

**MMA ADHESIVE 6MIN - PART A**

Creation date	29. July 2012	Version	3.0
Revision date	12. April 2018		

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Substance / mixture MMA ADHESIVE 6MIN - PART A  
mixture  
Number WHITE: 1 35167; BLACK: 1 35168

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

mixture's intended use Activator.  
Disapproved uses of mixture For professional use only.

**1.3. Details of the supplier of the safety data sheet****Supplier**

Name or trade name	RETECH, s.r.o.
Address	Vackova 1541/4, Praha 5 - Stodůlky, 155 00 Czech Republic
Identification number (ID)	25018205
Phone	+420327596428
E-mail	info@retech.cz
Web address	www.retech.com

**Competent person responsible for the safety data sheet**

Name	RETECH, s.r.o.
E-mail	info@retech.cz

**1.4. Emergency telephone number**

RETECH, Suchdol 212, 285 02 Suchdol u Kutné Hory, Czech Republic; Telephone number: +420 327 596 128 (7.30-16.00 hour)  
Poisoning information centre, Na Bojišti 1, Praha, Czech Republic, Tel.: non-stop +420 224 919 293 or +420 224 915 402, Information on health risks only - acute poisoning of humans and animals.

**SECTION 2: Hazards identification****2.1. Substance or mixture classification****Classification of the mixture in accordance with Regulation (EC) No 1272/2008**

The mixture is classified as dangerous.

Flam. Liq. 2, H225  
Skin Irrit. 2, H315  
Skin Sens. 1, H317  
STOT SE 3, H335

Full text of all classifications and hazard statements is given in the section 16.

**Most serious adverse physico-chemical effects**

Highly flammable liquid and vapour.

**Most serious adverse effects on human health and the environment**

Causes skin irritation. May cause an allergic skin reaction. May cause respiratory irritation.

**2.2. Label elements****Hazard pictogram****Signal word**

Danger

**Hazardous substances**

methyl methacrylate

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**Hazard statements**

- H225 Highly flammable liquid and vapour.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H335 May cause respiratory irritation.

**Precautionary statements**

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P235 Keep cool.
- P241 Use explosion-proof electrical/ventilating/lighting equipment.
- P280 Wear protective gloves/eye protection/face protection.
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P501 Dispose of contents/container to in accordance with national regulations.

**2.3. Other hazards**

Mixture does not contain any substance meet the criteria for PBT or vPvB in accordance with Annex XIII of Regulation (EC) No. 1907/2006 (REACH) as amended.

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

**Chemical characterization**

Mixture of substances and additives specified below.

**Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment**

Identification numbers	Substance name	Content in % weight	Classification according to Regulation (EC) No 1272/2008	Note.
Index: 607-035-00-6 CAS: 80-62-6 EC: 201-297-1 Registration number: 01-2119452498-28	methyl methacrylate	50-75	Flam. Liq. 2, H225 Skin Irrit. 2, H315 Skin Sens. 1, H317 STOT SE 3, H335	1
CAS: 27138-31-4 EC: 248-258-5 Registration number: 01-2119529241-49	oxydipropyl dibenzoate	≤10	Aquatic Chronic 3, H412	
CAS: 112945-52-5 Registration number: 01-2119379499-16	silica, amorphous, fumed, crystalline free	≤3		
CAS: 34562-31-7 EC: 252-091-3	3,5-diethyl-1,2-dihydro-1-phenyl-2-propylpyridine	≤3	Acute Tox. 4, H302+H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Chronic 4, H413	

**Notes**

1 Substance for which exposure limits of Community for working environment exist.

Full text of all classifications and hazard statements is given in the section 16.

**SECTION 4: First aid measures**

**4.1. Description of first aid measures**

Take care of your own safety. If any health problems are manifested or if in doubt, inform a doctor and show him information from this safety data sheet. In case of inadequate ventilation wear respiratory protection. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Rinse immediately contaminated clothing with plenty of water before removing clothes. Or wear gloves.

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**Inhalation**

Remove person to fresh air and keep comfortable for breathing. In case of inadequate ventilation wear respiratory protection. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Provide medical treatment. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. Symptoms of poisoning may manifest after many hours, medical supervision is necessary for 48 hours after the accident.

**Skin contact**

Remove contaminated clothes. Wash the affected area with plenty of water, lukewarm if possible. Rinse immediately contaminated clothing with plenty of water before removing clothes. Or wear gloves. Provide medical treatment. In the event of any complaints or symptoms, avoid further exposure. Wash contaminated clothing before reuse. Clean shoes thoroughly before reuse.

**Eye contact**

Rinse eyes immediately with a flow of running water, open the eyelids (also using force if needed); remove contact lenses immediately if worn by the affected person. Rinsing should continue at least for 10 minutes. Provide medical treatment, specialized if possible.

**Ingestion**

Rinse out the mouth with clean water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If the person vomits by himself, make sure that the vomit is not inhaled. Provide medical treatment. In the event of unconsciousness, do not provide food by mouth.

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

May cause respiratory irritation. Adverse symptoms may include the following: Possible irritation of airways, cough.

**Skin contact**

Causes skin irritation. May cause an allergic skin reaction. Adverse symptoms may include the following: Possible irritation. Redness.

**Eye contact**

Not expected. Adverse symptoms may include the following: Painful reddening, irritation. Redness. Watering.

**Ingestion**

Not expected.

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

Symptoms of poisoning may manifest after many hours, medical supervision is necessary for 48 hours after the accident.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide, foam, powder. Water spray. Water mist.

**Unsuitable extinguishing media**

Water - full jet.

**5.2. Special hazards arising from the substance or mixture**

Highly flammable liquid and vapour. Explosion risk in case of fire. In the event of fire, carbon monoxide, carbon dioxide and other toxic gases may arise.

**5.3. Advice for firefighters**

Self-Contained Breathing Apparatus (SCBA) with a chemical protection suit only where personal (close) contact is likely. Use a self-contained breathing apparatus and full-body protective clothing. Closed containers with the product near the fire should be cooled with water. No action shall be taken involving any personal risk or without suitable training.

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**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate area. Keep unprotected persons away. Do not touch or walk through spilt material. Remove all ignition sources. Do not inhale aerosols. Do not inhale dust. Provide sufficient ventilation. In case of inadequate ventilation wear respiratory protection. Use personal protective equipment for work.

For emergency responders: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

**6.2. Environmental precautions**

Prevent contamination of the soil and entering surface or ground water. Do not allow to enter drains. In the event of substantial pollution, contact respective authorities.

**6.3. Methods and material for containment and cleaning up**

Prevent other leakage. Move containers from fire area if safe to do. Use non-sparking tools.

Small spill: Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of the collected material according to the instructions in the section 13.

Large spill: Wash spillages into an effluent treatment plant or proceed as follows. Spilled product should be covered with suitable (non-flammable) absorbing material (sand, diatomaceous earth, earth and other suitable absorption materials); to be contained in well closed containers and removed as per the Section 13.

**6.4. Reference to other sections**

See the Section 7, 8 and 13.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling**

Protective measures: Use personal protective equipment as per Section 8. Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes, on skin, or on clothing. Do not ingest. Do not inhale gases and vapours. Use only outdoors or in a well-ventilated area. In case of inadequate ventilation wear respiratory protection.

Protective measures: Keep only in original container. Once the product is used, the package has to be tightly closed so that leakage of the mixture is prevented. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical/ventilating/lighting equipment. Use non-sparking tools. Take precautionary measures against static discharge. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene: Do not eat, drink or smoke when using this product. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest. Remove contaminated clothing and protective equipment before entering eating areas.

**7.2. Conditions for safe storage, including any incompatibilities**

Keep only in original container. Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Use appropriate containment to avoid environmental contamination.

**The specific requirements or rules relating to the substance/mixture**

Store in accordance with local regulations. Store away from other materials. Do not store together with food, drink and animal feed. Store locked up. Keep away from sources of heating, ignition and direct sunlight.

Protect against strong oxidizing agents.

**7.3. Specific end use(s)**

not available

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

The mixture contains substances for which occupational exposure limits are set.

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**European Union**

Substance name (component)	Type	Time of exposure	Value	Note	Source
methyl methacrylate (CAS: 80-62-6)	OEL	8 hours	- mg/m <sup>3</sup>		EU limits
	OEL	8 hours	50 ppm		
	OEL	Short-term	100 ppm		

**United Kingdom of Great Britain and Northern Ireland**

Substance name (component)	Type	Time of exposure	Value	Note	Source
methyl methacrylate (CAS: 80-62-6)	WEL	8 hours	208 mg/m <sup>3</sup>		GBR
	WEL	15 minutes	416 mg/m <sup>3</sup>		
	WEL	8 hours	50 ppm		
	WEL	15 minutes	100 ppm		
silica, amorphous, fumed, crystalline free (CAS: 112945-52-5)	TWA	8 hours	(inhal.dust) 6 mg/m <sup>3</sup>		EH40/2005 (UK)
	TWA	8 hours	(resp.dust) 2,4 mg/m <sup>3</sup>		

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**DNEL**

methyl methacrylate

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Inhalation	208 mg/m <sup>3</sup>	Systemic chronic effects	
Workers	Inhalation	208 mg/m <sup>3</sup>	Local chronic effects	
Workers	Dermal	13.67 mg/kg bw/day	Systemic chronic effects	
Workers	Dermal	1.5 mg/cm <sup>2</sup>	Local chronic effects	
Workers	Dermal	1.5 mg/cm <sup>2</sup>	Local acute effects	
Consumers	Inhalation	74.3 mg/m <sup>3</sup>	Systemic chronic effects	
Consumers	Inhalation	104 mg/m <sup>3</sup>	Local chronic effects	
Consumers	Dermal	8.2 mg/kg bw/day	Systemic chronic effects	
Consumers	Dermal	1.5 mg/cm <sup>2</sup>	Local chronic effects	
Consumers	Dermal	1.5 mg/cm <sup>2</sup>	Local acute effects	

oxydipropyl dibenzoate

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Inhalation	8.8 mg/m <sup>3</sup>	Systemic chronic effects	
Workers	Inhalation	35.08 mg/m <sup>3</sup>	Systemic acute effects	
Workers	Dermal	10 mg/kg bw/day	Systemic chronic effects	
Workers	Dermal	170 mg/kg bw/day	Systemic acute effects	
Consumers	Inhalation	8.69 mg/m <sup>3</sup>	Systemic chronic effects	
Consumers	Inhalation	8.7 mg/m <sup>3</sup>	Systemic acute effects	
Consumers	Dermal	0.22 mg/kg bw/day	Systemic chronic effects	
Consumers	Dermal	80 mg/kg bw/day	Systemic acute effects	
Consumers	Oral	5 mg/kg bw/day	Systemic chronic effects	
Consumers	Oral	80 mg/kg bw/day	Systemic acute effects	

silica, amorphous, fumed, crystalline free

Workers / consumers	Route of exposure	Value	Effect	Determining method
Workers	Inhalation	4 mg/m <sup>3</sup>	Systemic chronic effects	

**PNEC**

methyl methacrylate

Route of exposure	Value	Determining method
Freshwater environment	0.94 mg/l	
Water (occasional leak)	0.94 mg/l	
Seawater	0.94 mg/l	
Microorganisms in wastewater treatment plants	10 mg/l	
Freshwater sediment	5.74 mg/kg of dry substance of sediment	

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methyl methacrylate

Route of exposure	Value	Determining method
Soil (agricultural)	1.47 mg/kg of dry substance of soil	

oxydipropyl dibenzoate

Route of exposure	Value	Determining method
Freshwater environment	3.7 µg/l	
Water (occasional leak)	37 µg/l	
Seawater	0.37 µg/l	
Microorganisms in wastewater treatment plants	10 mg/l	
Freshwater sediment	1.49 mg/kg of dry substance of sediment	
Sea sediments	0.149 mg/kg of dry substance of sediment	
Soil (agricultural)	1 mg/kg of dry substance of soil	
Food chain	333 mg/kg of food	

**8.2. Exposure controls**

Follow the usual measures intended for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. If exposure limits cannot be observed in this mode, suitable protection of airways must be used. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest. Take off contaminated clothing. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. And wash it before reuse. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection**

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Wear approved chemical safety goggles where eye exposure is reasonably probable.

**Skin protection**

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. When choosing appropriate thickness, material and permeability of the gloves, observe recommendations of their particular manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. Other protection: protective workwear. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Use of antistatic clothes and footwear is recommended.

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**Respiratory protection**

Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

**Thermal hazard**

Not available.

**Environmental exposure controls**

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

**More information**

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689, EN 14042, EN 482. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Appearance	
Physical state	liquid at 20°C
color	white
Odour	Strong Acrylic
Odour threshold	data not available
pH	data not available
Melting point/freezing point	data not available
Initial boiling point and boiling range	data not available
Flash point	10 °C (Closed cup)
Evaporation rate	data not available
Flammability (solid, gas)	Highly flammable liquid and vapour.
Upper/lower flammability or explosive limits	
flammability limits	data not available
explosive limits	data not available
Vapour pressure	data not available
Vapour density	data not available
Relative density	0.97-1.01
Solubility(ies)	
solubility in water	data not available
solubility in fats	data not available
Partition coefficient: n-octanol/water	data not available
Auto-ignition temperature	data not available
Decomposition temperature	data not available
Viscosity	data not available
Kinematic viscosity	>40 mm <sup>2</sup> /s at 40°C
Explosive properties	data not available
Oxidising properties	data not available

**9.2. Other information**

Density	data not available
ignition temperature	data not available

**SECTION 10: Stability and reactivity****10.1. Reactivity**

not available



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**10.2. Chemical stability**

The product is stable under normal conditions.

**10.3. Possibility of hazardous reactions**

When used in the standard way, there is not any dangerous reaction with other substances.

**10.4. Conditions to avoid**

Keep away from sources of heating, ignition and direct sunlight.

**10.5. Incompatible materials**

Protect against strong oxidizing agents.

**10.6. Hazardous decomposition products**

Not developed under normal uses.

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

No toxicological data is available for the mixture.

**Acute toxicity**

Based on available data the classification criteria are not met.

3,5-diethyl-1,2-dihydro-1-phenyl-2-propylpyridine

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Dermal	LD <sub>50</sub>	>1000 mg/kg		Rabbit	
Oral	LD <sub>50</sub>	1620 mg/kg		Rat	

methyl methacrylate

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Inhalation (vapor)	LD <sub>50</sub>	78000 mg/m <sup>3</sup>	4 hour	Rat	
Dermal	LD <sub>50</sub>	>5000 mg/kg		Rabbit	
Oral	LD <sub>50</sub>	7872 mg/kg		Rat	

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Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Oral	ATE	71965.2 mg/kg			
Dermal	ATE	48865.3 mg/kg			

oxydipropyl dibenzoate

Route of exposure	Parameter	Value	Time of exposure	Species	Sex
Inhalation (dust/mist)	LC <sub>50</sub>	>200 mg/l	4 hour	Rat	
Dermal	LD <sub>50</sub>	>2000 mg/kg		Rabbit	
Oral	LD <sub>50</sub>	3295 mg/kg		Rat	
Oral	NOAEL	1000 mg/kg	90 day	Rat	

**Skin corrosion/irritation**

Causes skin irritation.

**Serious eye damage/irritation**

Based on available data the classification criteria are not met.

**Respiratory or skin sensitisation**

May cause an allergic skin reaction. Based on available data the classification criteria are not met.

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**Germ cell mutagenicity**

Based on available data the classification criteria are not met.

**Carcinogenicity**

Based on available data the classification criteria are not met.

**Reproductive toxicity**

Based on available data the classification criteria are not met.

**Toxicity for specific target organ - single exposure**

May cause respiratory irritation.

methyl methacrylate

Route of exposure	Parameter	Value	Result	Species	Sex	Source
			Irritating			Dýchací cesty

**Toxicity for specific target organ - repeated exposure**

Based on available data the classification criteria are not met.

**Aspiration hazard**

Based on available data the classification criteria are not met.

**SECTION 12: Ecological information**

**12.1. Toxicity**

**Acute toxicity**

Data for the mixture are not available.

methyl methacrylate

Parameter	Value	Time of exposure	Species	Environment
LC <sub>50</sub>	130000 µg/l	96 hour	Fishes (Pimephales promelas)	Freshwater

oxydipropyl dibenzoate

Parameter	Value	Time of exposure	Species	Environment
EC <sub>50</sub>	4.9 mg/l	72 hour	Algae (Selenastrum capricornutum)	
EC <sub>50</sub>	19.3 mg/l	48 hour	Invertebrates (Daphnia magna)	
LC <sub>50</sub>	3.7 mg/l	96 hour	Fishes	

**12.2. Persistence and degradability**

**Biodegradability**

oxydipropyl dibenzoate

Parameter	Value	Time of exposure	Environment	Result
	87 %	28 day		Easily biodegradable

Data not available.

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**12.3. Bioaccumulative potential**

methyl methacrylate

Parameter	Value	Time of exposure	Species	Environment	Surrounding temperature [°C]	Source
Log Pow	1.38					

oxydipropyl dibenzoate

Parameter	Value	Time of exposure	Species	Environment	Surrounding temperature [°C]	Source
Log Pow	3.9					Potential: low

Not available.

**12.4. Mobility in soil**

Not available.

**12.5. Results of PBT and vPvB assessment**

Product does not contain any substance meeting the criteria for PBT or vPvB in accordance with the Annex XIII of Regulation (EC) No 1907/2006 (REACH) as amended.

**12.6. Other adverse effects**

Not available.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

Proceed in accordance with valid regulations on waste disposal. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to a person authorised for waste removal (a specialized company) that is entitled for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapour from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally.

**Legislation of waste**

Council Directive 75/442/EEC on waste, as amended. Decree No. 383/2001 Coll., on details regarding waste handling as amended. Decree No. 93/2016 Coll., (waste catalogue) as amended. Decision 2000/532/EC establishing a list of wastes, as amended.

**Waste type code**

08 04 09 waste adhesives and sealants containing organic solvents or other dangerous substances

**Packaging waste type code**

15 01 10 packaging containing residues of or contaminated by dangerous substances

**SECTION 14: Transport information**

**14.1. UN number**

UN 1133

**14.2. UN proper shipping name**

ADHESIVES

**14.3. Transport hazard class(es)**

3 Flammable liquids

**14.4. Packing group**

II - substances presenting medium danger

**14.5. Environmental hazards**

No

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**14.6. Special precautions for user**

Reference in the Sections 4 to 8.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

not available

**Additional information**

Hazard identification No.

**33**

(Kemler Code)

UN number

**1133**

Classification code

F1

Safety signs

3

**Road transport ADR**

Special provision	640C
Limited amount	5 L
Extracted amounts	E2
Tunnel restriction code	(D/E)

**Railway transport - RID**

Special provision	640C
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**Air transport - ICAO/IATA**

Packaging instructions for limited amount	Y341
Packaging instructions passenger	353
Cargo packaging instructions	364

**Marine transport - IMDG**

EmS (emergency plan)	F-E, S-D
Marine pollution	No

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Regulation (EC) No. 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing the European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No. 793/93 and Commission Regulation (EC) No. 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. Regulation (EC) No. 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No. 1907/2006, as amended. The Act No. 350/2011 Coll., on Chemical Substances and Chemical Preparations as amended (the Chemical Act). The Act No. 350/2011 Coll., on Chemical Substances and Chemical Preparations as amended. The Act No. 258/2000 Coll., on Protection of Public Health as amended. Decree No. 361/2007 Coll., determining conditions of occupational health protection as amended. Decree No. 415/2012 Coll., on the permissible level of pollution and its determination and implementation of certain other provisions of the Air Protection Act as amended. The Act No. 185/2001 Coll., on Waste and the Amendment of Some Other Acts as amended. The Act No. 201/2012 Coll., on the Protection of Atmosphere – Clean Air Act as amended. Decree No. 432/2003 Coll., laying down conditions for assigning categories to individual jobs, limit values of indices from biological exposure tests, conditions for the sampling of biological materials for biological exposure and the particulars of the reports on work with asbestos and biological agents as amended.

**15.2. Chemical safety assessment**

not available

**SECTION 16: Other information**

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**A list of standard risk phrases used in the safety data sheet**

H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
H302+H312	Harmful if swallowed or in contact with skin.

**Guidelines for safe handling used in the safety data sheet**

P280	Wear protective gloves/eye protection/face protection.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241	Use explosion-proof electrical/ventilating/lighting equipment.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P235	Keep cool.
P501	Dispose of contents/container to in accordance with national regulations.

**Other important information about human health protection**

The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per the Section 1. The user is responsible for adherence to all related health protection regulations.

**Key to abbreviations and acronyms used in the safety data sheet**

ADR	European agreement concerning the international carriage of dangerous goods by road
BCF	Bioconcentration Factor
CAS	Chemical Abstracts Service
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substance and mixtures
DNEL	Derived no-effect level
EC	Identification code for each substance listed in EINECS
EC <sub>50</sub>	Concentration of a substance when it is affected 50% of the population
EINECS	European Inventory of Existing Commercial Chemical Substances
EmS	Emergency plan
EU	European Union
IATA	International Air Transport Association
IBC	International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals
IC <sub>50</sub>	Concentration causing 50% blockade
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
INCI	International Nomenclature of Cosmetic Ingredients
ISO	International Organization for Standardization
IUPAC	International Union of Pure and Applied Chemistry
LC <sub>50</sub>	Lethal concentration of a substance in which it can be expected death of 50% of the population
LD <sub>50</sub>	Lethal dose of a substance in which it can be expected death of 50% of the population
LOAEC	Lowest observed adverse effect concentration
LOAEL	Lowest observed adverse effect level
log Kow	Octanol-water partition coefficient
MARPOL	International Convention for the Prevention of Pollution From Ships
NOAEC	No observed adverse effect concentration

**MMA ADHESIVE 6MIN - PART A**

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NOAEL	No observed adverse effect level
NOEC	No observed effect concentration
NOEL	No observed effect level
OEL	Occupational Exposure Limits
PBT	Persistent, Bioaccumulative and Toxic
PNEC	Predicted no-effect concentration
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Agreement on the transport of dangerous goods by rail
UN	Four-figure identification number of the substance or article taken from the UN Model Regulations
UVCB	Substances of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bioaccumulative

Acute Tox.	Acute toxicity
Aquatic Chronic	Hazardous to the aquatic environment
Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquid
Skin Irrit.	Skin irritation
Skin Sens.	Skin sensitization
STOT SE	Specific target organ toxicity - single exposure

**Training guidelines**

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the product.

**Recommended restrictions of use**

not available

**Information about data sources used to compile the Safety Data Sheet**

REGULATION (EC) No. 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended. REGULATION (EC) No. 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended. The Act No. 350/2011 Coll., on Chemical Substances and Chemical Preparations as amended. Data from the manufacturer of the substance / mixture, if available - information from registration dossiers.

**The changes (which information has been added, deleted or modified)**

2, 3, 8, 9, 11, 12, 15, 16

**Statement**

The safety data sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.