals (EN 374).									
Materials Measured breakthrough time		Remark	Protection index						
butyl rubber	> 60 minutes	0.7 mm	Class 3						

c) Eye protection:

Protective goggles (EN 166).

d) Skin protection:

Head/neck protection. Protective clothing (EN 14605 or EN 13034).

8.2.3 Environmental exposure controls:

See headings 6.2, 6.3 and 13

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical form	Liquid
Viscosity	Viscous
Odour	Characteristic odour
Odour threshold	No data available in the literature
Colour	Off-white
Particle size	Not applicable (liquid)
Explosion limits	No data available in the literature
Flammability	Highly flammable liquid and vapour.
Log Kow	Not applicable (mixture)
Dynamic viscosity	No data available in the literature
Kinematic viscosity	≥ 40 mm²/s ; 40 °C
Melting point	No data available in the literature
Boiling point	> 35 °C
Evaporation rate	No data available in the literature
Relative vapour density	No data available in the literature
Vapour pressure	No data available in the literature
Solubility	No data available in the literature
Relative density	0.97 - 1.01
Decomposition temperature	No data available in the literature
Auto-ignition temperature	No data available in the literature
Flash point	10 °C ; Closed cup
Explosive properties	No chemical group associated with explosive properties
Oxidising properties	No chemical group associated with oxidising properties
ρH	No data available in the literature

9.2. Other information Absolute density

970 kg/m³ - 1010 kg/m³

SECTION 10: Stability and reactivity

10.1. Reactivity

May be ignited by sparks. Gas/vapour spreads at floor level: ignition hazard.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

Precautionary measures

Keep away from naked flames/heat. Insufficient ventilation: keep naked flames/sparks away. Insufficient ventilation: use spark-/explosionproof appliances and lighting system. Insufficient ventilation: take precautions against electrostatic charges.

10.5. Incompatible materials

Oxidizing agents.

10.6. Hazardous decomposition products

Upon combustion: formation of CO, CO2 and small quantities of nitrous vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

11.1.1 Test results

Acute toxicity

MEGAPLAST MM B

No (test)data on the mixture available Judgement is based on the relevant ingredients

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value determination	Remark
Oral	LD50		9400 mg/kg bw		Rat (male / female)	Experimental value	
Dermal	LD50	Equivalent to OECD 402	> 5000 mg/kg bw	24 h	Rabbit (male)	Experimental value	
Inhalation (vapours)	LC50	Equivalent to OECD 403	29.8 mg/l air	4 h	Rat (male / female)	Experimental value	

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value	Remark
						determination	
Oral	LC50	OECD 401	3914 mg/kg bw		Rat (male / female)	Experimental value	
Dermal	LD50	OECD 402	> 2000 mg/kg bw	24 h	Rat (male / female)	Experimental value	
Inhalation (aerosol)	LC50		> 200 mg/l air	4 h	Rat (male / female)	Experimental value	

<u>3,5-diethyl-1,2-dihydro-1-phenyl-2-propylpyridine</u>

	Route of exposure	Parameter	Method	Value	Exposure time	Species	Value	Remark
							determination	
	Oral			category 4			Literature study	
	Dermal			category 4			Literature study	
fatt	v acids. tall-oil. reactio	on products y	vith iminodiethanol ar	nd boric acid				

Route of exposure	Parameter	Method	Value	Exposure time	Species	Value	Remark
						determination	
Oral	LD50	Equivalent to 16 CFR	> 5000 mg/kg bw		Rat (male /	Experimental value	
		1500.3			female)		
Dermal	LD50	16 CFR 1500. 40	> 2000 mg/kg bw	24 h	Rabbit (male /	Experimental value	
					female)		
Inhalation						Data waiving	

Conclusion

Not classified for acute toxicity

Corrosion/irritation

MEGAPLAST MM B

No (test)data on the mixture available Classification is based on the relevant ingredients

methyl methacrylate

Route of exposure	Result	Method	Exposure time	Time point	Species	Value	Remark
Eye	Not irritating			24; 48; 72 hours	Rabbit	Experimental value	Single treatment
Skin	Irritating		4 h	24 hours	Rabbit	Experimental value	
Inhalation	Irritating; STOT SE cat.3					Annex VI	

oxydipropyl dibenzoate

	Route of exposure	Result	Method	Exposure time	Time point	Species	Value	Remark
							determination	
	Eye	Not irritating	OECD 405		1; 24; 48; 72 hours	Rabbit	Experimental	Single treatment
							value	without rinsing
	Skin	Not irritating	OECD 404	4 h	1; 24; 48; 72 hours	Rabbit	Experimental	
							value	
<u>3,</u> !	5-diethyl-1,2-dihydro	o-1-phenyl-2-propylp	<u>oyridine</u>					
	Route of exposure	Result	Method	Exposure time	Time point	Species	Value	Remark

						determination	
Eye	Slightly irritating	Equivalent to		24 hours	Rabbit	Experimental	
		OECD 405				value	
Eye	Irritating;					Literature study	
	category 2						
	Irritating	EPA OTS 798.4470	4 h	1; 24; 48; 72 hrs;	Rabbit	Experimental	
				7; 10; 14 days		value	

fatty acids, tall-oil, reaction products with iminodiethanol and boric acid

Route of exposure	Result	Method	Exposure time	Time point	Species	Value	Remark
						determination	
Skin	Not irritating	EPA OPPTS 870.2500	4 h	24; 48; 72 hours	Rabbit	Experimental value	
Skin	Irritating; category 2					Annex VI	

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Conclusion

Causes skin irritation. May cause respiratory irritation. Not classified as irritating to the eyes

Respiratory or skin sensitisation

MEGAPLAST MM B

No (test)data on the mixture available Classification is based on the relevant ingredients

methyl methacrylate

Route	e of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark
Derm ears)	nal (on the	Sensitizing	Equivalent to OECD 429			Mouse	Experimental value	
ovuding	onul dibonzoat	0						
UNYUIPI	opyr uiberizoai	<u>ie</u>						
Route	e of exposure	Result	Method	Exposure time	Observation time point	Species	Value determination	Remark

Conclusion

May cause an allergic skin reaction. Not classified as sensitizing for inhalation

Specific target organ toxicity

MEGAPLAST MM B

No (test)data on the mixture available

Judgement is based on the relevant ingredients

methyl methacrylate

	Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value determination
	Oral (drinking water)	NOAEL		≥ 124.1 mg/kg bw/day		No effect	104 week(s)	Rat (male)	Experimental value
	Inhalation (vapours)	LOAEC local effects	Equivalent to OECD 453	416 mg/m³ air	Nose	Affection of the nasal septum	104 weeks (6h / day, 5 days / week)	Rat (male / female)	Experimental value
	Inhalation (vapours)	NOAEC local effects	Equivalent to OECD 453	104 mg/m³ air	Nose	No effect	104 weeks (6h / day, 5 days / week)	Rat (male / female)	Experimental value
xy	dipropyl dibenzoate							•	
	Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value

Route of exposure	Parameter	Method	Value	Organ	Effect	Exposure time	Species	Value
								determination
Oral (diet)	NOEL	OECD 408	1000 mg/kg bw/day		No effect	13 week(s)	Rat (male / female)	Experimental value
	-				-			-

Conclusion

Not classified for subchronic toxicity

Mutagenicity (in vitro)

MEGAPLAST MM B

No (test)data on the mixture available

Judgement is based on the relevant ingredients

methyl methacrylate

	Result	Method	Test substrate	Effect	Value determination	Remark
	Negative	Equivalent to OECD 471	Bacteria (S.typhimurium)		Literature study	
oxy	dipropyl dibenzoate					
	Result	Method	Test substrate	Effect	Value determination	Remark
	Negative with metabolic	OECD 476	Mouse (lymphoma L5178Y	No effect	Experimental value	
	activation, negative		cells)			
	without metabolic					
	activation					

Mutagenicity (in vivo)

MEGAPLAST MM B

No (test)data on the mixture available

Judgement is based on the relevant ingredients

methyl methacrylate

Result	Method	Exposure time	Test substrate	Organ	Value determination
Ambiguous	Equivalent to OECD	5 days (5h / day)	Rat (male)	Bone marrow	Experimental value
	475				

Conclusion

Not classified for mutagenic or genotoxic toxicity

Carcinogenicity

MEGAPLAST MM B

No (test)data on the mixture available

Judgement is based on the relevant ingredients

methyl methacrylate

Route of exposure	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value determination
Inhalation	NOAEC	Equivalent to OECD 451	≥ 4.1 mg/l air	102 weeks (6h / day, 5 days / week)	Rat (male)	No carcinogenic effect		Experimental value
Oral (drinking water)	NOAEL	Carcinogenic toxicity study	≥ 90.3 mg/kg bw/day	104 weeks (daily)	Rat (male)	No carcinogenic effect		Experimental value

Conclusion

Not classified for carcinogenicity

Reproductive toxicity

MEGAPLAST MM B

No (test)data on the mixture available

Judgement is based on the relevant ingredients

methyl methaci	<u>rylate</u>
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	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value
								determination
Developmental toxicity	NOAEC	OECD 414	≥ 8.3 mg/l air	10 days (6h / day)	Rat	No effect	Foetus	Experimental value
Maternal toxicity	NOAEC	OECD 414	0.41 mg/l air	10 days (6h / day)	Rat	No effect		Experimental value
Effects on fertility	NOAEL	OECD 416	400 mg/kg bw/day		Rat (male / female)	No effect		Experimental value

oxydipropyl dibenzoate

	Parameter	Method	Value	Exposure time	Species	Effect	Organ	Value
								determination
Developmental toxicity	NOAEL	OECD 414	500 mg/kg	13 days (1x / day)	Rat	No effect	Foetus	Experimental
			bw/day					value
Maternal toxicity	NOAEL	OECD 414	1000 mg/kg	13 day(s)	Rat (female)	No effect		Experimental
			bw/day					value
Effects on fertility	NOEL	OECD 416	10000 ppm		Rat (male /	No effect		Experimental
					female)			value

Conclusion Not classifie

Not classified for reprotoxic or developmental toxicity

Toxicity other effects

MEGAPLAST MM B

No (test)data on the mixture available

Chronic effects from short and long-term exposure

MEGAPLAST MM B

Skin rash/inflammation.

SECTION 12: Ecological information

12.1. Toxicity

MEGAPLAST MM B

No (test)data on the mixture available Judgement is based on the relevant ingredients

methyl methacrylate			-				-			
	Parameter	Method	Value	Duration	Spe	ecies	Test desig	n	Fresh/salt water	Value determination
Acute toxicity fishes	LC50		283 mg/l	96 h	Le ma	pomis acrochirus	Static syst	em		Literature study
Acute toxicity crustacea	EC50	EPA OTS 797.1300	69 mg/l	48 h	Da	phnia magna	Flow- through system		Fresh water	Experimental value; GLP
Toxicity algae and other aquatic plants	ErC50	OECD 201	> 110 mg/l	72 h	Pse ella	eudokirchneri a subcapitata	Static syst	em	Fresh water	Experimental value
	NOEC	OECD 201	110 mg/l	72 h	Pse ella	eudokirchneri a subcapitata	Static syst	em	Fresh water	Experimental value; Growth rate
Long-term toxicity fish	NOEC	OECD 210	9.4 mg/l	35 day(s)	Da	nio rerio	Flow- through system		Fresh water	Experimental value; GLP
Long-term toxicity aquatic crustacea	NOEC	OECD 211	37 mg/l	21 day(s)	Da	phnia magna	Flow- through system		Fresh water	Experimental value; GLP
Toxicity aquatic micro- organisms	EC50		> 178 mg/l	48 h	Ch	ilomas sp.				Literature study
oxydipropyl dibenzoate										
	Parameter	Method	Value	Duration	Spe	ecies	Test desig	n	Fresh/salt water	Value determination
Acute toxicity fishes	LC50	OECD 203	3.7 mg/l	96 h	Pir pro	nephales omelas	Flow- through system		Fresh water	Experimental value; GLP
Acute toxicity crustacea	EL50	OECD 202	19.3 mg/l	48 h	Da	phnia magna	Static syst	em	Fresh water	Experimental value; GLP
Toxicity algae and other aquatic plants	EL50	OECD 201	4.9 mg/l	72 h	Sel ca	lenastrum pricornutum	Static syst	em	Fresh water	Experimental value; GLP
	NOELR	OECD 201	0.46 mg/l	96 h	Sel ca	lenastrum pricornutum	Static syst	em	Fresh water	Experimental value; GLP
Long-term toxicity fish										Data waiving
Long-term toxicity aquatic crustacea										Data waiving
Toxicity aquatic micro- organisms	EC50	OECD 209	> 100 mg/l	3 h	Ac	tivated sludge	Static syst	em	Fresh water	Experimental value; GLP
	NOEC	OECD 209	≥ 100 mg/l	3 h	Ac	tivated sludge	Static syst	em	Fresh water	Experimental value; GLP
Toxicity sediment organisms										Data waiving
	Doromotor	Mathad		(alua		Duration	Sm	ocior		Value determination
Toxicity soil macro organisms	Parameter		7	1000 ppm		14 day(s)	Spe	ectes	fotida	Exportmontal value
			,			14 day(s)		enia	fatida	Experimental value
	NUEC	UECD 207	′			14 úay(s)	EIS	enia	Tetida	Experimental value
Toxicity soil micro-organisms										Data waiving
Toxicity terrestrial plants										Data waiving Data waiving
Toxicity birds	2 propulpyridi									Data waiving
<u>3,5-dietriyi-1,2-diriydr0-1-prietryi-</u>	Parameter	Method	Value	Duration	Spe	ecies	Test desig	n	Fresh/salt	Value determination
Acute toxicity crustacea	EC50	OECD 202	22 mg/l	48 h	Da	phnia magna	Static syst	em	Fresh water	Experimental value;
Toxicity algae and other aquatic plants	ErC50	OECD 201	40 mg/l	72 h	Pse ella	eudokirchneri a subcapitata	Static syst	em	Fresh water	Experimental value; Nominal concentration
Classification of this substance fatty acids, tall-oil, reaction produ	e is debatable a	as it does not c diethanol and l	orrespond to	the conclusion	from	the test				J
	Parameter	Method	Value	Duration	Spe	ecies	Test desig	n	Fresh/salt water	Value determination
Toxicity aquatic micro- organisms	EC50	OECD 209	> 10000 mg	/l 3 h	Ac	tivated sludge	Static syst	em	Fresh water	Experimental value; Nominal concentration

Conclusion

Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008

12.2. Persistence and degradability

pretence grant and a set of the s		vater							
QUCL 2010 Method Issertion [14 dity(s)] [septimetrial value] Method Quartation Quartation Quartation Quartation Address Gase A Sale Core. Of-raticias Value determination Address Gase A Table A Value determination Address Gase A Primary Value determination Method Value Primary Value determination Method Value Duration Value determination Method Duration Value determination Duration Method Duration Value determination Duration Method Duration Value determination Duration Method Solar (US 2 a) Solar (US 2 a) Solar (US 2 a)	Method		. (1)	Value		Duration		Value d	letermination
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methyl methacrylate

(
Parameter	Method	Value	Value determination
log Koc	EPA OTS 796.2750	0.94 - 1.86	Experimental value
oxydipropyl dibenzoate			
(log) Koc			
Parameter	Method	Value	Value determination
log Koc	Equivalent to OECD 121	3.6	Experimental value
3,5-diethyl-1,2-dihydro-1-phenyl-2-propylpyridine			-
(log) Koc			
Parameter	Method	Value	Value determination
log Koc	SRC PCKOCWIN v2.0	4.498 - 4.500	Calculated value
atty acids, tall-oil, reaction products with iminodieth	anol and boric acid		•
(log) Koc			

Parameter Me	1ethod V	Value	Value determination
log Koc EU	U Method C.19	> 5.63	Experimental value

Conclusion

Contains component(s) with potential for mobility in the soil Contains component(s) that adsorb(s) into the soil

12.5. Results of PBT and vPvB assessment

Due to insufficient data no statement can be made whether the component(s) fulfil(s) the criteria of PBT and vPvB according to Annex XIII of Regulation (EC) No 1907/2006.

12.6. Other adverse effects

MEGAPLAST MM B

Greenhouse gases

None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014)

Ozone-depleting potential (ODP)

Not classified as dangerous for the ozone layer (Regulation (EC) No 1005/2009)

Groundwater

Groundwater pollutant

SECTION 13: Disposal considerations

The information in this section is a general description. If applicable and available, exposure scenarios are attached in annex. Always use the relevant exposure scenarios that correspond to your identified use.

13.1. Waste treatment methods

13.1.1 Provisions relating to waste

European Union

Hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997. Waste material code (Directive 2008/98/EC, Decision 2000/0532/EC).

08 04 09* (wastes from MFSU of adhesives and sealants (including waterproofing products): waste adhesives and sealants containing organic solvents or other hazardous substances). Depending on branch of industry and production process, also other waste codes may be applicable.

13.1.2 Disposal methods

Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. Do not discharge into drains or the environment. Dispose of at authorized waste collection point.

13.1.3 Packaging/Container

European Union

Waste material code packaging (Directive 2008/98/EC).

15 01 10* (packaging containing residues of or contaminated by dangerous substances).

SECTION 14: Transport information

Road (ADR)

14.1. UN number	
UN number	1133
14.2. UN proper shipping name	
Proper shipping name	Adhesives
14.3. Transport hazard class(es)	
Hazard identification number	33
Class	3
Classification code	F1
14.4. Packing group	
Packing group	I
Labels	3

14. <u>5. Environmental hazards</u>	
Environmentally hazardous substance mark	no
14.6. Special precautions for user	
Special provisions	640D
Limited quantities	Combination packagings: not more than 5 liters per inner packaging for
	liquids. A package shall not weigh more than 30 kg. (gross mass)

Rail (RID)

14. <u>1</u> . UN number	
UN number	1133
14.2. UN proper shipping name	
Proper shipping name	Adhesives
14.3. Transport hazard class(es)	
Hazard identification number	33
Class	3
Classification code	F1
14.4. Packing group	
Packing group	П
Labels	3
14.5. Environmental hazards	
Environmentally hazardous substance mark	no
14.6. Special precautions for user	
Special provisions	640D
Limited quantities	Combination packagings: not more than 5 liters per inner packaging for liquids. A package shall not weigh more than 30 kg. (gross mass)

Inland waterways (ADN)

14.	1. UN number	
	UN number	1133
14.	2. UN proper shipping name	
	Proper shipping name	Adhesives
14.	3. Transport hazard class(es)	
	Class	3
	Classification code	F1
14.	4. Packing group	
	Packing group	I
	Labels	3
14.	5. Environmental hazards	
	Environmentally hazardous substance mark	no
14.	6. Special precautions for user	
	Special provisions	640D
	Limited quantities	Combination packagings: not more than 5 liters per inner packaging for
		liquids. A package shall not weigh more than 30 kg. (gross mass)

Sea (IMDG/IMSBC)

14.	1. UN number	
	UN number	1133
14.	2. UN proper shipping name	-
	Proper shipping name	adhesives
14.	3. Transport hazard class(es)	· · · · · · · · · · · · · · · · · · ·
	Class	3
14.	4. Packing group	1
	Packing group	II
	Labels	3
14.	5. Environmental hazards	1
	Marine pollutant	-
	Environmentally hazardous substance mark	no
14.	6. Special precautions for user	
	Special provisions	
	Limited quantities	Combination packagings: not more than 5 liters per inner packaging for
		liquids. A package shall not weigh more than 30 kg. (gross mass)
14.	7. Transport in bulk according to Annex II of Marpol and the IBC Code	·
	Annex II of MARPOL 73/78	Not applicable, based on available data
Air (l	CAO-TI/IATA-DGR)	
14.	1. UN number	11
	UN number	1133
14.	2. UN proper shipping name	
	Proper shipping name	Adhesives
14.	3. Transport hazard class(es)	·
	Class	3
14.	4. Packing group	

	Packing group	11	
	Packing group	11	
	Labels	3	
14.	5. Environmental hazards		
	Environmentally hazardous substance mark	no	
14.6	6. Special precautions for user		
	Special provisions	A3	
Pa	assenger and cargo transport		
	Limited quantities: maximum net quantity per packaging	1 L	
	N 15: Regulatory information		

SECTION 15: Regulatory information

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

European legislation:

VOC content Directive 2010/75/EU

VOC content	Remark
50 % - 75 %	

REACH Annex XVII - Restriction

Contains component(s) subject to restrictions of Annex XVII of Regulation (EC) No 1907/2006: restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles.

	Designation of the substance, of the group of substances or of the mixture	Conditions of restriction
 methyl methacrylate oxydipropyl dibenzoate 3,5-diethyl-1,2-dihydro-1-phenyl-2-propylpyridine fatty acids, tall-oil, reaction products with iminodiethanol and boric acid 	Liquid 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: (a) 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; (b) 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; (c) hazard class 5.1.	 Shall not be used in: ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps and ashtrays, tricks and jokes, games for one or more participants, or any article intended to be used as such, even with ornamental aspects, Articles not complying with paragraph 1 shall not be placed on the market. Shall not be placed on the market if they contain a colouring agent, unless required for fiscal reasons, or perfume, or both, if they:
• methyl methacrylate	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 that Regulation or not.	 Shall not be used, as substance or as mixtures in aerosol dispensers where these aerosol dispensers are intended for supply to the general public for entertainment and decorative purposes such as the following: metallic glitter intended mainly for decoration, artificial snow and frost, "whoopee" cushions, silly string aerosols, imitation excrement, horns for parties, decorative flakes and foams, artificial cobwebs, stink bombs. Without prejudice to the application of other Community provisions on the classification, packaging and labelling of substances, suppliers shall ensure before the placing on the market that the packaging of aerosol dispensers referred to above is marked visibly, legibly and indelibly with: "For professional users only". By way of derogation, paragraphs 1 and 2 shall not apply to the aerosol dispensers referred to a the market unless they conform to the requirements indicated.

MEGAPLAST MM B

No data available

National legislation The Netherlands MEGAPLAST MM B

	Waterbezwaarlijkheid	B (3); Algemene Beoordelingsmethodiek (ABM)	
fatty acids, tall-oil, reaction products with iminodiethanol and boric acid		cts with iminodiethanol and boric acid	
	SZW - Lijst van	(complexe) aardolie- en steenkoolderivaten; Listed in SZW-list of carcinogenic substances	
	kankerverwekkende stoffen		
	SZW - Lijst van mutagene	(complexe) aardolie- en steenkoolderivaten; Listed in SZW-list of mutagenic substances	
	stoffen		

National legislation France <u>MEGAPLAST MM B</u>

No data available

National legislation Germany

	VIEGAPLAST MINI B			
	WGK	2; Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (AwSV) - 18. April 2017		
methyl methacrylate				
Ē	TA-Luft	5.2.5		
ŀ	TRGS900 - Risiko der	Methyl-methacrylat; Y; Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des		
	Fruchtschädigung	biologischen Grenzwertes nicht befürchtet zu werden		
oxydipropyl dibenzoate				
ŀ	TA-Luft	5.2.5/I		
<u>3,</u>	3,5-diethyl-1,2-dihydro-1-phenyl-2-propylpyridine			
ŀ	TA-Luft	5.2.5/I		
fa	fatty acids, tall-oil, reaction products with iminodiethanol and boric acid			
Ē	TA-Luft	5.2.5/I		

National legislation United Kingdom MEGAPLAST MM B

No data available

<u>Ot</u>

<u>her relevant data</u>		
Ν	<u>/IEGAPLAST MM B</u>	
	No data available	
methyl methacrylate		
	Skin Sensitisation	Methyl methacrylate; SEN; Sensitization
	IARC - classification	3; Methyl methacrylate
	TLV - Carcinogen	Methyl methacrylate; A4

15.2. Chemical safety assessment

No chemical safety assessment has been conducted for the mixture.

SECTION 16: Other information

Full text of any H-statements referred to under heading 3:		
H225	Highly flammable liquid and vapour.	
H302	Harmful if swallowed.	
H312	Harmful in contact with skin.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H319	Causes serious eye irritation.	
H335	May cause respiratory irritation.	
H411 Toxic to aquatic life with long lasting effects.		
H412 Harmful to aquatic life with long lasting effects.		
H413	May cause long lasting harmful effects to aquatic life.	
(*)	INTERNAL CLASSIFICATION BY BIG	
ADI	Acceptable daily intake	
AOEL	Acceptable operator exposure level	
CLP (E	U-GHS) Classification, labelling and packaging (Globally Harmonised System in Europe)	
DMEL	Derived Minimal Effect Level	
DNEL	Derived No Effect Level	
EC50	Effect Concentration 50 %	
ErC50	EC50 in terms of reduction of growth rate	
LC50	Lethal Concentration 50 %	
LD50	Lethal Dose 50 %	
NOAE	L No Observed Adverse Effect Level	
NOEC	No Observed Effect Concentration	
OECD	Organisation for Economic Co-operation and Development	
PBT	Persistent, Bioaccumulative & Toxic	
PNEC	Predicted No Effect Concentration	
STP	Sludge Treatment Process	
	Publication date: 2019-12-04	

very Persistent & very Bioaccumulative

vPvB

The information in this safety data sheet is based on data and samples provided to BIG. The sheet was written to the best of our ability and according to the state of knowledge at that time. The safety data sheet only constitutes a guideline for the safe handling, use, consumption, storage, transport and disposal of the substances/preparations/mixtures mentioned under point 1. New safety data sheets are written from time to time. Only the most recent versions may be used. Unless indicated otherwise word for word on the safety data sheet, the information does not apply to substances/preparations/mixtures in purer form, mixed with other substances or in processes. The safety data sheet offers no quality specification for the substances/preparations/mixtures in question. Compliance with the instructions in this safety data sheet does not release the user from the obligation to take all measures dictated by common sense, regulations and recommendations or which are necessary and/or useful based on the real applicable circumstances. BIG does not guarantee the accuracy or exhaustiveness of the information for safety data sheet is only to be used within the European Union, Switzerland, Iceland, Norway and Liechtenstein. Any use outside of this area is at your own risk. Use of this safety data sheet is subject to the licence and liability limiting conditions as stated in your BIG licence agreement or when this is failing the general conditions of BIG. All intellectual property rights to this sheet are the property of BIG and its distribution and reproduction are limited. Consult the mentioned agreement/conditions for details.