



# SAFETY DATA SHEET

This safety data sheet complies with the requirements of: (CLP) Regulation (EC 1272/2008)

Revision Date 11-Jun-2018

Version 10

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Product Code 47809  
Product Name VERSACHEM PLASTIC WELDER (ADHESIVE)

Contains METHACRYLIC ACID, DIMETHYLBENZYL HYDROPEROXIDE, METHYL METHACRYLATE

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

Recommended Use Adhesive  
Uses advised against No information available

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

<b>Manufacturer</b> ITW Permatex 6875 Parkland Blvd. Solon, OH 44139 USA	<b>Supplier</b> KRAFFT S.L.U Carreters de Urnieta s/n 14 Andoain, ES 20140
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E-mail address:  
mail@permatex.com

### 1.4. Emergency telephone number

24-hour emergency phone number - 800-255-3924 (00+ 1+ 813-248-0585) ChemTel

## SECTION 2: HAZARDS IDENTIFICATION:

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin corrosion/irritation	Category 2 - (H315)
Serious eye damage/eye irritation	Category 2A - (H319)
Skin sensitization	Category 1 - (H317)
Specific target organ toxicity (single exposure)	Category 3 - (H335)
Chronic aquatic toxicity	Category 3 - (H412)
Flammable liquids	Category 2 - (H225)

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Full text of R-phrases: see section 16

### 2.2. Label elements

Contains METHACRYLIC ACID, DIMETHYLBENZYL HYDROPEROXIDE, METHYL METHACRYLATE

**Signal word**

Danger

**Statements of hazard**

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H317 - May cause an allergic skin reaction

H335 - May cause respiratory irritation

H412 - Harmful to aquatic life with long lasting effects

H225 - Highly flammable liquid and vapor

**Precautionary Statements - EU (§28, 1272/2008)**

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P271 - Use only outdoors or in a well-ventilated area

P264 - Wash face, hands and any exposed skin thoroughly after handling

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P272 - Contaminated work clothing should not be allowed out of the workplace

P273 - Avoid release to the environment

P210 - Keep away from heat. - No smoking

P242 - Use only non-sparking tools

P243 - Take precautionary measures against static discharge

P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention

P363 - Wash contaminated clothing before reuse

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P337 + P313 - If eye irritation persists: Get medical advice/attention

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish

P405 - Store locked up

P403 + P235 - Store in a well-ventilated place. Keep cool

**Other Information**

• Not applicable

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Mixtures**

Chemical Name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
METHYL METHACRYLATE	201-297-1	80-62-6	35-60	Skin Irrit. 2 (H315) Skin Sens. 1 (H317) STOT SE 3 (H335) Flam. Liq. 2 (H225)	01-2119452498-28-XXXX
METHACRYLIC ACID	201-204-4	79-41-4	1-10	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Skin Corr. 1A (H314)	Exempt - Volume
DIMETHYLBENZYL HYDROPEROXIDE	201-254-7	80-15-9	1-10	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 3 (H331) Skin Corr. 1B (H314) STOT RE 2 (H373)	Exempt - Volume

				Aquatic Chronic 2 (H411) Org. Perox. E (H242)	
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Full text of H- and EUH-phrases: see section 16

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

<b>General advice</b>	In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).
<b>Inhalation</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.
<b>Skin contact</b>	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
<b>Eye contact</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
<b>Ingestion</b>	IF SWALLOWED: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.
<b>Self-protection of the first aider</b>	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

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

<b>Symptoms</b>	See section 2 for more information
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### 4.3. Indication of any immediate medical attention and special treatment needed

<b>Note to physicians</b>	Treat symptomatically.
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## Section 5: FIRE FIGHTING MEASURES

### 5.1. Extinguishing media

#### Suitable extinguishing media

Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.

#### Unsuitable extinguishing media

No information available

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

Highly flammable. Vapors may form explosive mixtures with air.

### 5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

## Section 6: ACCIDENTAL RELEASE MEASURES

### 6.1. Personal precautions, protective equipment and emergency procedures

#### **Personal precautions**

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Use personal protective equipment as required.

Ventilate the area.

**For emergency responders**

Use personal protection recommended in Section 8.

**6.2. Environmental precautions**

Do not flush into surface water or sanitary sewer system.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Eliminate all ignition sources if safe to do so. Ensure adequate ventilation. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

**6.4. Reference to other sections**

See section 8 for more information. See section 13 for more information.

## Section 7: HANDLING AND STORAGE

**7.1. Precautions for safe handling****Advice on safe handling**

Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse. Use personal protective equipment as required. Take precautionary measures against static discharges. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

**General Hygiene Considerations**

Do not eat, drink or smoke when using this product. Take off all contaminated clothing and wash it before reuse. Wash hands and face thoroughly after handling.

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

Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Store locked up.

**Incompatible materials**

Strong oxidizing agents, Reducing agents

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

Adhesive.

**Risk Management Methods (RMM)**

The information required is contained in this Safety Data Sheet.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

**8.1. Control parameters**

Chemical Name	European Union	United Kingdom	France	Spain	Germany
METHYL METHACRYLATE 80-62-6	TWA: 50 ppm STEL: 100 ppm	TWA: 50 ppm TWA: 208 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 205 mg/m <sup>3</sup>	TWA: 50 ppm STEL: 100 ppm	TWA: 50 ppm TWA: 210 mg/m <sup>3</sup>

		STEL: 100 ppm STEL: 416 mg/m <sup>3</sup>	STEL: 100 ppm STEL: 410 mg/m <sup>3</sup>		
METHACRYLIC ACID 79-41-4	-	TWA: 20 ppm TWA: 72 mg/m <sup>3</sup> STEL: 40 ppm STEL: 143 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 70 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 72 mg/m <sup>3</sup>	-
<b>Chemical Name</b>	<b>Italy</b>	<b>Portugal</b>	<b>Netherlands</b>	<b>Finland</b>	<b>Denmark</b>
METHYL METHACRYLATE 80-62-6	TWA: 50 ppm STEL: 100 ppm	TWA: 50 ppm STEL: 100 ppm	TWA: 205 mg/m <sup>3</sup> STEL: 410 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 42 mg/m <sup>3</sup> STEL: 50 ppm STEL: 210 mg/m <sup>3</sup>	TWA: 25 ppm TWA: 102 mg/m <sup>3</sup> H*
METHACRYLIC ACID 79-41-4	-	TWA: 20 ppm	-	TWA: 20 ppm TWA: 71 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 70 mg/m <sup>3</sup>
<b>Chemical Name</b>	<b>Austria</b>	<b>Switzerland</b>	<b>Poland</b>	<b>Norway</b>	<b>Ireland</b>
METHYL METHACRYLATE 80-62-6	TWA: 50 ppm TWA: 210 mg/m <sup>3</sup> STEL 100 ppm STEL 420 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 210 mg/m <sup>3</sup> STEL: 100 ppm STEL: 420 mg/m <sup>3</sup>	STEL: 300 mg/m <sup>3</sup> TWA: 100 mg/m <sup>3</sup>	TWA: 25 ppm TWA: 100 mg/m <sup>3</sup> STEL: 25 ppm STEL: 100 mg/m <sup>3</sup>	TWA: 50 ppm STEL: 100 ppm
METHACRYLIC ACID 79-41-4	TWA: 20 ppm TWA: 70 mg/m <sup>3</sup>	TWA: 5 ppm TWA: 18 mg/m <sup>3</sup> STEL: 10 ppm STEL: 36 mg/m <sup>3</sup>	-	TWA: 20 ppm TWA: 70 mg/m <sup>3</sup> STEL: 20 ppm STEL: 70 mg/m <sup>3</sup>	TWA: 20 ppm TWA: 70 mg/m <sup>3</sup> STEL: 40 ppm STEL: 140 mg/m <sup>3</sup>

**Derived No Effect Level (DNEL)** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

## 8.2. Exposure controls

**Engineering Controls** Use exhaust ventilation to keep airborne concentrations below exposure limits.

### Personal protective equipment

#### Eye/face protection

Wear safety glasses with side shields (or goggles).

#### Skin and body protection

Suitable protective clothing. Gloves made of plastic or rubber.

#### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Use NIOSH-approved air-purifying respirator with organic vapor cartridge or canister, as appropriate.

**Environmental exposure controls** Local authorities should be advised if significant spillages cannot be contained.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<b>Physical state</b>	Viscous liquid
<b>Appearance</b>	White
<b>Odor</b>	Methyl methacrylate
<b>Odor threshold</b>	0.75 ppm

<b>Property</b>	<b>Values</b>	<b>Remarks • Method</b>
pH	No information available	
Melting point / freezing point	No information available	
Boiling point / boiling range	101 °C / 213 °F	
Flash point	12 °C / 53 °F	
Evaporation rate	> 1	Butyl acetate = 1
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit:	12.5%	
Lower flammability limit:	1.6%	
Vapor pressure	28 mmHg @ 68°F	
Vapor density	>3	Air = 1
Relative density	0.95	
Water solubility	Slightly soluble	
Solubility(ies)	No information available	

Partition coefficient	No information available
Autoignition temperature	421°C (789.8°F)
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

**9.2. Other information**

Softening point	No information available
Molecular weight	No information available
VOC Content (%)	<50 g/L
Density	No information available
Bulk density	No information available

## Section 10: STABILITY AND REACTIVITY

**10.1. Reactivity**

Not applicable

**10.2. Chemical stability**

Stable under normal conditions.

Explosion data

Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.

**10.3. Possibility of hazardous reactions**

None under normal processing.

**10.4. Conditions to avoid**

Heat, flames and sparks.

**10.5. Incompatible materials**

Strong oxidizing agents  
Reducing agents

**10.6. Hazardous decomposition products**

Carbon oxides  
Nitrogen oxides (NOx)

## Section 11: TOXICOLOGICAL INFORMATION

**11.1. Information on toxicological effects****Product Information**

Inhalation	May cause irritation of respiratory tract.
Eye contact	Irritating to eyes. May cause redness and tearing of the eyes.
Skin contact	May cause skin irritation and/or dermatitis. May cause sensitization by skin contact.
Ingestion	Ingestion may cause irritation to mucous membranes.

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	2929.00 mg/kg
ATEmix (dermal)	3269.00 mg/kg

ATEmix (inhalation-dust/mist) 8.30 mg/l  
 ATEmix (inhalation-vapor) 6948.00 mg/l  
Unknown acute toxicity

100 % of the mixture consists of ingredient(s) of unknown toxicity.

82.5 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

27.5 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).

45 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).

95 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
METHYL METHACRYLATE	= 7900 mg/kg ( Rat ) = 7872 mg/kg ( Rat )	> 5 g/kg ( Rabbit )	= 4632 ppm ( Rat ) 4 h
BUTYLATED HYDROXY TOLUENE	= 890 mg/kg ( Rat )	> 2000 mg/kg ( Rat )	
DIMETHYLBENZYL HYDROPEROXIDE	= 382 mg/kg ( Rat )	= 0.126 mL/kg ( Rabbit )	= 220 ppm ( Rat ) 4 h

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Target Organ Effects</b>	Eyes, Respiratory system, Skin.
<b>Aspiration hazard:</b>	No information available.

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
METHYL METHACRYLATE	170: 96 h Pseudokirchneriella subcapitata mg/L EC50	243 - 275: 96 h Pimephales promelas mg/L LC50 flow-through 125.5 - 190.7: 96 h Pimephales promelas mg/L LC50 static 153.9 - 341.8: 96 h Lepomis macrochirus mg/L LC50 static 170 - 206: 96 h Lepomis macrochirus mg/L LC50 flow-through 326.4 - 426.9: 96 h Poecilia reticulata mg/L LC50 static 79: 96 h Oncorhynchus mykiss mg/L LC50 static 79: 96 h Oncorhynchus mykiss mg/L LC50 flow-through	69: 48 h Daphnia magna mg/L EC50
DIMETHYLBENZYL HYDROPEROXIDE	-	3.9: 96 h Oncorhynchus mykiss mg/L LC50 static	7: 24 h Daphnia magna mg/L EC50

**12.2. Persistence and degradability**

No information available.

**12.3. Bioaccumulative potential**

No information available.

Chemical Name	Partition coefficient
METHYL METHACRYLATE	0.7
METHACRYLIC ACID	0.93

**12.4. Mobility in soil****Mobility in soil**

No information available.

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

No information available.

**12.6. Other adverse effects**

No information available

**Endocrine Disruptor Information**

None known.

## Section 13: DISPOSAL CONSIDERATIONS

**13.1. Waste treatment methods**

<b>Waste from residues/unused products</b>	Disposal should be in accordance with applicable regional, national and local laws and regulations.
<b>Contaminated packaging</b>	Do not reuse container.
<b>Waste codes / waste designations according to EWC / AVV</b>	No Data Available
<b>Other Information</b>	Waste codes should be assigned by the user based on the application for which the product was used.

## Section 14: TRANSPORT INFORMATION

**IMDG**

<b>14.1 UN/ID no</b>	1133
<b>14.2 Proper shipping name:</b>	Adhesives, Limited Quantity (LQ)
<b>14.3 Hazard Class</b>	3
<b>14.4 Packing Group</b>	II
<b>14.5 Environmental hazard</b>	Not applicable
<b>14.6 Special Provisions</b>	No information available
<b>14.7 EmS-No</b>	F-E, S-D

**RID**

<b>14.1 UN/ID no</b>	1133
<b>14.2 Proper shipping name:</b>	Adhesives, Limited Quantity (LQ)
<b>14.3 Hazard Class</b>	3

14.4 Packing Group	II
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	No information available
14.7 Classification code	F1

**ADR**

14.1 UN/ID no	1133
14.2 Proper shipping name:	Adhesives, Limited Quantity (LQ)
14.3 Hazard Class	3
14.4 Packing Group	II
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	No information available
14.7 Classification code	F1

**IATA**

14.1 UN/ID no	ID 8000
14.2 Proper shipping name:	Consumer commodity
14.3 Hazard Class	9
14.4 Packing Group	None
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	No information available
14.7 ERG Code	9L

<b>Section 15: REGULATORY INFORMATION</b>
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**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Chemical Name	French RG number	Title
METHYL METHACRYLATE 80-62-6	RG 65, RG 82	-

**European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

**Authorizations and/or restrictions on use:**

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

**Persistent Organic Pollutants**

Not applicable

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

**International Inventories**

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Not determined
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

**Legend:**

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

## 15.2. Chemical safety assessment

No information available

## Section 16: OTHER INFORMATION

### Key or legend to abbreviations and acronyms used in the safety data sheet

#### Full text of H-Statements referred to under section 3

H302 - Harmful if swallowed

H312 - Harmful in contact with skin

H314 - Causes severe skin burns and eye damage

H331 - Toxic if inhaled

H373 - May cause damage to organs through prolonged or repeated exposure if inhaled

H411 - Toxic to aquatic life with long lasting effects

H242 - Heating may cause a fire

H315 - Causes skin irritation

H317 - May cause an allergic skin reaction

H335 - May cause respiratory irritation

H225 - Highly flammable liquid and vapor

#### Legend

SVHC: Substances of Very High Concern for Authorization:

#### Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Revision Date 11-Jun-2018

Revision Note Not applicable.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

End of Safety Data Sheet



# SAFETY DATA SHEET

This safety data sheet complies with the requirements of: (CLP) Regulation (EC 1272/2008)

Revision Date 11-Jun-2018

Version 8

## Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Product Code 47809V  
Product Name VERSACHEM PLASTIC WELDER (ACTIVATOR)

Contains METHYL METHACRYLATE

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

Recommended Use Activator  
Uses advised against No information available

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

<b>Manufacturer</b> ITW Permatex 6875 Parkland Blvd. Solon, OH 44139 USA	<b>Supplier</b> KRAFFT S.L.U Carreters de Urnieta s/n 14 Andoain, ES 20140
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E-mail address:  
mail@permatex.com

### 1.4. Emergency telephone number

24-hour emergency phone number - 800-255-3924 (00+ 1+ 813-248-0585) ChemTel

## SECTION 2: HAZARDS IDENTIFICATION:

### 2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin corrosion/irritation	Category 2 - (H315)
Skin sensitization	Category 1 - (H317)
Specific target organ toxicity (single exposure)	Category 3 - (H335)
Flammable liquids	Category 2 - (H225)

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Full text of R-phrases: see section 16

### 2.2. Label elements

Contains METHYL METHACRYLATE



**Signal word**  
Danger

**Statements of hazard**

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

**Precautionary Statements - EU (§28, 1272/2008)**

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray  
P271 - Use only outdoors or in a well-ventilated area  
P264 - Wash face, hands and any exposed skin thoroughly after handling  
P280 - Wear protective gloves  
P272 - Contaminated work clothing should not be allowed out of the workplace  
P210 - Keep away from open flames/hot surfaces. - No smoking  
P242 - Use only non-sparking tools  
P243 - Take precautionary measures against static discharge  
P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention  
P363 - Wash contaminated clothing before reuse  
P370 + P378 - In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish  
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing  
P312 - Call a POISON CENTER or doctor/physician if you feel unwell  
P403 + P235 - Store in a well-ventilated place. Keep cool  
P405 - Store locked up

**Other Information**

• Not applicable

### Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Mixtures**

Chemical Name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
METHYL METHACRYLATE	201-297-1	80-62-6	60-80	Skin Irrit. 2 (H315) Skin Sens. 1 (H317) STOT SE 3 (H335) Flam. Liq. 2 (H225)	01-2119452498-28-XXXX

Full text of H- and EUH-phrases: see section 16

### Section 4: FIRST AID MEASURES

**4.1. Description of first aid measures**

**General advice**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

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Inhalation	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms persist, call a physician.
Skin contact	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	IF SWALLOWED: Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Call a physician.
Self-protection of the first aider	Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

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

**Symptoms** See section 2 for more information

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

**Note to physicians** Treat symptomatically.

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**Section 5: FIRE FIGHTING MEASURES**

**5.1. Extinguishing media**

**Suitable extinguishing media**

Carbon dioxide (CO<sub>2</sub>). Foam. Dry chemical.

**Unsuitable extinguishing media**

No information available

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

Highly flammable. Vapors may form explosive mixtures with air.

**5.3. Advice for firefighters**

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

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**Section 6: ACCIDENTAL RELEASE MEASURES**

**6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions**

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash thoroughly after handling.

**For emergency responders**

Use personal protection recommended in Section 8.

**6.2. Environmental precautions**

Do not flush into surface water or sanitary sewer system.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Eliminate all ignition sources if safe to do so. Ensure adequate ventilation. Soak up with inert absorbent material. Sweep up and shovel into suitable containers for disposal.

#### 6.4. Reference to other sections

See section 8 for more information. See section 13 for more information.

## Section 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

#### Advice on safe handling

Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Wash contaminated clothing before reuse. Use personal protective equipment as required. Remove all sources of ignition. Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

#### General Hygiene Considerations

Do not eat, drink or smoke when using this product. Take off all contaminated clothing and wash it before reuse. Wash hands and face thoroughly after handling.

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

#### Storage Conditions

Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Store locked up.

#### Incompatible materials

Strong oxidizing agents, Reducing agents

### 7.3. Specific end use(s)

#### Specific use(s)

Automotive Care Product.

#### Risk Management Methods (RMM)

The information required is contained in this Safety Data Sheet.

## Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Chemical Name	European Union	United Kingdom	France	Spain	Germany
METHYL METHACRYLATE 80-62-6	TWA: 50 ppm STEL: 100 ppm	TWA: 50 ppm TWA: 208 mg/m <sup>3</sup> STEL: 100 ppm STEL: 416 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 205 mg/m <sup>3</sup> STEL: 100 ppm STEL: 410 mg/m <sup>3</sup>	TWA: 50 ppm STEL: 100 ppm	TWA: 50 ppm TWA: 210 mg/m <sup>3</sup>
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
METHYL METHACRYLATE 80-62-6	TWA: 50 ppm STEL: 100 ppm	TWA: 50 ppm STEL: 100 ppm	TWA: 205 mg/m <sup>3</sup> STEL: 410 mg/m <sup>3</sup>	TWA: 10 ppm TWA: 42 mg/m <sup>3</sup> STEL: 50 ppm STEL: 210 mg/m <sup>3</sup>	TWA: 25 ppm TWA: 102 mg/m <sup>3</sup> H*
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
METHYL METHACRYLATE 80-62-6	TWA: 50 ppm TWA: 210 mg/m <sup>3</sup> STEL 100 ppm STEL 420 mg/m <sup>3</sup>	TWA: 50 ppm TWA: 210 mg/m <sup>3</sup> STEL: 100 ppm STEL: 420 mg/m <sup>3</sup>	STEL: 300 mg/m <sup>3</sup> TWA: 100 mg/m <sup>3</sup>	TWA: 25 ppm TWA: 100 mg/m <sup>3</sup> STEL: 25 ppm STEL: 100 mg/m <sup>3</sup>	TWA: 50 ppm STEL: 100 ppm

**Derived No Effect Level (DNEL)** No information available.

**Predicted No Effect Concentration (PNEC)** No information available.

## 8.2. Exposure controls

**Engineering Controls** Use exhaust ventilation to keep airborne concentrations below exposure limits.

### Personal protective equipment

**Eye/face protection** Wear safety glasses with side shields (or goggles).  
**Skin and body protection** Suitable protective clothing. Gloves made of plastic or rubber.  
**Respiratory protection** In case of insufficient ventilation, wear suitable respiratory equipment. Use NIOSH-approved air-purifying respirator with organic vapor cartridge or canister, as appropriate.

**Environmental exposure controls** Local authorities should be advised if significant spillages cannot be contained.

## Section 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

**Physical state** Viscous liquid  
**Appearance** White  
**Odor** Methyl methacrylate  
**Odor threshold** 0.75 ppm

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No information available	
Melting point / freezing point	No information available	
Boiling point / boiling range	101 °C / 214 °F	
Flash point	12 °C / 54 °F	Tag Closed Cup
Evaporation rate	>1	Butyl acetate = 1
Flammability (solid, gas)	No information available	
Flammability Limit in Air		
Upper flammability limit:	12.5%	
Lower flammability limit:	1.6%	
Vapor pressure	28 mmHg @ 68°F	
Vapor density	>3	Air = 1
Relative density	0.95	
Water solubility	Slightly soluble	
Solubility(ies)	No information available	
Partition coefficient	No information available	
Autoignition temperature	421°C (789.8°F)	
Decomposition temperature	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	No information available	
Explosive properties	No information available	
Oxidizing properties	No information available	

### 9.2. Other information

**Softening point** No information available  
**Molecular weight** No information available  
**VOC Content (%)** <50 g/L  
**Density** No information available  
**Bulk density** No information available

## Section 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Not applicable

## **10.2. Chemical stability**

Stable under normal conditions.

### Explosion data

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

## **10.3. Possibility of hazardous reactions**

None under normal processing.

## **10.4. Conditions to avoid**

Heat, flames and sparks.

## **10.5. Incompatible materials**

Strong oxidizing agents

Reducing agents

## **10.6. Hazardous decomposition products**

Carbon oxides

Nitrogen oxides (NO<sub>x</sub>)

# **Section 11: TOXICOLOGICAL INFORMATION**

## **11.1. Information on toxicological effects**

### **Product Information**

#### **Inhalation**

May cause irritation of respiratory tract.

#### **Eye contact**

Irritating to eyes. May cause redness and tearing of the eyes.

#### **Skin contact**

May cause skin irritation and/or dermatitis. May cause sensitization by skin contact.

#### **Ingestion**

Ingestion may cause irritation to mucous membranes.

The following values are calculated based on chapter 3.1 of the GHS document

**ATEmix (oral)** 7,872.00 mg/kg

**ATEmix (dermal)** 5,005.00 mg/kg

**ATEmix (inhalation-vapor)** 4,632.00 mg/l

### **Unknown acute toxicity**

100 % of the mixture consists of ingredient(s) of unknown toxicity.

20 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

20 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).

20 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor).

100 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

### **Skin corrosion/irritation**

No information available.

### **Serious eye damage/eye irritation**

No information available.

### **Sensitization**

No information available.

### **Germ cell mutagenicity**

No information available.

### **Carcinogenicity**

No information available.

<b>Reproductive toxicity</b>	No information available.
<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Target Organ Effects</b>	Eyes, Respiratory system, Skin.
<b>Aspiration hazard:</b>	No information available.

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

Chemical Name	Algae/aquatic plants	Fish	Crustacea
METHYL METHACRYLATE	170: 96 h Pseudokirchneriella subcapitata mg/L EC50	243 - 275: 96 h Pimephales promelas mg/L LC50 flow-through 125.5 - 190.7: 96 h Pimephales promelas mg/L LC50 static 153.9 - 341.8: 96 h Lepomis macrochirus mg/L LC50 static 170 - 206: 96 h Lepomis macrochirus mg/L LC50 flow-through 326.4 - 426.9: 96 h Poecilia reticulata mg/L LC50 static 79: 96 h Oncorhynchus mykiss mg/L LC50 static 79: 96 h Oncorhynchus mykiss mg/L LC50 flow-through	69: 48 h Daphnia magna mg/L EC50

### 12.2. Persistence and degradability

No information available.

### 12.3. Bioaccumulative potential

No information available.

Chemical Name	Partition coefficient
METHYL METHACRYLATE	0.7

### 12.4. Mobility in soil

#### Mobility in soil

No information available.

### 12.5. Results of PBT and vPvB assessment

No information available.

### 12.6. Other adverse effects

No information available

#### Endocrine Disruptor Information

None known.

## Section 13: DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

Waste from residues/unused products	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Do not reuse container.
Waste codes / waste designations according to EWC / AVV	No Data Available
Other Information	Waste codes should be assigned by the user based on the application for which the product was used.

## Section 14: TRANSPORT INFORMATION

### IMDG

14.1 UN/ID no	1133
14.2 Proper shipping name:	Adhesives, Limited Quantity (LQ)
14.3 Hazard Class	3
14.4 Packing Group	II
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	No information available
14.7 EmS-No	F-E, S-D

### RID

14.1 UN/ID no	1133
14.2 Proper shipping name:	Adhesives, Limited Quantity (LQ)
14.3 Hazard Class	3
14.4 Packing Group	II
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	No information available
14.7 Classification code	F1

### ADR

14.1 UN/ID no	1133
14.2 Proper shipping name:	Adhesives, Limited Quantity (LQ)
14.3 Hazard Class	3
14.4 Packing Group	II
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	No information available
14.7 Classification code	F1

### IATA

14.1 UN/ID no	ID 8000
14.2 Proper shipping name:	Consumer commodity
14.3 Hazard Class	9
14.4 Packing Group	None
14.5 Environmental hazard	Not applicable
14.6 Special Provisions	No information available
14.7 ERG Code	9L

## Section 15: REGULATORY INFORMATION

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

Chemical Name	French RG number	Title
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METHYL METHACRYLATE 80-62-6	RG 65, RG 82	-
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#### **European Union**

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

#### **Authorizations and/or restrictions on use:**

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

#### **Persistent Organic Pollutants**

Not applicable

#### **Ozone-depleting substances (ODS) regulation (EC) 1005/2009**

Not applicable

#### **International Inventories**

<b>TSCA</b>	Complies
<b>DSL/NDL</b>	Complies
<b>EINECS/ELINCS</b>	Complies
<b>ENCS</b>	Complies
<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

#### **Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

#### **15.2. Chemical safety assessment**

No information available

### **Section 16: OTHER INFORMATION**

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

#### **Full text of H-Statements referred to under section 3**

H315 - Causes skin irritation

H319 - Causes serious eye irritation

H335 - May cause respiratory irritation

H225 - Highly flammable liquid and vapor

#### **Legend**

SVHC: Substances of Very High Concern for Authorization:

#### **Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

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TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

**Revision Date** 11-Jun-2018

**Revision Note** Not applicable.

**This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**

**End of Safety Data Sheet**