



## Safety data sheet in accordance with regulation (EC) No 1907/2006

Trade name: TECHNO COLLE MM partie rose

Version: 9 / DE

Date revised: 06.01.2020

Replaces Version: 8 / DE

Print date: 03.11.2020

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261.9	Avoid breathing vapours/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
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 or doctor.

### Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains Methacrylic acid; 1-Benzoyl-2-Ethylimidazol; 2-Hydroxyethyl methacrylate; Methyl-methacrylate

### 2.3. Other hazards

No special hazards have to be mentioned.

## SECTION 3: Composition/information on ingredients

### Hazardous ingredients

#### Methyl-methacrylate

CAS No.	80-62-6
EINECS no.	201-297-1
Concentration	>= 50 %
Classification (Regulation (EC) No. 1272/2008)	
Flam. Liq. 2	H225
STOT SE 3	H335
Skin Irrit. 2	H315
Skin Sens. 1	H317

Additional remarks:

DSD Directive 67/548/EEC, Annex I, Note D

CLP Regulation (EC) No 1272/2008, Annex VI, Note D

#### 2-Hydroxyethyl methacrylate

CAS No.	868-77-9
EINECS no.	212-782-2
Registration no.	01-2119490169-29
Concentration	>= 25 < 50 %
Classification (Regulation (EC) No. 1272/2008)	
Eye Irrit. 2	H319
Skin Sens. 1	H317
Skin Irrit. 2	H315

#### Methacrylic acid

CAS No.	79-41-4
EINECS no.	201-204-4
Registration no.	01-2119463884-26
Concentration	>= 10 < 19 %
Classification (Regulation (EC) No. 1272/2008)	
Acute Tox. 4	H312
Acute Tox. 4	H302
Skin Corr. 1A	H314

Concentration limits (Regulation (EC) No. 1272/2008)

STOT SE 3 H335 >= 1

Additional remarks:

DSD Directive 67/548/EEC, Annex I, Note D

CLP Regulation (EC) No 1272/2008, Annex VI, Note D

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### Monobenzoyl Thiourea

CAS No. 614-23-3  
Concentration  $\geq 1 < 9,6 \%$   
Classification (Regulation (EC) No. 1272/2008)  
Acute Tox. 4 H302

### 1-Benzoyl-2-Ethylimidazol

CAS No. 137590-32-0  
EINECS no. 415-820-8  
Concentration  $\geq 1 < 3 \%$   
Classification (Regulation (EC) No. 1272/2008)  
Eye Dam. 1 H318  
Skin Sens. 1 H317  
Aquatic Chronic 3 H412

## **SECTION 4: First aid measures**

### **4.1. Description of first aid measures**

#### **General information**

Remove contaminated, soaked clothing immediately and dispose of safely. Adhere to personal protective measures when giving first aid. In any case show the physician the Safety Data Sheet.

#### **After inhalation**

Ensure supply of fresh air. When vapours are intensively inhaled, seek medical help immediately.

#### **After skin contact**

Wash off immediately with soap and water. Consult a doctor if skin irritation persists.

#### **After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

#### **After ingestion**

If swallowed, seek medical advice immediately and show this container or label. Rinse mouth thoroughly with water. Let plenty of water be drunk in small gulps. Do not induce vomiting.

#### **Adhere to personal protective measures when giving first aid**

First aider: Pay attention to self-protection!

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

Until now no symptoms known so far.

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

#### **Hints for the physician / hazards**

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Dry powder, Carbon dioxide, Foam

#### **Non suitable extinguishing media**

Full water jet

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

In case of combustion evolution of dangerous gases possible.

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### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighting

Do not inhale explosion and/or combustion gases. In case of combustion use a suitable breathing apparatus. Wear full protective suit.

#### Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

## SECTION 6: Accidental release measures

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

Keep away sources of ignition. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Use personal protective clothing. Refer to protective measures listed in Sections 7 and 8.

### 6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil. In case the product spills into sewage waters, immediately inform the authorities.

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

Pick up with absorbent material. Do not pick up with the help of saw-dust or other combustible substances. Containers in which spilt substance has been collected must be adequately labelled. Dispose of as prescribed.

### 6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Avoid formation of aerosols. Provide good ventilation of working area (local exhaust ventilation if necessary). Observe the usual precautions for handling chemicals. Avoid impact, friction and electrostatic loading; risk of ignition!. Keep container tightly closed.

#### Advice on protection against fire and explosion

Keep away from sources of heat and ignition. No smoking. Take precautionary measures against static discharge. Avoid impact and friction. Keep away from combustible material.

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

#### Requirements for storage rooms and vessels

Keep in original packaging, tightly closed. Storage rooms must be properly ventilated. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Provide solvent-resistant and impermeable floor.

#### Hints on storage assembly

Do not store with strong oxidizing agents.

#### Storage classes

Storage class according to TRGS 510      3      Flammable liquid

#### Further information on storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place. Protect from heat and direct sunlight.

## SECTION 8: Exposure controls/personal protection

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### 8.1. Control parameters

#### Exposure limit values

##### Methyl-methacrylate

List	TRGS 900			
Type	AGW			
Value	210	mg/m <sup>3</sup>	50	ppm(V)

Maximum limit value: 2(l); Pregnancy group: Y; Status: 28.10.2014; Remarks: DFG, EU

##### Methacrylic acid

Value	180	mg/m <sup>3</sup>	50	ppm(V)
Short term exposure limit	360	mg/m <sup>3</sup>	100	ppm(V)

#### Other information

There are not known any further control parameters.

### 8.2. Exposure controls

#### General protective and hygiene measures

Do not smoke during work time. Hold eye wash fountain available. Do not inhale gases/vapours/aerosols. Avoid contact with skin and eyes. Take off immediately all contaminated clothing. Do not eat or drink during work time. Wash hands before breaks and after work. Clean skin thoroughly after work; apply skin cream.

#### Respiratory protection

Use NIOSH approved respirator if there is potential to exceed exposure limits. If this material is handled at elevated temperatures, or under mist-forming conditions without engineering controls, a NIOSH approved respirator must be used.

#### Hand protection

Chemical resistant gloves				
Use	Short-term hand contact			
Appropriate Material	nitrile			
Material thickness	>=	0,4	mm	
Breakthrough time	>	480	min	

#### Eye protection

Safety glasses with side protection shield

#### Body protection

Clothing as usual in the chemical industry.

## SECTION 9: Physical and chemical properties

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

Form	liquid
Colour	pink
Odour	characteristic
Odour threshold	
Remarks	not determined
pH value	
Remarks	not determined
Melting point	
Remarks	not determined
Freezing point	
Remarks	not determined
Initial boiling point and boiling range	

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Value	101			°C
<b>Flash point</b>				
Value	10			°C
<b>Evaporation rate (ether = 1) :</b>				
Remarks	not determined			
<b>Flammability (solid, gas)</b>				
not determined				
<b>Upper/lower flammability or explosive limits</b>				
Remarks	not determined			
<b>Vapour pressure</b>				
Value	47			hPa
Temperature	20		°C	
<b>Vapour density</b>				
Remarks	not determined			
<b>Density</b>				
Value	1			g/cm <sup>3</sup>
Temperature	25		°C	
<b>Solubility in water</b>				
Remarks	not determined			
<b>Solubility(ies)</b>				
Remarks	not determined			
<b>Partition coefficient: n-octanol/water</b>				
Remarks	not determined			
<b>Ignition temperature</b>				
Remarks	not determined			
<b>Decomposition temperature</b>				
Remarks	not determined			
<b>Viscosity</b>				
<b>dynamic</b>				
Value	4000	to	6000	mPa.s
Temperature	25		°C	
<b>kinematic</b>				
Value	4000	to	6000	mm <sup>2</sup> /s
Temperature	23		°C	
<b>Explosive properties</b>				
evaluation	not determined			
<b>Oxidising properties</b>				
Remarks	not determined			

**9.2. Other information****Other information**

None known

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

No hazardous reactions when stored and handled according to prescribed instructions.

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**10.2. Chemical stability**

No hazardous reactions known.

**10.3. Possibility of hazardous reactions**

No hazardous reactions known.

**10.4. Conditions to avoid**

No hazardous reactions known.

**10.5. Incompatible materials**

None known

**10.6. Hazardous decomposition products**

Irritant gases/vapours

**SECTION 11: Toxicological information**

**11.1. Information on toxicological effects**

**Acute oral toxicity**

ATE 5.689,65 mg/kg  
52

Method calculated value according to GHS (e.g see UN GHS)

**Acute oral toxicity (Components)**

**Methacrylic acid**

Species rat  
LD50 1320 mg/kg

**Methyl-methacrylate**

Species rat  
LD50 7872 mg/kg

**Acute dermal toxicity**

ATE 5.000 mg/kg  
Method calculated value according to GHS (e.g see UN GHS)

**Acute dermal toxicity (Components)**

**Methacrylic acid**

Species rabbit  
LD50 500 to 1000 mg/kg

**Methyl-methacrylate**

Species rabbit  
LC50 > 5000 mg/kg

**Acute inhalational toxicity**

Remarks not determined

**Acute inhalative toxicity (Components)**

**Methacrylic acid**

Species rat  
LC50 7,1 mg/l  
Duration of exposure 4 h

**Methyl-methacrylate**

Species rat  
LC50 78000 mg/m<sup>3</sup>  
Duration of exposure 4 h

**Skin corrosion/irritation**

Remarks not determined

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**Serious eye damage/irritation**

Remarks not determined

**Sensitization**

Remarks not determined

**Sensitization (Components)****Methacrylic acid**

Route of exposure	dermal
Species	guinea pig
evaluation	non-sensitizing

**Methyl-methacrylate**

evaluation sensitizing

**Subacute, subchronic, chronic toxicity**

Remarks not determined

**Mutagenicity**

Remarks not determined

**Reproductive toxicity**

Remarks not determined

**Carcinogenicity**

Remarks not determined

**Specific Target Organ Toxicity (STOT)**

Remarks not determined

**Experience in practice**

Inhalation may lead to irritation of the respiratory tract.

**Other information**

No toxicological data are available.

**SECTION 12: Ecological information****12.1. Toxicity****General information**

not determined

**Fish toxicity (Components)****Methacrylic acid**

Species	rainbow trout ( <i>Oncorhynchus mykiss</i> )
LC50	85 mg/l
Duration of exposure	96 h

**Methyl-methacrylate**

Species	Fathead minnow ( <i>Pimephales promelas</i> )
LC50	125,5 to 275,0 mg/l
Duration of exposure	96 h

**Daphnia toxicity (Components)****Methacrylic acid**

Species	Daphnia magna
EC50	> 130 mg/l
Duration of exposure	48 h

**Methacrylic acid**

Species	Daphnia magna
NOEC	53 mg/l



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### Methyl-methacrylate

Species	Daphnia magna	
EC50	720	mg/l

### Algae toxicity (Components)

#### Methacrylic acid

Species	Selenastrum capricornutum	
EC50	45	mg/l
Duration of exposure	72	h

#### Methacrylic acid

Species	Selenastrum capricornutum	
NOEC	8,2	mg/l
Duration of exposure	72	h

### Methyl-methacrylate

Species	Algae	
EC50	170	mg/l
Duration of exposure	96	h

## 12.2. Persistence and degradability

### General information

not determined

## 12.3. Bioaccumulative potential

### General information

not determined

### Partition coefficient: n-octanol/water

Remarks not determined

## 12.4. Mobility in soil

### General information

not determined

## 12.5. Results of PBT and vPvB assessment

### General information

not determined

## 12.6. Other adverse effects

### General information

not determined

### General information / ecology

Do not allow to enter soil, waterways or waste water canal. Avoid release into the atmosphere.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal recommendations for the product

EWC waste code	08 04 09*	waste adhesives and sealants containing organic solvents or other dangerous substances
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Dispose of waste according to applicable legislation.

#### Disposal recommendations for packaging

EWC waste code	15 01 10*	packaging containing residues of or contaminated by dangerous substances
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Packaging that cannot be cleaned should be disposed off in agreement with the regional waste disposal

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company.

**SECTION 14: Transport information**

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
Tunnel restriction code	E		
EmS		F-E, S-D	
14.1. UN number	1133	1133	1133
14.2. UN proper shipping name	ADHESIVES (Methyl-methacrylate, Methacrylic acid)	ADHESIVES (Methyl-methacrylate, Methacrylic acid)	ADHESIVES
14.3. Transport hazard class(es)	3	3	3
Label			
14.4. Packing group	III	III	III
Remarks	The product is viscous; packing group III in containers with not more than 450 ltrs.	The product is viscous; packing group III in containers with not more than 450 ltrs.	The product is viscous; packing group III in containers with not more than 450 ltrs.
Limited Quantity	5 l		
Transport category	3		

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Water Hazard Class (Germany)**

Water Hazard Class (Germany) WGK 2

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

**Verordnung brennbare Flüssigkeiten (VbF)**

VbF: A I

**VOC**

VOC (EU) 0 % 0 g/l

**15.2. Chemical safety assessment**

For this preparation a chemical safety assessment has not been carried out.

**SECTION 16: Other information****Hazard statements listed in Chapter 3**

H225 Highly flammable liquid and vapour.

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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.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

**CLP categories listed in Chapter 3**

Acute Tox. 4	Acute toxicity, Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic, Category 3
Eye Dam. 1	Serious eye damage, Category 1
Eye Irrit. 2	Eye irritation, Category 2
Flam. Liq. 2	Flammable liquid, Category 2
Skin Corr. 1A	Skin corrosion, Category 1A
Skin Irrit. 2	Skin irritation, Category 2
Skin Sens. 1	Skin sensitization, Category 1
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

**Department issuing safety data sheet**

Department product safety

**Supplemental information**

Relevant changes compared with the previous version of the safety data sheet are marked with: \*\*\*  
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.