SAFETY DATA SHEET

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

1.1. Product identifier			
Trade name or designation of the mixture	PLEXUS® MA8105 Adhesive		
Registration number	-		
Synonyms	None.		
Issue date	11-25-2021		
Version number	01		
1.2. Relevant identified uses of t	he substance or mixture and u	ses advised against	
Identified uses	Not available.		
Uses advised against	None known.		
1.3. Details of the supplier of the	e safety data sheet		
Supplier			
Company name	ITW Performance Polymers		
Address	30 Endicott Street		
	Danvers, MA 01923		
	US		
Division			
Telephone	Customer Service 978-777-1100		
e-mail	Not available.		
Contact person	Not available.		
1.4. Emergency telephone number	Chemtrec 800-424-9300		
	International 703-527-3887		

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

Physical hazards

Flammable liquids	Category 2	H225 - Highly flammable liquid and vapor.
Health hazards		
Acute toxicity, inhalation	Category 4	H332 - Harmful if inhaled.
Skin corrosion/irritation	Category 1A	H314 - Causes severe skin burns and eye damage.
Serious eye damage/eye irritation	Category 1	H318 - Causes serious eye damage.
Skin sensitization	Category 1	H317 - May cause an allergic skin reaction.
Environmental hazards		
Hazardous to the aquatic environment, long-term aquatic hazard	Category 2	H411 - Toxic to aquatic life with long lasting effects.

Hazard summary

May be ignited by heat, sparks or flames. Causes severe skin burns and eye damage. Harmful if inhaled. May cause an allergic skin reaction. Dangerous for the environment if discharged into watercourses. Occupational exposure to the substance or mixture may cause adverse health effects.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains:

MALEIC ACID, METHACRYLIC ACID, Methyl Methacrylate

Hazard pictograms



Signal word

Hazard statements	
H225	Highly flammable liquid and vapor.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H332	Harmful if inhaled.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements

nti Pre

Prevention	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground and bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P242	Use non-sparking tools.
P243	Take action to prevent static discharges.
P260	Do not breathe mist/vapors.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
Response	
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
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.
P310	Immediately call a POISON CENTER/doctor.
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: Use appropriate media to extinguish.
P391	Collect spillage.
Storage	
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
Disposal	
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.
Supplemental label information	35% of the mixture consists of component(s) of unknown acute oral toxicity. 74,85% of the mixture consists of component(s) of unknown acute dermal toxicity. 81,76% of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 80,43% of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment.
2.3. Other hazards	This mixture does not meet vPvB / PBT criteria of Regulation (EC) No 1907/2006, Annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No	o. Index No.	Notes
Methyl Methacrylate	30 - < 40	80-62-6 201-297-1	-	607-035-00-6	#
Classification:	Flam. Liq. 2;H225, Skir 3;H335	ı Irrit. 2;H315, Skin S	ens. 1;H317, Acute Tox. 4	;H332, STOT SE	D
METHACRYLIC ACID	5 - < 10	79-41-4 201-204-4	-	607-088-00-5	
Classification:	Acute Tox. 4;H302, Acu Tox. 3;H331, STOT SE		n Corr. 1A;H314, Eye Dam	. 1;H318, Acute	D

Chemical name		%	CAS-No. / EC No.	REACH Registrat	ion No. Index No.	Notes
DODECYL METHACRYL	ATE 3	- < 5	142-90-5 205-570-6	-	607-247-00-9	
Classification:	Skin Irrit. 2;H315 Chronic 1;H410	, Eye Irri	t. 2;H319, STOT S	E 3;H335, Aquatic A	Acute 1;H400, Aquatic	
HEXADECYL METHACR	YLATE 1	- < 3	2495-27-4 219-672-3	-	607-134-00-4	
Classification:	Skin Irrit. 2;H315	, Eye Irri	t. 2;H319, STOT S	E 3;H335		А
MALEIC ACID	1	- < 3	110-16-7 203-742-5	-	607-095-00-3	
Classification:			e Tox. 4;H312, Skir 5, Aquatic Chronic		Sens. 1;H317, Eye Irrit.	
1,4-benzoquinone	<	0,2	106-51-4 203-405-2	-	606-013-00-3	
Classification:				rit. 2;H319, Acute T tic Chronic 1;H410(ox. 3;H331, STOT SE M=100)	
Other components below levels	reportable 40	- < 50				
List of abbreviations and sy #: This substance has bee M: M-factor PBT: persistent, bioaccum vPvB: very persistent and All concentrations are in p	en assigned Unior nulative and toxic very bioaccumula	n workpla substand ative sub	ace exposure limit(: ce. stance.		are in percent by volume	
Composition comments				layed in section 16.		
SECTION 4: First aid n	neasures			•		
General information		involved			at medical personnel are a selves. Wash contaminate	
4.1. Description of first aid n	neasures					
Inhalation					omfortable for breathing. (pr/physician if you feel un	
Skin contact	or poison co	ontrol ce			n with soap and water. Ca t be treated by a physicia	
Eye contact					minutes. Remove contact or poison control center i	
Ingestion					se mouth. Do not induce v oesn't get into the lungs.	omiting. If
4.2. Most important symptor and effects, both acute and delayed	ns Burning pair include sting blindness co	ging, tea	ring, redness, swel	damage. Causes s ling, and blurred vis	serious eye damage. Sym sion. Permanent eye dama	ptoms may age including
4.3. Indication of any immediate medical attention and special treatment neede	d immediately d ambulance. immediately ambulance.	/. While f Continu /. While f Continu	flushing, remove cl le flushing during tr flushing, remove cl	othes which do not ansport to hospital. othes which do not ansport to hospital.	tically. Thermal burns: Flu adhere to affected area. (Chemical burns: Flush w adhere to affected area. (Keep victim warm. Keep	Call an ith water Call an
SECTION 5: Firefightin	ng measures					
General fire hazards	Highly flam	mable lic	luid and vapor.			
5.1. Extinguishing media Suitable extinguishing media	Water fog. F	Foam. D	ry chemical powde	. Carbon dioxide (C	CO2).	
Unsuitable extinguishin media	g Do not use	water jet	as an extinguishe	, as this will spread	the fire.	
5.2. Special hazards arising from the substance or mixtu					travel considerable distar health may be formed.	nce to a source
5.3. Advice for firefighters Special protective equipment for firefighte		ned breat	thing apparatus and	d full protective clot	ning must be worn in case	e of fire.

Special fire fighting procedures	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.

CECTION & Accidental release m

SECTION 6: Accidental re	lease measures
6.1. Personal precautions, prote	ctive equipment and emergency procedures
For non-emergency personnel	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
For emergency responders	Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Use personal protection recommended in Section 8 of the SDS.
6.2. Environmental precautions	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
6.3. Methods and material for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent product from entering drains.
	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.
	Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
	Never return spills to original containers for re-use.
6.4. Reference to other sections	For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.
SECTION 7: Handling and	storage
7.1. Precautions for safe handling	Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparing tools and explosion-proof equipment

-	ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Do not breathe mist/vapors. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.
7.2. Conditions for safe storage, including any incompatibilities	Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).
7.3. Specific end use(s)	Not available.

7.3. Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Austria. MAK List, OEL Ordinance (GwV), BGBI. II, no. 184/2001

Components	Туре	Value	
1,4-benzoquinone (CAS 106-51-4)	Ceiling	0,4 mg/m3	
		0,1 ppm	
	MAK	0,4 mg/m3	
		0,1 ppm	
METHACRYLIC ACID (CAS 79-41-4)	МАК	70 mg/m3	
		20 ppm	
Methyl Methacrylate (CAS 80-62-6)	Ceiling	420 mg/m3	
		100 ppm	
	MAK	210 mg/m3	
		50 ppm	

Belgium. Exposure Limit Values Components	Туре	Value	Form
1,4-benzoquinone (CAS 106-51-4)	TWA	0,45 mg/m3	
		0,1 ppm	
METHACRYLIC ACID (CAS 79-41-4)	TWA	71 mg/m3	
		20 ppm	
Methyl Methacrylate (CAS 80-62-6)	STEL	416 mg/m3	
		100 ppm	
	TWA	208 mg/m3	
		50 ppm	
Paraffin Wax (CAS 8002-74-2)	TWA	2 mg/m3	Fume.

Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work Components Value

components	туре	value	
1,4-benzoquinone (CAS 106-51-4)	TWA	0,4 mg/m3	
METHACRYLIC ACID (CAS 79-41-4)	TWA	70 mg/m3	
Methyl Methacrylate (CAS 80-62-6)	STEL	100 ppm	
	TWA	50 ppm	
POLY(METHYL METHACRYLATE) (CAS 9011-14-7)	TWA	20 mg/m3	

Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09 Components Type Value Form

Components	гуре	value	FOIII
METHACRYLIC ACID (CAS 79-41-4)	MAC	72 mg/m3	
		20 ppm	
	STEL	143 mg/m3	
		40 ppm	
Methyl Methacrylate (CAS 80-62-6)	MAC	50 ppm	
	STEL	100 ppm	
Paraffin Wax (CAS 8002-74-2)	MAC	2 mg/m3	Fume.
	STEL	6 mg/m3	Fume.
Czech Republic. OELs. Governmer	nt Decree 361		
Components	Туре	Value	
1,4-benzoquinone (CAS 106-51-4)	Ceiling	0,8 mg/m3	
	TWA	0,4 mg/m3	
Methyl Methacrylate (CAS 80-62-6)	Ceiling	150 mg/m3	
	TWA	50 mg/m3	
Denmark. Exposure Limit Values			
Components	Туре	Value	Form
1,4-benzoquinone (CAS 106-51-4)	TLV	0,4 mg/m3	
		0,1 ppm	
METHACRYLIC ACID (CAS 79-41-4)	TLV	70 mg/m3	
		20 ppm	
Methyl Methacrylate (CAS 80-62-6)	TLV	102 mg/m3	

Denmark. Exposure Limit Values			
Components	Туре	Value	Form
		25 ppm	
Paraffin Wax (CAS 8002-74-2)	TLV	2 mg/m3	Fume.
Estonia. OELs. Occupational Expo 2001)	sure Limits of Hazardous S	ubstances. (Annex of Regulatio	n No. 293 of 18 September
Components	Туре	Value	Form
1,4-benzoquinone (CAS 106-51-4)	STEL	1,3 mg/m3	
		0,3 ppm	
	TWA	0,4 mg/m3	
		0,1 ppm	
METHACRYLIC ACID (CAS 79-41-4)	STEL	100 mg/m3	
		30 ppm	
	TWA	70 mg/m3	
		20 ppm	
Methyl Methacrylate (CAS 80-62-6)	STEL	100 ppm	
	TWA	50 ppm	
Paraffin Wax (CAS 8002-74-2)	TWA	2 mg/m3	Vapor.
Finland. Workplace Exposure Limi			
Components	Туре	Value	Form
1,4-benzoquinone (CAS 106-51-4)	STEL	1,3 mg/m3	
		0,3 ppm	
	TWA	0,45 mg/m3	
		0,1 ppm	
METHACRYLIC ACID (CAS 79-41-4)	TWA	71 mg/m3	
		20 ppm	
Methyl Methacrylate (CAS 80-62-6)	STEL	210 mg/m3	
		50 ppm	
	TWA	42 mg/m3	
		10 ppm	
Paraffin Wax (CAS 8002-74-2)	TWA	1 mg/m3	Fume.
France. Threshold Limit Values (VI Components	LEP) for Occupational Expo Type	sure to Chemicals in France, IN Value	RS ED 984 Form
1,4-benzoquinone (CAS 106-51-4)	VLE	1,5 mg/m3	
Regulatory status: Indicative	limit (VL)	0,3 ppm	
Regulatory status: Indicative	limit (VL) VME		
Regulatory status: Indicative		0,4 mg/m3	
		0,1 ppm	
Regulatory status: Indicative METHACRYLIC ACID (CAS 79-41-4)	limit (VL) VME	70 mg/m3	

20 ppm

Regulatory status: Indicative limit (VL)

Regulatory status: Indicative limit (VL)

France. Threshold Limit Components	Values (VLEP) for Occupational Expose Type	ure to Chemicals in France, INF Value	S ED 984 Form
Methyl Methacrylate (CAS 80-62-6)	VLE	410 mg/m3	
Regulatory status:	Regulatory binding (VRC)		
		100 ppm	
Regulatory status:	Regulatory binding (VRC)		
	VME	205 mg/m3	
Regulatory status:	Regulatory binding (VRC)		
		50 ppm	
Regulatory status:	Regulatory binding (VRC)		
Paraffin Wax (CAS 8002-74-2)	VME	2 mg/m3	Fume.
Regulatory status:	Indicative limit (VL)		

Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Туре	Value		
METHACRYLIC ACID (CAS 79-41-4)	TWA	180 mg/m3		
		50 ppm		
Methyl Methacrylate (CAS 80-62-6)	TWA	210 mg/m3		
		50 ppm		
Germany. TRGS 900, Limit Values				
Components	Туре	Value		
METHACRYLIC ACID (CAS 79-41-4)	AGW	180 mg/m3		
		50 ppm		
Methyl Methacrylate (CAS 80-62-6)	AGW	210 mg/m3		
		50 ppm		
Greece. OELs (Decree No. 90/1999			_	
Components	Туре	Value	Form	
1,4-benzoquinone (CAS 106-51-4)	STEL	1,5 mg/m3		
		0,3 ppm		
	TWA	0,4 mg/m3		
		0,1 ppm		
METHACRYLIC ACID (CAS 79-41-4)	STEL	140 mg/m3		
		40 ppm		
	TWA	70 mg/m3		
		20 ppm		
Methyl Methacrylate (CAS 80-62-6)	STEL	100 ppm		
	TWA	50 ppm		
Paraffin Wax (CAS 8002-74-2)	STEL	6 mg/m3	Fume.	
	TWA	2 mg/m3	Fume.	
Hungary. OELs. Joint Decree on C				
Components	Туре	Value		
Methyl Methacrylate (CAS 80-62-6)	STEL	415 mg/m3		
	TWA	208 mg/m3		

Components	Туре	Value	Form
1,4-benzoquinone (CAS 106-51-4)	TWA	0,4 mg/m3	
		0,1 ppm	
METHACRYLIC ACID (CAS 79-41-4)	TWA	70 mg/m3	
		20 ppm	
Methyl Methacrylate (CAS 30-62-6)	STEL	100 ppm	
	TWA	50 ppm	
Paraffin Wax (CAS 8002-74-2)	TWA	2 mg/m3	Fume.
reland. Occupational Exposure Limits			
Components	Туре	Value	Form
1,4-benzoquinone (CAS 106-51-4)	TWA	0,4 mg/m3	
		0,1 ppm	
METHACRYLIC ACID (CAS 79-41-4)	STEL	140 mg/m3	
		40 ppm	
	TWA	70 mg/m3	
		20 ppm	
Methyl Methacrylate (CAS 30-62-6)	STEL	100 ppm	
	TWA	50 ppm	
Paraffin Wax (CAS 3002-74-2)	STEL	6 mg/m3	Fume.
	TWA	2 mg/m3	Fume.
taly. Occupational Exposure Limits			
Components	Туре	Value	Form
1,4-benzoquinone (CAS 106-51-4)	TWA	0,1 ppm	
METHACRYLIC ACID (CAS 79-41-4)	TWA	20 ppm	
Methyl Methacrylate (CAS 30-62-6)	STEL	100 ppm	
	TWA	50 ppm	
Paraffin Wax (CAS 3002-74-2)	TWA	2 mg/m3	Fume.
Latvia. OELs. Occupational exposure lin Components	nit values of chemical substance Type	es in work environment Value	
1,4-benzoquinone (CAS 106-51-4)	TWA	0,05 mg/m3	
	T \A/A	$10 m m^{2} m^{2}$	

1,4-benzoquinone (CAS 106-51-4)	TWA	0,05 mg/m3
METHACRYLIC ACID (CAS 79-41-4)	TWA	10 mg/m3
Methyl Methacrylate (CAS 80-62-6)	TWA	10 mg/m3

Lithuania. OELs. Limit Values for Chemical Substances, General Requirements

Components	Туре	Value	
1,4-benzoquinone (CAS 106-51-4)	STEL	1,3 mg/m3	
		0,3 ppm	
	TWA	0,4 mg/m3	
		0,1 ppm	
METHACRYLIC ACID (CAS 79-41-4)	STEL	100 mg/m3	
		30 ppm	

Lithuania. OELs. Limit Values for Components	Type	Value	
	TWA	70 mg/m3	
		20 ppm	
Methyl Methacrylate (CAS 30-62-6)	STEL	416 mg/m3	
50-02-0)		100 ppm	
	TWA	208 mg/m3	
		50 ppm	
Luxembourg. Binding Occupation Components	al exposure limit values (Anno Type	ex I), Memorial A Value	
Methyl Methacrylate (CAS 80-62-6)	STEL	100 ppm	
	TWA	50 ppm	
Malta. OELs. Occupational Exposi Schedules I and V)	ure Limit Values (L.N. 227. of (Occupational Health and Safe	ty Authority Act (CAP. 42
Components	Туре	Value	
Methyl Methacrylate (CAS 80-62-6)	STEL	100 ppm	
	TWA	50 ppm	
Netherlands. OELs (binding)	T (
Components	Туре	Value	
Methyl Methacrylate (CAS 80-62-6)	STEL	410 mg/m3	
	TWA	205 mg/m3	
Norway. Administrative Norms for Components	Contaminants in the Workpla Type	ace Value	Form
1,4-benzoquinone (CAS 106-51-4)	TLV	0,4 mg/m3	
		0,1 ppm	
METHACRYLIC ACID (CAS 79-41-4)	TLV	70 mg/m3	
		20 ppm	
Methyl Methacrylate (CAS 80-62-6)	STEL	400 mg/m3	
,		100 ppm	
	TLV	100 mg/m3	
		25 ppm	
Paraffin Wax (CAS 8002-74-2)	TLV	2 mg/m3	Fume.
Poland. Ordinance of the Minister			
concentrations and intensities of I Components	narmful health factors in the v Type	vork environment, Journal of Value	Laws 2014, item 817 Form
1,4-benzoquinone (CAS	STEL	0,4 mg/m3	
106-51-4)	-	-	
	TWA	0,1 mg/m3	
Methyl Methacrylate (CAS 30-62-6)	STEL	300 mg/m3	
	TWA	100 mg/m3	
Paraffin Wax (CAS 8002-74-2)	TWA	2 mg/m3	Inhalable fraction.
Portugal. VLEs. Norm on occupati Components	onal exposure to chemical ag Type	jents (NP 1796) Value	Form
1,4-benzoquinone (CAS	TWA	0,1 ppm	
106-51-4)	IWA	о, тррпт	

Portugal. VLEs. Norm on occupati Components	Type	Value	Form
METHACRYLIC ACID (CAS 79-41-4)	TWA	20 ppm	
Methyl Methacrylate (CAS 80-62-6)	STEL	100 ppm	
	TWA	50 ppm	
Paraffin Wax (CAS 8002-74-2)	TWA	2 mg/m3	Fume.
Romania. OELs. Protection of wor	-		_
Components	Туре	Value	Form
1,4-benzoquinone (CAS 106-51-4)	STEL	0,4 mg/m3	
	TWA	0,3 mg/m3	
METHACRYLIC ACID (CAS 79-41-4)	STEL	45 mg/m3	
		13 ppm	
	TWA	30 mg/m3	
		8,5 ppm	
Methyl Methacrylate (CAS 80-62-6)	STEL	410 mg/m3	
		100 ppm	
	TWA	205 mg/m3	
		50 ppm	
Paraffin Wax (CAS 8002-74-2)	STEL	6 mg/m3	Fume.
	TWA	2 mg/m3	Fume.
Slovakia. OELs. Regulation No. 30	0/2007 concerning protectior	n of health in work with chemi	cal agents
Components	Туре	Value	Form
1,4-benzoquinone (CAS 106-51-4)	TWA	0,4 mg/m3	
		0,1 ppm	
Methyl Methacrylate (CAS 80-62-6)	STEL	100 ppm	
	TWA	50 ppm	
Paraffin Wax (CAS 8002-74-2)	STEL	6 mg/m3	Fume.
	TWA	2 mg/m3	Fume.
Slovenia. OELs. Regulations conc (Official Gazette of the Republic of		against risks due to exposure	e to chemicals while work
Components	Type	Value	

Components	Туре	Value
METHACRYLIC ACID (CAS 79-41-4)	TWA	180 mg/m3
		50 ppm
Methyl Methacrylate (CAS 80-62-6)	TWA	210 mg/m3
		50 ppm
Spain. Occupational Exposure Lim	its	
Components	Туре	Value Form
1,4-benzoquinone (CAS 106-51-4)	TWA	0,45 mg/m3
		0,1 ppm
METHACRYLIC ACID (CAS 79-41-4)	TWA	72 mg/m3
		20 ppm
Methyl Methacrylate (CAS 80-62-6)	STEL	100 ppm

Components	its Type	Value	Form
	TWA	50 ppm	
Paraffin Wax (CAS 8002-74-2)	TWA	2 mg/m3	Fume.
Sweden. OELs. Work Environment Components	Authority (AV), Occupational Type	Exposure Limit Values (AFS Value	5 2015:7)
1,4-benzoquinone (CAS	STEL	1,3 mg/m3	
106-51-4)			
		0,3 ppm	
	TWA	0,4 mg/m3	
		0,1 ppm	
METHACRYLIC ACID (CAS 79-41-4)	STEL	100 mg/m3	
		30 ppm	
	TWA	70 mg/m3	
		20 ppm	
Methyl Methacrylate (CAS	Ceiling	400 mg/m3	
80-62-6)	Ŭ		
		100 ppm	
	TWA	200 mg/m3	
		50 ppm	
Switzerland. SUVA Grenzwerte am	-		_
Components	Туре	Value	Form
I,4-benzoquinone (CAS	STEL	0,4 mg/m3	
106-51-4)		0,1 ppm	
	TWA	0,4 mg/m3	
		0,1 ppm	
METHACRYLIC ACID (CAS	STEL	360 mg/m3	
79-41-4)	OTEL	300 mg/m3	
		100 ppm	
	TWA	180 mg/m3	
		50 ppm	
Methyl Methacrylate (CAS	STEL	420 mg/m3	
30-62-6)		100	
	T) 0 / 0	100 ppm	
	TWA	210 mg/m3	
	T 14/4	50 ppm	Desci 11 (
Paraffin Wax (CAS 8002-74-2)	TWA	2 mg/m3	Respirable fume.
UK. EH40 Workplace Exposure Lim	its (WELs)		
Components	Туре	Value	Form
METHACRYLIC ACID (CAS	STEL	143 mg/m3	
79-41-4)			
		40 ppm	
	TWA	72 mg/m3	
		20 ppm	
Methyl Methacrylate (CAS	STEL	416 mg/m3	
80-62-6)		100 ppm	
	TWA		
	TWA	208 mg/m3	
Deroffin May (CAS	OTF!	50 ppm	Fumo
Paraffin Wax (CAS 8002-74-2)	STEL	6 mg/m3	Fume.

UK. EH40 Workplace Expose Components	sure Limits (WELs) Type	Value	Form
	TWA	2 mg/m3	Fume.
EU. Indicative Exposure Lin Components	nit Values in Directives 91/322/EEC Type	c, 2000/39/EC, 2006/15/EC, 2009 Value	/161/EU, 2017/164/EU
Methyl Methacrylate (CAS 80-62-6)	STEL	100 ppm	
	TWA	50 ppm	
Biological limit values	No biological exposure limits noted	d for the ingredient(s).	
Recommended monitoring procedures	Follow standard monitoring procec	lures.	
Derived no effect levels (DNELs)	Not available.		
Predicted no effect concentrations (PNECs)	Not available.		
Exposure guidelines			
Slovenia. OELs. Regulatior (Official Gazette of the Rep	ns concerning protection of worker ublic of Slovenia)	s against risks due to exposure	to chemicals while working
METHACRYLIC ACID (CAS 79-41-4) Ca	n be absorbed through the skin.	
3.2. Exposure controls			
Appropriate engineering controls	Explosion-proof general and local Ventilation rates should be matcher exhaust ventilation, or other engine exposure limits. If exposure limits l acceptable level. Eye wash facilitie product.	ed to conditions. If applicable, use eering controls to maintain airborn nave not been established, mainta	process enclosures, local le levels below recommended ain airborne levels to an
ndividual protection measures	, such as personal protective equip	oment	
General information	Use personal protective equipmen according to the CEN standards an equipment.		
Eye/face protection	Chemical respirator with organic va	apor cartridge and full facepiece.	
Skin protection			
- Hand protection	Wear appropriate chemical resista	nt gloves.	
- Other	Wear appropriate chemical resista	nt clothing.	
Respiratory protection	Chemical respirator with organic va	apor cartridge and full facepiece.	
Thermal hazards	Wear appropriate thermal protective	ve clothing, when necessary.	
Hygiene measures	When using do not smoke. Always after handling the material and bef clothing and protective equipment be allowed out of the workplace.	ore eating, drinking, and/or smoki	ng. Routinely wash work
Environmental exposure controls	Inform appropriate managerial or s from ventilation or work process ec requirements of environmental pro modifications to the process equip levels.	quipment should be checked to er tection legislation. Fume scrubbe	nsure they comply with the rs, filters or engineering

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	
Physical state	Liquid.
Form	Liquid.
Color	Not available.
Odor	Not available.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	-54,4 °F (-48 °C) estimated
Initial boiling point and boiling range	212,9 °F (100,5 °C) estimated

Flash point	50,0 °F (10,0 °C) estimated	
Evaporation rate	Not available.	
Flammability (solid, gas)	Not applicable.	
Upper/lower flammability or exp	plosive limits	
Flammability limit - lower (%)	2,1 % estimated	
Flammability limit - upper (%)	12,5 % estimated	
Vapor pressure	37,7 hPa estimated	
/apor density	Not available.	
Relative density	Not available.	
Solubility(ies) Solubility (water)	Not available.	
Partition coefficient (n-octanol/water)	Not available.	
Auto-ignition temperature	154 °F (67,78 °C) estimated	
Decomposition temperature	Not available.	
Viscosity	Not available.	
Explosive properties	Not explosive.	
Oxidizing properties	Not oxidizing.	
9.2. Other information	0.00 g/cm ² ostimatod	
Density	0,99 g/cm3 estimated 0,99 estimated	
Specific gravity		
SECTION 10: Stability and	d reactivity	
10.1. Reactivity		tive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.	
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.	
10.4. Conditions to avoid		nd other ignition sources. Avoid temperatures exceeding the temperatures exceeding the flash point. Contact with
10.5. Incompatible materials	Strong oxidizing agents. Nitrates.	Peroxides.
10.6. Hazardous decomposition products	No hazardous decomposition products are known.	
SECTION 11: Toxicologic	al information	
General information	Occupational exposure to the subs	tance or mixture may cause adverse effects.
Information on likely routes of e	exposure	
Inhalation	Harmful if inhaled.	
Skin contact	Causes severe skin burns. May ca	use an allergic skin reaction.
Eye contact	Causes serious eye damage.	
Ingestion	Causes digestive tract burns.	
Symptoms		skin damage. Causes serious eye damage. Symptoms may swelling, and blurred vision. Permanent eye damage including
11.1. Information on toxicologic	al effects	
Acute toxicity	Harmful if inhaled.	
Components	Species	Test Results
DODECYL METHACRYLATE (CA		
Acute		
Oral		
LD50	Rat	> 5 g/kg

Components	Species	Test Results
MALEIC ACID (CAS 110-16-7)		
<u>Acute</u>		
Dermal		
LD50	Rabbit	1560 mg/kg
METHACRYLIC ACID (CAS 79-47	I-4)	
<u>Acute</u>		
Inhalation		
LC50	Rat	7,1 mg/l, 4 Hours
Methyl Methacrylate (CAS 80-62-6	5)	
<u>Acute</u>		
Inhalation		
LC50	Mouse	18,5 mg/l, 2 Hours
Oral		
LD50	Rat	7800 mg/kg
Skin corrosion/irritation	Causes severe skin burns and eye	e damage.
Serious eye damage/eye	Causes serious eye damage.	0
irritation		
Respiratory sensitization	Due to partial or complete lack of	data the classification is not possible.
Skin sensitization	May cause an allergic skin reaction	n.
Germ cell mutagenicity	Due to partial or complete lack of	data the classification is not possible.
Carcinogenicity	Due to partial or complete lack of o	data the classification is not possible.
(as amended) Not listed.	nance on protection against and p Evaluation of Carcinogenicity	preventing risk relating to exposure to carcinogens at work
1,4-benzoquinone (CAS	106-51-4) 31	Not classifiable as to carcinogenicity to humans.
Methyl Methacrylate (CA		Not classifiable as to carcinogenicity to humans.
Reproductive toxicity	Due to partial or complete lack of o	data the classification is not possible.
Specific target organ toxicity - single exposure	Not applicable.	
Specific target organ toxicity - repeated exposure	Due to partial or complete lack of o	data the classification is not possible.
Aspiration hazard	Due to partial or complete lack of o	data the classification is not possible.
Mixture versus substance information	No information available.	
Other information	Not available.	
SECTION 12: Ecological i	nformation	
12.1. Toxicity	Toxic to aquatic life with long lastir not met for hazardous to the aqua	ng effects. Based on available data, the classification criteria are tic environment, acute hazard.
12.2. Persistence and degradability		lability of any ingredients in the mixture.
12.3. Bioaccumulative potential		
Partition coefficient		
n-octanol/water (log Kow)		
1,4-benzoquinone MALEIC ACID),2 0,48
METHACRYLIC ACID),93
Methyl Methacrylate		,38
Bioconcentration factor (BCF)	Not available.	
12.4. Mobility in soil	No data available.	
12.5. Results of PBT and vPvB assessment	This mixture does not meet vPvB / PBT criteria of Regulation (EC) No 1907/2006, Annex XIII.	
12.6. Other adverse effects		ffects (e.g. ozone depletion, photochemical ozone creation bal warming potential) are expected from this component.

SECTION 13: Disposal considerations 13.1. Waste treatment methods **Residual waste** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions). **Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. EU waste code The Waste code should be assigned in discussion between the user, the producer and the waste disposal company. **Disposal methods/information** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. **Special precautions** Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

SECTION 14: Transport in	iormation
ADR	
14.1. UN number	UN2924
14.2. UN proper shipping	FLAMMABLE LIQUID, CORROSIVE, N.O.S.
name	
14.3. Transport hazard class	(es)
Class	3
Subsidiary risk	8
Label(s)	3
	+8
Hazard No. (ADR) Tunnel restriction code	338 D/E
14.4. Packing group	
14.5. Environmental hazards	
14.6. Special precautions	Read safety instructions, SDS and emergency procedures before handling.
for user	
RID	
14.1. UN number	UN2924
14.2. UN proper shipping	FLAMMABLE LIQUID, CORROSIVE, N.O.S., Limited Quantity
name	
14.3. Transport hazard class	
Class	3
Subsidiary risk	8
Label(s)	3+8
14.4. Packing group	
14.5. Environmental hazards	Read safety instructions, SDS and emergency procedures before handling.
14.6. Special precautions for user	Read salety instructions, SDS and emergency procedures before handling.
ADN	
14.1. UN number	UN2924
14.2. UN proper shipping	FLAMMABLE LIQUID, CORROSIVE, N.O.S.
name	
14.3. Transport hazard class	(es)
Class	3
Subsidiary risk	8
Label(s)	3+8
14.4. Packing group	
14.5. Environmental hazards	
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
IATA	
14.1. UN number	UN2924
14.2. UN proper shipping	Flammable liquid, corrosive, n.o.s. (Methyl Methacrylate, METHACRYLIC ACID), Limited Quantity
name	
14.3. Transport hazard class	(es)
Class	3
Subsidiary risk	8
14.4. Packing group	
14.5. Environmental hazards	s No.

ERG Code	3CH
14.6. Special precautions	Read safety instructions, SDS and emergency procedures before handling.
for user	
Other information	Allowed with restrictions.
Passenger and cargo aircraft	Allowed with restrictions.
Cargo aircraft only	Allowed with restrictions.
IMDG	
14.1. UN number	UN2924
14.2. UN proper shipping	FLAMMABLE LIQUID, CORROSIVE, N.O.S. (Methyl Methacrylate, METHACRYLIC ACID),
name 14.3. Transport hazard class	Limited Quantity
Class	3
Subsidiary risk	8
14.4. Packing group	II
14.5. Environmental hazards	
Marine pollutant	No.
EmS	F-E, S-C
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
14.7. Transport in bulk	Not established.
according to Annex II of Marpol	
73/78 and the IBC Code	
ADN; ADR	
	8
ΙΑΤΑ	· ·
Y	
IMDG; RID	
SECTION 15: Regulatory i	nformation

SECTION 15: Regulatory information

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

EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended Not listed. Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended Not listed Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended Not listed. Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended Not listed. Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended Not listed Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA Not listed. Authorizations Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended Not listed. **Restrictions on use** Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended Methyl Methacrylate (CAS 80-62-6) Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended Not listed. **Other EU regulations** Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended 1,4-benzoguinone (CAS 106-51-4) DODECYL METHACRYLATE (CAS 142-90-5) Methyl Methacrylate (CAS 80-62-6) Other regulations The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended. Young people under 18 years old are not allowed to work with this product according to EU National regulations Directive 94/33/EC on the protection of young people at work, as amended. Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended. 15.2. Chemical safety No Chemical Safety Assessment has been carried out. assessment **SECTION 16: Other information** List of abbreviations ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland

	 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany). CAS: Chemical Abstract Service. CEN: European Committee for Standardization. IATA: International Air Transport Association. IBC: Internediate Bulk Container. IMDG: International Maritime Dangerous Goods. MAC: Maximum Allowed Concentration. MARPOL: International Convention for the Prevention of Pollution from Ships. PBT: Persistent, bioaccumulative, toxic. RID: Regulations concerning the International Carriage of Dangerous Goods by Rail. STEL: Short term exposure limit. TLV: Threshold Limit Value. TWA: Time Weighted Average. VLE: Exposure Limit Value. VMC: Furnesma Audument
	VME: Exposure Average Value. vPvB: Very persistent and very bioaccumulative.
References	Not available.
Information on evaluation method leading to the classification of mixture	The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.
Full text of any H-statements not written out in full under Sections 2 to 15	H225 Highly flammable liquid and vapor. H301 Toxic if swallowed.

	 H302 Harmful if swallowed. H312 Harmful in contact with skin. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation. H331 Toxic if inhaled. H332 Harmful if inhaled. H335 May cause respiratory irritation.
	H400 Very toxic to aquatic life. H410 Very toxic to aquatic life with long lasting effects. H411 Toxic to aquatic life with long lasting effects.
Revision information	None.
Training information	Follow training instructions when handling this material.
Disclaimer	ITW Performance Polymers cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.

SAFETY DATA SHEET

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

1.1. Product identifier		
Trade name or designation of the mixture	PLEXUS® MA8105 Activator	
Registration number	-	
Synonyms	None.	
Issue date	11-25-2021	
Version number	01	
1.2. Relevant identified uses of t	he substance or mixture and us	ses advised against
Identified uses	Not available.	
Uses advised against	None known.	
1.3. Details of the supplier of the	safety data sheet	
Supplier		
Company name	ITW Performance Polymers	
Address	30 Endicott Street	
	Danvers, MA 01923	
	US	
Division		
Telephone	Customer Service	978-777-1100
e-mail	Not available.	
Contact person	Not available.	
1.4. Emergency telephone number	Chemtrec	800-424-9300
	International	703-527-3887

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

Physical hazards

Flammable liquids	Category 2	H225 - Highly flammable liquid and vapor.
Health hazards		
Acute toxicity, inhalation	Category 4	H332 - Harmful if inhaled.
Skin corrosion/irritation	Category 2	H315 - Causes skin irritation.
Skin sensitization	Category 1	H317 - May cause an allergic skin reaction.
Specific target organ toxicity - single exposure	Category 3 respiratory tract irritation	H335 - May cause respiratory irritation.

Hazard summary

May be ignited by heat, sparks or flames. Harmful if inhaled. Causes skin irritation. May cause irritation to the respiratory system. May cause an allergic skin reaction. Occupational exposure to the substance or mixture may cause adverse health effects.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

Contains:

Methyl Methacrylate

Hazard pictograms



Signal word Hazard statements H225

Highly flammable liquid and vapor.

H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H332	Harmful if inhaled.	
H335	May cause respiratory irritation.	
Precautionary statements		
Prevention		
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.	No smokina.
P233	Keep container tightly closed.	gi
P240	Ground and bond container and receiving equipment.	
P241	Use explosion-proof electrical/ventilating/lighting equipment.	
P242	Use non-sparking tools.	
P243	Take action to prevent static discharges.	
P261	Avoid breathing mist/vapors.	
P264	Wash thoroughly after handling.	
P271	Use only outdoors or in a well-ventilated area.	
P272	Contaminated work clothing should not be allowed out of the workplace.	
P280	Wear protective gloves/protective clothing/eye protection/face protection.	
Response		
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with	ı water.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.	
P312	Call a POISON CENTER/doctor if you feel unwell.	
P333 + P313	If skin irritation or rash occurs: Get medical advice/attention.	
P362 + P364	Take off contaminated clothing and wash it before reuse.	
P370 + P378	In case of fire: Use appropriate media to extinguish.	
Storage		
-	Keep cool.	
P235	Store in a well-ventilated place. Keep container tightly closed.	
P403 + P233 P405	Store locked up.	
Disposal		
P501	Dispose of contents/container in accordance with local/regional/national/internationa	l regulations.
Supplemental label information	12,63% of the mixture consists of component(s) of unknown acute oral toxicity. 85,56 mixture consists of component(s) of unknown acute dermal toxicity. 85,58% of the m consists of component(s) of unknown acute hazards to the aquatic environment. 85, mixture consists of component(s) of unknown long-term hazards to the aquatic environment.	ixture 58% of the
2.3. Other hazards	This mixture does not meet vPvB / PBT criteria of Regulation (EC) No 1907/2006, Au	
SECTION 3: Composition	/information on ingredients	
3.2. Mixtures		
General information		
		Natas
Chemical name	% CAS-No. / EC No. REACH Registration No. Index No.	Notes
Methyl Methacrylate	70 - < 80 80-62-6 - 607-035-00-6 201-297-1	#
	m. Liq. 2;H225, Skin Irrit. 2;H315, Skin Sens. 1;H317, Acute Tox. 4;H332, STOT SE I335	D
Other components below repo	ortable 20 - < 30	
List of abbreviations and symbo #: This substance has been as M: M-factor	ols that may be used above ssigned Union workplace exposure limit(s).	
PBT: persistent, bioaccumulat vPvB: very persistent and very		
Composition comments	The full text for all H-statements is displayed in section 16.	
SECTION 4: First aid mea	sures	
General information		
General information	Take off all contaminated clothing immediately. If you feel unwell, seek medical adviduately label where possible). Ensure that medical personnel are aware of the material(s) investicate precautions to protect themselves. Wash contaminated clothing before reuse.	
4.1. Description of first aid meas	sures	
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. C artificial respiration if needed. Call a poison center or doctor/physician if you feel unv	
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water. In c eczema or other skin disorders: Seek medical attention and take along these instruc contaminated clothing before reuse.	ase of

Eye contact

Ingestion

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

4.3. Indication of any immediate medical attention and special treatment needed Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.

Rinse mouth. Get medical attention if symptoms occur.

Direct contact with eyes may cause temporary irritation. May cause respiratory irritation. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Firefighting measures		
General fire hazards	Highly flammable liquid and vapor.	
5.1. Extinguishing media Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).	
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.	
5.2. Special hazards arising from the substance or mixture	Vapors may form explosive mixtures with air. Vapors may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.	
5.3. Advice for firefighters		
Special protective equipment for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.	
Special fire fighting procedures	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.	
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.	

SECTION 6: Accidental release measures

6.1. Personal precautions, protect	ctive equipment and emergency procedures
For non-emergency personnel	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapors. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
For emergency responders	Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Use personal protection recommended in Section 8 of the SDS.
6.2. Environmental precautions	Avoid discharge into drains, water courses or onto the ground.
5.3. Methods and material for containment and cleaning up containment and cleaning up containment and cleaning up containment and cleaning up constainment and cleaning up co	
	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.
	Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
	Never return spills to original containers for re-use.
6.4. Reference to other sections	For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.
SECTION 7: Handling and	storage
7.1. Precautions for safe handling	Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid breathing mist/vapors. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
7.2. Conditions for safe storage, including any incompatibilities	Store locked up. Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).
7.3. Specific end use(s)	Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Austria. MAK List, OEL Ordinance (Gv Components	туре Туре	Value	
Methyl Methacrylate (CAS 30-62-6)	Ceiling	420 mg/m3	
,		100 ppm	
	MAK	210 mg/m3	
		50 ppm	
Belgium. Exposure Limit Values Components	Туре	Value	Form
Methyl Methacrylate (CAS	STEL	416 mg/m3	
80-62-6)		100 ppm	
	TWA	208 mg/m3	
		50 ppm	
Paraffin Wax (CAS 8002-74-2)	TWA	2 mg/m3	Fume.
Bulgaria. OELs. Regulation No 13 on Components	protection of workers against ı Type	risks of exposure to che Value	mical agents at work
Methyl Methacrylate (CAS 80-62-6)	STEL	100 ppm	
	TWA	50 ppm	
POLY(METHYL METHACRYLATE) (CAS 9011-14-7)	TWA	20 mg/m3	
Croatia. Dangerous Substance Expos Components	ure Limit Values in the Workpl Type	ace (ELVs), Annexes 1 a Value	nd 2, Narodne Novine, 13/ Form
Methyl Methacrylate (CAS 80-62-6)	MAC	50 ppm	
	STEL	100 ppm	
Paraffin Wax (CAS 8002-74-2)	MAC	2 mg/m3	Fume.
	STEL	6 mg/m3	Fume.
Czech Republic. OELs. Government I	Decree 361		
Components	Туре	Value	
Methyl Methacrylate (CAS 80-62-6)	Ceiling	150 mg/m3	
, ,	TWA	50 mg/m3	
Denmark. Exposure Limit Values Components	Туре	Value	Form
-			
Methyl Methacrylate (CAS 80-62-6)	TLV	102 mg/m3	
		25 ppm	
Deroffin Mov (CAS			Fumo
Paraffin Wax (CAS 8002-74-2)	TLV	2 mg/m3	Fume.
8002-74-2) Estonia. OELs. Occupational Exposu		2 mg/m3	
		2 mg/m3	

Componente	1,960	Value		
Methyl Methacrylate (CAS 80-62-6)	STEL	100 ppm		
	TWA	50 ppm		
Paraffin Wax (CAS 8002-74-2)	TWA	2 mg/m3	Vapor.	

Components	sure Limits Type	Value	Form
Methyl Methacrylate (CAS	STEL	210 mg/m3	
80-62-6)	STEL	210 mg/m3	
		50 ppm	
	TWA	42 mg/m3	
		10 ppm	
Paraffin Wax (CAS 8002-74-2)	TWA	1 mg/m3	Fume.
France. Threshold Limit \ Components	/alues (VLEP) for Occupational Exposur Type	e to Chemicals in France, II Value	NRS ED 984 Form
Methyl Methacrylate (CAS 80-62-6)	VLE	410 mg/m3	
Regulatory status:	Regulatory binding (VRC)		
		100 ppm	
Regulatory status:	Regulatory binding (VRC)		
Do avulato mu atatuau		205 mg/m3	
Regulatory status:	Regulatory binding (VRC)	50 ppm	
Regulatory status:	Regulatory binding (VRC)	50 ppm	
Paraffin Wax (CAS 8002-74-2)	VME	2 mg/m3	Fume.
Regulatory status:	Indicative limit (VL)		
Germany. DFG MAK List in the Work Area (DFG)	(advisory OELs). Commission for the Inv	vestigation of Health Hazard	Is of Chemical Compounds
Components	Туре	Value	
Methyl Methacrylate (CAS	TWA	210 mg/m3	
80-62-6)		50 ppm	
Germany TRGS 900 Lim	it Values in the Ambient Air at the Work		
Components	Type	Value	
Methyl Methacrylate (CAS 80-62-6)	AGW	210 mg/m3	
,		50 ppm	
Greece. OELs (Decree No	o. 90/1999, as amended)		
Components	Туре	Value	Form
Methyl Methacrylate (CAS 30-62-6)	STEL	100 ppm	
	TWA	50 ppm	
	TWA STEL	50 ppm 6 mg/m3	Fume.
			Fume. Fume.
8002-74-2) Hungary. OELs. Joint Dec	STEL	6 mg/m3	
8002-74-2) Hungary. OELs. Joint Dec Components	STEL TWA cree on Chemical Safety of Workplaces Type	6 mg/m3 2 mg/m3 Value	
8002-74-2) Hungary. OELs. Joint Dec Components Methyl Methacrylate (CAS	STEL TWA cree on Chemical Safety of Workplaces	6 mg/m3 2 mg/m3 Value 415 mg/m3	
8002-74-2) Hungary. OELs. Joint Dec Components Methyl Methacrylate (CAS	STEL TWA cree on Chemical Safety of Workplaces Type	6 mg/m3 2 mg/m3 Value	
8002-74-2) Hungary. OELs. Joint Dec Components Methyl Methacrylate (CAS 80-62-6) Iceland. OELs. Regulation	STEL TWA cree on Chemical Safety of Workplaces Type STEL	6 mg/m3 2 mg/m3 Value 415 mg/m3 208 mg/m3	
8002-74-2) Hungary. OELs. Joint Dec Components Methyl Methacrylate (CAS 80-62-6) Iceland. OELs. Regulation Components	STEL TWA cree on Chemical Safety of Workplaces Type STEL TWA n 154/1999 on occupational exposure lin Type	6 mg/m3 2 mg/m3 Value 415 mg/m3 208 mg/m3 hits Value	Fume.
Components Methyl Methacrylate (CAS 80-62-6)	STEL TWA cree on Chemical Safety of Workplaces Type STEL TWA n 154/1999 on occupational exposure lin Type STEL	6 mg/m3 2 mg/m3 Value 415 mg/m3 208 mg/m3 hits Value 100 ppm	Fume.
8002-74-2) Hungary. OELs. Joint Dec Components Methyl Methacrylate (CAS 80-62-6) Iceland. OELs. Regulation Components Methyl Methacrylate (CAS	STEL TWA cree on Chemical Safety of Workplaces Type STEL TWA n 154/1999 on occupational exposure lin Type	6 mg/m3 2 mg/m3 Value 415 mg/m3 208 mg/m3 hits Value	Fume.

Ireland. Occupational Exposure Limits

Components	Туре	Value	Form
Methyl Methacrylate (CAS 80-62-6)	STEL	100 ppm	
	TWA	50 ppm	
Paraffin Wax (CAS 8002-74-2)	STEL	6 mg/m3	Fume.
	TWA	2 mg/m3	Fume.
Italy. Occupational Exposure Limits	6		
Components	Туре	Value	Form
Methyl Methacrylate (CAS 80-62-6)	STEL	100 ppm	
	TWA	50 ppm	
Paraffin Wax (CAS 8002-74-2)	TWA	2 mg/m3	Fume.
Latvia. OELs. Occupational exposu Components	re limit values of chemical s Type	ubstances in work environme Value	ent
Methyl Methacrylate (CAS 80-62-6)	TWA	10 mg/m3	
Lithuania. OELs. Limit Values for C			
Components	Туре	Value	
Methyl Methacrylate (CAS 80-62-6)	STEL	416 mg/m3	
		100 ppm	
	TWA	208 mg/m3	
		50 ppm	
Luxembourg. Binding Occupationa		ex I), Memorial A	
Components	Туре	Value	
Methyl Methacrylate (CAS 80-62-6)	STEL	100 ppm	
	T\A/A	50 ppm	
	TWA		
		Occupational Health and Safe	ty Authority Act (CAP. 424),
Schedules I and V)		Occupational Health and Safe Value	ty Authority Act (CAP. 424),
Schedules I and V) Components Methyl Methacrylate (CAS	re Limit Values (L.N. 227. of	-	ty Authority Act (CAP. 424)
Schedules I and V) Components Methyl Methacrylate (CAS	re Limit Values (L.N. 227. of Type	Value	ty Authority Act (CAP. 424),
Schedules I and V) Components Methyl Methacrylate (CAS 80-62-6)	re Limit Values (L.N. 227. of Type STEL	Value	ty Authority Act (CAP. 424),
Schedules I and V) Components Methyl Methacrylate (CAS 80-62-6) Netherlands. OELs (binding)	re Limit Values (L.N. 227. of Type STEL	Value	ty Authority Act (CAP. 424),
Schedules I and V) Components Methyl Methacrylate (CAS 80-62-6) Netherlands. OELs (binding) Components Methyl Methacrylate (CAS	re Limit Values (L.N. 227. of Type STEL TWA	Value 100 ppm 50 ppm	ty Authority Act (CAP. 424),
Schedules I and V) Components Methyl Methacrylate (CAS 80-62-6) Netherlands. OELs (binding) Components Methyl Methacrylate (CAS	re Limit Values (L.N. 227. of Type STEL TWA Type	Value 100 ppm 50 ppm Value	ty Authority Act (CAP. 424),
Schedules I and V) Components Methyl Methacrylate (CAS 80-62-6) Netherlands. OELs (binding) Components Methyl Methacrylate (CAS 80-62-6)	re Limit Values (L.N. 227. of Type STEL TWA Type STEL STEL TWA	Value 100 ppm 50 ppm Value 410 mg/m3 205 mg/m3	ty Authority Act (CAP. 424),
Schedules I and V) Components Methyl Methacrylate (CAS 80-62-6) Netherlands. OELs (binding) Components Methyl Methacrylate (CAS 80-62-6) Norway. Administrative Norms for (re Limit Values (L.N. 227. of Type STEL TWA Type STEL STEL TWA	Value 100 ppm 50 ppm Value 410 mg/m3 205 mg/m3	ty Authority Act (CAP. 424),
Schedules I and V) Components Methyl Methacrylate (CAS 80-62-6) Netherlands. OELs (binding) Components Methyl Methacrylate (CAS 80-62-6) Norway. Administrative Norms for (Components Methyl Methacrylate (CAS	re Limit Values (L.N. 227. of Type STEL TWA Type STEL TWA TWA Contaminants in the Workpla	Value 100 ppm 50 ppm Value 410 mg/m3 205 mg/m3 ace	
Schedules I and V) Components Methyl Methacrylate (CAS 80-62-6) Netherlands. OELs (binding) Components Methyl Methacrylate (CAS 80-62-6) Norway. Administrative Norms for (Components Methyl Methacrylate (CAS	re Limit Values (L.N. 227. of Type STEL TWA Type STEL TWA Contaminants in the Workpla Type	Value 100 ppm 50 ppm Value 410 mg/m3 205 mg/m3 ace Value	
Schedules I and V) Components Methyl Methacrylate (CAS 80-62-6) Netherlands. OELs (binding) Components Methyl Methacrylate (CAS 80-62-6) Norway. Administrative Norms for (Components Methyl Methacrylate (CAS	re Limit Values (L.N. 227. of Type STEL TWA Type STEL TWA Contaminants in the Workpla Type	Value 100 ppm 50 ppm Value 410 mg/m3 205 mg/m3 ace Value 400 mg/m3	
Schedules I and V) Components Methyl Methacrylate (CAS 80-62-6) Netherlands. OELs (binding) Components Methyl Methacrylate (CAS 80-62-6) Norway. Administrative Norms for (Components Methyl Methacrylate (CAS	re Limit Values (L.N. 227. of Type STEL TWA Type STEL TWA Contaminants in the Workpla Type STEL STEL	Value 100 ppm 50 ppm Value 410 mg/m3 205 mg/m3 ace Value 100 ppm	
Malta. OELs. Occupational Exposur Schedules I and V) Components Methyl Methacrylate (CAS 80-62-6) Netherlands. OELs (binding) Components Methyl Methacrylate (CAS 80-62-6) Norway. Administrative Norms for O Components Methyl Methacrylate (CAS 80-62-6) Paraffin Wax (CAS	re Limit Values (L.N. 227. of Type STEL TWA Type STEL TWA Contaminants in the Workpla Type STEL STEL	Value 100 ppm 50 ppm Value 410 mg/m3 205 mg/m3 ace Value 400 mg/m3 100 ppm 100 ppm 100 ppm 100 ppm 100 mg/m3	

Components	Туре	Value	Form
Methyl Methacrylate (CAS 80-62-6)	STEL	300 mg/m3	
	TWA	100 mg/m3	
Paraffin Wax (CAS 3002-74-2)	TWA	2 mg/m3	Inhalable fraction
Portugal. VLEs. Norm on occupat	ional exposure to chemical ag	gents (NP 1796)	
Components	Туре	Value	Form
Methyl Methacrylate (CAS 80-62-6)	STEL	100 ppm	
	TWA	50 ppm	
Paraffin Wax (CAS 3002-74-2)	TWA	2 mg/m3	Fume.
Romania. OELs. Protection of wo	rkers from exposure to chemi	cal agents at the workplace	
Components	Туре	Value	Form
Methyl Methacrylate (CAS 80-62-6)	STEL	410 mg/m3	
		100 ppm	
	TWA	205 mg/m3	
		50 ppm	
Paraffin Wax (CAS	STEL	6 mg/m3	Fume.

Slovakia. OELs. Regulation No. 300/2007 concerning protection of health in work with chemical agents

TWA

Components	Туре	Value	Form	
Methyl Methacrylate (CAS 80-62-6)	STEL	100 ppm		
	TWA	50 ppm		
Paraffin Wax (CAS 8002-74-2)	STEL	6 mg/m3	Fume.	
	TWA	2 mg/m3	Fume.	

2 mg/m3

Fume.

Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)

Components	Туре	Value	
Methyl Methacrylate (CAS 80-62-6)	TWA	210 mg/m3	
		50 ppm	
Spain. Occupational Exposure Lin	nits		
Components	Туре	Value	Form
Methyl Methacrylate (CAS 80-62-6)	STEL	100 ppm	
	TWA	50 ppm	
Paraffin Wax (CAS 8002-74-2)	TWA	2 mg/m3	Fume.
Sweden. OELs. Work Environmen	t Authority (AV), Occupationa	I Exposure Limit Values (AF	S 2015:7)
Components	Туре	Value	-

Туре	value
Ceiling	400 mg/m3
	100 ppm
TWA	200 mg/m3
	50 ppm

Switzerland. SUVA Grenzw Components	erte am Arbeitsplatz Type	Value	Form
Methyl Methacrylate (CAS 80-62-6)	STEL	420 mg/m3	
,		100 ppm	
	TWA	210 mg/m3	
		50 ppm	
Paraffin Wax (CAS 8002-74-2)	TWA	2 mg/m3	Respirable fume.
UK. EH40 Workplace Expose Components	sure Limits (WELs) Type	Value	Form
Methyl Methacrylate (CAS 80-62-6)	STEL	416 mg/m3	
		100 ppm	
	TWA	208 mg/m3	
		50 ppm	
Paraffin Wax (CAS 8002-74-2)	STEL	6 mg/m3	Fume.
	TWA	2 mg/m3	Fume.
EU. Indicative Exposure Li Components	nit Values in Directives 91/322/EEC, Type	2000/39/EC, 2006/15/EC, 2009 Value	/161/EU, 2017/164/EU
Methyl Methacrylate (CAS 80-62-6)	STEL	100 ppm	
	TWA	50 ppm	
ological limit values	No biological exposure limits noted for	or the ingredient(s).	
ecommended monitoring ocedures	Follow standard monitoring procedur	es.	
erived no effect levels DNELs)	Not available.		
redicted no effect oncentrations (PNECs)	Not available.		
2. Exposure controls			
ppropriate engineering ontrols	Explosion-proof general and local ex Ventilation rates should be matched exhaust ventilation, or other enginee exposure limits. If exposure limits ha acceptable level. Provide eyewash s	to conditions. If applicable, use ring controls to maintain airborn ve not been established, mainta	process enclosures, local ne levels below recommended
dividual protection measures	, such as personal protective equipm		
General information	Use personal protective equipment a according to the CEN standards and equipment.		
Eye/face protection	Chemical respirator with organic vap	or cartridge and full facepiece.	
Skin protection			
- Hand protection	Wear appropriate chemical resistant	gloves.	
- Other	Wear appropriate chemical resistant	clothing.	
Respiratory protection	Chemical respirator with organic vap	or cartridge and full facepiece.	
Thermal hazards	Wear appropriate thermal protective	clothing, when necessary.	
ygiene measures	When using do not smoke. Always o after handling the material and befor clothing and protective equipment to be allowed out of the workplace.	e eating, drinking, and/or smoki	ng. Routinely wash work
nvironmental exposure ontrols	Emissions from ventilation or work pr with the requirements of environmen engineering modifications to the proc acceptable levels.	tal protection legislation. Fume	scrubbers, filters or

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	
Physical state	Liquid.
Form	Liquid.
Color	Not available.
Odor	Not available.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	-54,4 °F (-48 °C) estimated
Initial boiling point and boiling range	212,9 °F (100,5 °C) estimated
Flash point	50,0 °F (10,0 °C) estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	2,1 % estimated
Flammability limit - upper (%)	12,5 % estimated
Vapor pressure	51,33 hPa estimated
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
9.2. Other information	
Density	0,96 g/cm3
Specific gravity	0,96
SECTION 10: Stability and	d reactivity
10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the decomposition temperature. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
10.5. Incompatible materials	Strong oxidizing agents. Nitrates. Peroxides.
10.6. Hazardous decomposition products	No hazardous decomposition products are known.
SECTION 11: Toxicologic	al information
General information	Occupational exposure to the substance or mixture may cause adverse effects.
Information on likely routes of e Inhalation	exposure Harmful if inhaled.
Skin contact	Causes skin irritation. May cause an allergic skin reaction.

	· · · · · · · · · · · · · · · · · · ·
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.
Symptoms	May cause respiratory irritation. Skin irritation. May cause redness and pain. May cause an allergic skin reaction. Dermatitis. Rash.

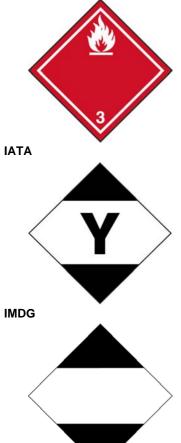
11.1. Information on toxicological effects

Access tools of the second sec	Acute toxicity	Harmful if inhaled.		
Methyl Methacrylate (CAS 80-62-6) Acute Inhalation LCS0 Mouse 18,5 mg/l, 2 Hours Oral LDS0 Rat 7800 mg/kg Skin corrosion/Irritation Causes skin irritation. Service systematication Bescription of the corrate with eyes may cause temporary irritation. Repiratory sensitization Due to partial or complete lack of data the classification is not possible. Service systematication is not possible. Carrinogenicity Due to partial or complete lack of data the classification is not possible. Carcinogenicity Not listed Oue to partial or complete lack of data the classification is not possible. Remote the classification is not possible. Reproductive toxicity Due to partial or complete lack of data the classification is not possible. Remote the classification is not possible. Reproductive toxicity Due to partial or complete lack of data the classification is not possible. Reproductive toxicity Specific target organ toxicity - May cause respiratory irritation. Single exposure Specific target organ toxicity - May cause respiratory irritation. Specific target organ toxicity - Specific target organ toxicity - May cause respiratory irritation. No information available. Strone adverse substance information Not available. No information. <t< th=""><th>-</th><th></th><th>Test Results</th></t<>	-		Test Results	
Acute Instalation LCGO Mouse 18.5 mg/l, 2 Hours Oral LCGO Rei 7800 mg/kg Skin corrosion/fritation Causes skin initiation. Serious sye damage/generation Direct contact with eyes may cause temporary initiation. Initiation Respiratory sensitization Due to partial or complete lack of data the classification is not possible. Skin sensitization Due to partial or complete lack of data the classification is not possible. Carcinogenicity Due to partial or complete lack of data the classification is not possible. Carcinogenicity Due to partial or complete lack of data the classification is not possible. Reproductive toxicity Due to partial or complete lack of data the classification is not possible. Not listed. Not isles Not isles Not listed. Due to partial or complete lack of data the classification is not possible. Specific targe organ toxicity Due to partial or complete lack of data the classification is not possible. Specific targe organ toxicity Due to partial or complete lack of data the classification is not possible. Specific targe organ toxicity Due to partial or complete lack of data the classification is not possible. Specific targe organ toxicity Not data mediasification is not possible.	•	-		
IndiationJose18,5 mg/l, 2 HoursCGS0Rat7800 mg/kgSkin corresion/irritationCauser skin irritation.Respiratory sensitizationUse to partial or complete lack of data the classification is not possible.Skin corresion/irritationMay cause an allergic skin reaction.Germ cell mutagenitityDue to partial or complete lack of data the classification is not possible.CarrinogenicityDue to partial or complete lack of data the classification is not possible.Germ cell mutagenitityDue to partial or complete lack of data the classification is not possible.Not listed.May cause an allergic skin reaction.Resportatory concepts.To all classification is not possible.Not listed.Due to partial or complete lack of data the classification is not possible.Specific target organ toxicityMay cause respiratory irritation.Specific target organ toxicityDue to partial or complete lack of data the classification is not possible.Specific target organ toxicityLeu to partial or complete lack of data the classification is not possible.Specific target organ toxicityNot isatalSpecific target organ toxicityDue to partial or complete lack of data the classification is not possible.Specific target organ toxicityNot available.Specific target organ toxicityNot data valiable. <t< th=""><th></th><th></th><th></th></t<>				
Oral LD00 Rat 7800 mg/kg Skin corrosion/initiation Causes skin initiation, 7800 mg/kg Serious sye damage/eye irritation Direct contact with eyes may cause temporary irritation. 1 Skin corrosion/initiation Due to partial or complete lack of data the classification is not possible. 5 Skin sensitization May cause an allergic skin reaction. 6 Carcinogenicity Due to partial or complete lack of data the classification is not possible. 6 Carcinogenicity Due to partial or complete lack of data the classification is not possible. 7 Marcy Sci2000 EUM Ordinance on protection against and preventing risk relating to exposure to carcinogenicity to humans. Regrotucity textorixity Not listed. JARC Monographs. Overall Evaluation of Carcinogenicity May cause respiratory irritation. Specific target organ toxicity - ingle exposure May cause respiratory irritation. Sinformation Specific target organ toxicity - information No information available. Mixture versus substance Mixture versus substance No information available. No data is available data, the classification criteria are not met for hazardous to the aquatic environment. 12.1. Toxicity Based on avavailable. No				
LD50Rat7800 mg/kgSkin corrosion/irritationCauses skin irritation.Serious eye damage/eye irritationDirect contact with eyes may cause temporary irritation.Respiratory sensitizationDue to partial or complete lack of data the classification is not possible.Skin sensitizationDue to partial or complete lack of data the classification is not possible.CarcinogonicityDue to partial or complete lack of data the classification is not possible.Hungary. 26/2000 EUM Ordensee on protection against and preventing risk relating to exposure to carcinogenicity to humans.Not itsed.Not classifiable as to carcinogenicity to humans.Not itsed.Not classification is not possible.Specific target organ toxicity- repeated exposureDue to partial or complete lack of data the classification is not possible.Specific target organ toxicity- repeated exposureDue to partial or complete lack of data the classification is not possible.Specific target organ toxicity- repeated exposureDue to partial or complete lack of data the classification is not possible.Specific target organ toxicity- repeated exposureDue to partial or complete lack of data the classification is not possible.Specific target organ toxicity- repeated exposureNo tavailable.Sturue versus substance informationNo tavailable.Specific target organ toxicity- repeated exposureNo tavailable data, the classification riteria are not met for hazardows to the aquatic antivement.12.1. toxicityBased on available.1.38Specific target organ toxicityNo data svailable. <tr< th=""><th>LC50</th><th>Mouse</th><th>18,5 mg/l, 2 Hours</th></tr<>	LC50	Mouse	18,5 mg/l, 2 Hours	
Skin corresion/irritation Causes skin irritation. Serious sye damage/sye Direct contact with eyes may cause temporary irritation. irritation May cause an allergic skin reaction. Skin somsitization May cause an allergic skin reaction. Germ cell mutagenicity Due to partial or complete lack of data the classification is not possible. Carcinogenicity Due to partial or complete lack of data the classification is not possible. Hungary. 26/200 EUM Ordinance on protection against and preventing risk relating to exposure to carcinogenicity. Not listed. HARC Monographs. Overall Evaluation of Carcinogenicity May cause respiratory irritation. Specific target organ toxicity - skin exposure to carcinogenicity in the classification is not possible. Specific target organ toxicity - single scince. Specific target organ toxicity - septial or complete lack of data the classification is not possible. Specific target organ toxicity - single scince. Specific target organ toxicity - reparted exposure No information available. Stromation available. Starture versus substance information Not available. Stromation available. Starture versus substance information Not data is available data, the classification cinteria are not met for hazardous to the aquatic environment. 12.1. Toxicity Base	Oral			
Serior and serier and serie	LD50	Rat	7800 mg/kg	
Irritation Due to partial or complete lack of data the classification is not possible. Skin sensitization May cause an allergic skin reaction. Germ call mutagonicity Due to partial or complete lack of data the classification is not possible. Carcinogenicity Due to partial or complete lack of data the classification is not possible. Hungary, 28/2000 EdM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended) Not lited. IARC Monographs. Overall Evaluation of Carcinogenicity Methyl Methacrylate (CAS 80-62-6) 3 Not classification is not possible. Specific target organ toxicity Due to partial or complete lack of data the classification is not possible. Specific target organ toxicity - information Due to partial or complete lack of data the classification is not possible. Specific target organ toxicity - information Due to partial or complete lack of data the classification is not possible. No information and adale. No information available. No information available. EECTION 12: Ecological information No data is available on the degradability of any ingredients in the mixture. Based on available data, the classification riteria are not met for hazardous to the equatic environment. 1,38 Bioconcentration factor (BCF) No data available. 1,38 Bioconce	Skin corrosion/irritation	Causes skin irritation.		
Skin sensitization May cause an allergic skin reaction. Germ cell mutagenicity Due to partial or complete lack of data the classification is not possible. Arcentogenicity Due to partial or complete lack of data the classification is not possible. Hungary. 26/2000 EUM Ordinance on protection against and preventing risk relating to exposure to carcinogenicity Methyl Methacrylate (CAS 80-62-0) Not listed. IARC Monographs. Overall Evaluation of Carcinogenicity Methyl Methacrylate (CAS 80-62-0) Specific target organ toxicity- Due to partial or complete lack of data the classification is not possible. Specific target organ toxicity- May cause respiratory irritation. Specific target organ toxicity- Due to partial or complete lack of data the classification is not possible. Specific target organ toxicity- No information available. Mixture versus substance information No information available. Sectorion 12: Ecological information Sectorion 13: available data, the classification criteria are not met for hazardous to the aquatic environment. 12.1. Toxicity Based on available. Partiation coefficient No data valiable. Partiation coefficient No data valiable. Partiation coefficient No data valiable. Partis		Direct contact with eyes may cause temporary irritation.		
Gern cell mutagenicity Due to partial or complete lack of data the classification is not possible. Carcinogenicity Due to partial or complete lack of data the classification is not possible. Hungary, 26/2006 EXM Order Carcinogenicity of data the classification is not possible. Not listed. Not fissed. IARC Monographs. Overall Evaluation of Carcinogenicity Mathematication is not possible. Methyl Methacrylate (CAS 80-62-6) 3 Not classification is not possible. Reproductive toxicity Due to partial or complete lack of data the classification is not possible. Specific target organ toxicity - single exposure Due to partial or complete lack of data the classification is not possible. Specific target organ toxicity - single exposure Due to partial or complete lack of data the classification is not possible. Reproductive substance No information available. No information Other information Not available. Not available. Section 12: Ecological Evolution available data, the classification or the in inture. Not data valiable. 12:1. Toxicity Based on available data. the classification (EC) No 1907/2006, Annex XIII. 12:2. Persistence and complete lack of the evolution or the evolution (EC) No 1907/2006, Annex XIII. Not data valiable. 12:3. Rout	Respiratory sensitization	Due to partial or complete lack of data the classifica	tion is not possible.	
Carcinogenicity Due to partial or complete lack of data the classification is not possible. Hungary. 28/2000 EUM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended). Not listed. Not Reproductive toxicity Due to partial or complete lack of data the classification is not possible. Specific target organ toxicity- single exposure Due to partial or complete lack of data the classification is not possible. Specific target organ toxicity- repeated exposure Due to partial or complete lack of data the classification is not possible. Specific target organ toxicity- repeated exposure Due to partial or complete lack of data the classification is not possible. Specific target organ toxicity- repeated exposure Due to partial or complete lack of data the classification is not possible. Sterriton hazard Due to partial or complete lack of data the classification is not possible. Not information Not available. Sterriton target organ toxicity- formation Based on available data, the classification criteria are not met for hazardous to the aquatic environment. 12.1. Toxicity Based on available data, the classification is not possible. 12.3. Bioaccumulative potential Not data available. 12.4. Mobility in soil Not available. 12.4. Mobility in soil Not available.	Skin sensitization			
Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended) Not listed. IARC Monographs. Overall Evaluation of Carcinogenicity Methyl Methacrylate (CAS 80-62-6) 3 Not classification is not possible. Due to partial or complete lack of data the classification is not possible. Specific target organ toxicity-	u		•	
(as amended) Not listed. Not listed. IARC Monographs. Overall Evaluation of Carcinogenicity Methyl Methacrylate (CAS 80-82-6) 3 Not classifiable as to carcinogenicity to humans. Reproductive toxicity Due to partial or complete lack of data the classification is not possible. Specific target organ toxicity - single exposure May cause respiratory irritation. Specific target organ toxicity - repeated exposure Due to partial or complete lack of data the classification is not possible. Aspiration hazard Due to partial or complete lack of data the classification is not possible. Nitture versus substance information Not available. SECTION 12: Ecological information Not available. 12.1. Toxicity Based on available data, the classification criteria are not met for hazardous to the aquatic environment. 12.2. Persistence and degradability No data is available on the degradability of any ingredients in the mixture. 12.3. Bioaccumulative potential No data available. 12.4. Mobility in soil No data available. 12.5. Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. 52.CTION 13: Disposal considerations This mixture does not meet vPvB / PBT criteria of Regulation (EC) No 1907/2006, Annex XIII. <th></th> <th></th> <th></th>				
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Special precautions Dispose in accordance with all applicable regulations.	Disposal methods/information	Collect and reclaim or dispose in sealed containers		
	Special precautions	Dispose in accordance with all applicable regulation	S	

SECTION 14: Transport information

ADR			
	14.1. UN number	UN1133	
	14.2. UN proper shipping	ADHESIVES containing flammable liquid (vapour pressure at 50 °C more than	
	name	110 kPa)	
	14.3. Transport hazard class	(es)	
	Class	3	
	Subsidiary risk		
	Label(s)	3	
	Hazard No. (ADR)	33	
	Tunnel restriction code	D/E	
	14.4. Packing group	II	
	14.5. Environmental hazards	No.	
	14.6. Special precautions	Read safety instructions, SDS and emergency procedures before handling.	
	for user		
RID			
	14.1. UN number	UN1133	
	14.2. UN proper shipping	ADHESIVES containing flammable liquid (vapour pressure at 50 °C not more than 110 kPa)	
	name		
	14.3. Transport hazard class(es)		
	Class	3	
	Subsidiary risk	-	
	Label(s)	3	
	14.4. Packing group		
	14.5. Environmental hazards		
	14.6. Special precautions	Read safety instructions, SDS and emergency procedures before handling.	
ADI	for user		
ADI			
	14.1. UN number	UN1133	
	14.2. UN proper shipping name	ADHESIVES containing flammable liquid	
	14.3. Transport hazard class(es)		
	Class	3	
	Subsidiary risk	-	
	Label(s)	3	
	14.4. Packing group		
	14.5. Environmental hazards		
	14.6. Special precautions	Read safety instructions, SDS and emergency procedures before handling.	
	for user		
ΙΑΤΑ			
	14.1. UN number	UN1133	
	14.2. UN proper shipping	Adhesives containing flammable liquid, Limited Quantity	
	name		
	14.3. Transport hazard class(es)		
	Class	3	
	Subsidiary risk	-	
	14.4. Packing group		
	14.5. Environmental hazards		
	ERG Code	3L	
	14.6. Special precautions	Read safety instructions, SDS and emergency procedures before handling.	
	for user Other information		
	Passenger and cargo aircraft	Allowed with restrictions.	
	Cargo aircraft only	Allowed with restrictions.	
IMD			
	14.1. UN number	UN1133	
	14.2. UN proper shipping	ADHESIVES containing flammable liquid, Limited Quantity	
	name		
14.3. Transport hazard class(es)			
	Class	3	
	Subsidiary risk	-	
	14.4. Packing group	II	

14.5. Environmental hazardsMarine pollutantNo.EmSF-E, S-D14.6. Special precautions
for userRead safety instructions, SDS and emergency procedures before handling.14.7. Transport in bulk
according to Annex II of Marpol
73/78 and the IBC CodeNot established.ADN; ADR; RIDImage: Comparison of the compa



SECTION 15: Regulatory information

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

EU regulations

- Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended Not listed.
- Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended Not listed.
- Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended Not listed.
- Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended Not listed.
- Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended Not listed.
- Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended Not listed.
- Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended Not listed.
- Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA Not listed.

Authorizations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended Not listed. **Restrictions on use** Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended Methyl Methacrylate (CAS 80-62-6) Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended Not listed. Other EU regulations Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended Methyl Methacrylate (CAS 80-62-6) The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Other regulations Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended. Young people under 18 years old are not allowed to work with this product according to EU National regulations Directive 94/33/EC on the protection of young people at work, as amended. Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended. 15.2. Chemical safety No Chemical Safety Assessment has been carried out. assessment

SECTION 16: Other information

List of abbreviations ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert - Germany). CAS: Chemical Abstract Service. CEN: European Committee for Standardization. IATA: International Air Transport Association. IBC: Intermediate Bulk Container. IMDG: International Maritime Dangerous Goods. MAC: Maximum Allowed Concentration. MARPOL: International Convention for the Prevention of Pollution from Ships. PBT: Persistent, bioaccumulative, toxic. RID: Regulations concerning the International Carriage of Dangerous Goods by Rail. STEL: Short term exposure limit. TLV: Threshold Limit Value. TWA: Time Weighted Average. VLE: Exposure Limit Value. VME: Exposure Average Value. vPvB: Very persistent and very bioaccumulative. References Not available. The classification for health and environmental hazards is derived by a combination of calculation Information on evaluation methods and test data, if available. method leading to the classification of mixture Full text of any H-statements not written out in full under Sections 2 to 15 H225 Highly flammable liquid and vapor. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H332 Harmful if inhaled. H335 May cause respiratory irritation. **Revision information** None. **Training information** Follow training instructions when handling this material. Disclaimer ITW Performance Polymers cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or

in any process, unless specified in the text. The information given is designed only as a guidance

for safe handling, use, processing, storage, transportation, disposal and release.