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

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

Adhesives, sealants

Uses advised against

No information available.

1.3. Details of the supplier of the safety data sheet

Company name:	PMA/TOOLS AG	
Street:	Siemensring 42	
Place:	47877 Willich	
Telephone:	+49 2154 922230	Telefax: +49 2154 922255
e-mail:	info@pma-tools.de	
Contact person:	Michael Münter	
e-mail:	msds@pma-tools.de	- Please DO NOT use for requesting Safety Data Sheets.
Internet:	www.pma-tools.de	
Responsible Department:	Laboratory	

1.4. Emergency telephone number: Telephone number of the company in case of emergencies:
+49 2154 922230 (Mon - Fri 8.00h - 17.00h)**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2. Label elements**Hazard components for labelling**

For this product, a hazard label is not required according to section 1.3.4 of Annex I of the CLP regulation.

2.3. Other hazardsThe substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.
In use, may form flammable/explosive vapour-air mixture.**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

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Further Information

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SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Never give anything by mouth to an unconscious person or a person with cramps.

After inhalation

No special measures are necessary.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately. In case of skin irritation, consult a physician.

After contact with eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of eye irritation consult an ophthalmologist.

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

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

After eye contact: Causes eye irritation.

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

not determined

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SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**Carbon dioxide (CO₂), Foam**Unsuitable extinguishing media**

Dry extinguishing powder, High power water jet

5.2. Special hazards arising from the substance or mixtureIn case of fire may be liberated: Carbon dioxide (CO₂), Pyrolysis products, toxic
Explosion risk in case of fire.**5.3. Advice for firefighters**

Do not inhale explosion and combustion gases.

Wear a self-contained breathing apparatus and chemical protective clothing.

Use water spray jet to protect personnel and to cool endangered containers. Do not allow run-off from fire-fighting to enter drains or water courses.

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

Ventilate affected area.

Remove all sources of ignition.

Avoid contact with eyes and skin.

Special danger of slipping by leaking/spilling product.

6.2. Environmental precautions

Stop leak if safe to do so. Collect spillage. Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

Explosive.

6.3. Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal. Do not keep the container sealed. Clear contaminated areas thoroughly. Wash with plenty of water.

6.4. Reference to other sections

SECTION 13: Disposal considerations

Personal protection equipment: see section 8

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

Provide adequate ventilation. Keep away from sources of ignition - No smoking. Avoid contact with eyes and skin. Do not eat, drink or smoke when using this product. See information supplied by the manufacturer.

Further information on handling

Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and after work. Contaminated work clothing should not be allowed out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

at room temperature Keep/Store only in original container. Keep container in a well-ventilated place. Do not keep the container sealed. Handle and open container with care.

Suitable container/equipment material: Steel, stove-enameled, Polyethylene, Polypropylen

Unsuitable container/equipment material: Metal

Advice on storage compatibility

Do not store together with: Oxidising agent, Etchant and acids, Alkali (lye)

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Additional advice on limit values**

Does not contain substances above concentration limits fixing an occupational exposure limit.

8.2. Exposure controls

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Appropriate engineering controls

Provide adequate ventilation.

Protective and hygiene measures

Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and after work. Contaminated work clothing should not be allowed out of the workplace.

Eye/face protection

Wear eye protection/face protection. (DIN EN 166)

Hand protection

Wear suitable gloves. (DIN EN 374) rubber gloves., PVC (Polyvinyl chloride), NBR (Nitrile rubber)

Skin protection

Wear suitable protective clothing.

Respiratory protection

Usually no personal respirative protection necessary.

Environmental exposure controls

No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	liquid, viscous	
Colour:	transparent	
Odour:	odourless	
		Test method
pH-Value:		not applicable
Changes in the physical state		
Melting point:		not determined
Initial boiling point and boiling range:		not applicable
Flash point:		> 200 °C
Flammability		
Solid:		not determined
Gas:		not determined
Explosive properties		
		not determined
Lower explosion limits:		4 vol. %
Upper explosion limits:		74 vol. %
Auto-ignition temperature		400 °C
Solid:		not determined
Gas:		not determined
Decomposition temperature:		not determined
Oxidizing properties		
		not determined
Vapour pressure:		not determined
Density (at 20 °C):		1,00 g/cm ³
Bulk density:		not determined
Water solubility:	The study does not need to be conducted because the substance is known to be insoluble in water	
Solubility in other solvents		
	Soluble in hydrocarbons. Alcohol, Ether	
Partition coefficient:		not determined
Viscosity / dynamic: (at 25 °C)		1000 mPa·s
Vapour density:		not determined
Evaporation rate:		not determined
Solvent content:		not determined
9.2. Other information		
Solid content:		not determined

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Surface tension not determined

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

No information available.

10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Product may release hydrogen gas. Increased storage temperatures will accelerate this process.

10.4. Conditions to avoid

SECTION 7: Handling and storage

10.5. Incompatible materials

SECTION 7: Handling and storage

Oxidising agent, strong, Etchant and acids, Alkali (lye)

Keep only in the original container in a cool, well-ventilated place away from metal salts.

10.6. Hazardous decomposition products

SECTION 5: Firefighting measures

Thermal decomposition can lead to the escape of irritating gases and vapours.

Product may release hydrogen gas. Increased storage temperatures will accelerate this process. (< 3 L/kg).

Explosive.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

Based on available data, the classification criteria are not met.

Irritation and corrosivity

Based on available data, the classification criteria are not met.

Sensitising effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-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**

There are no data available on the mixture itself.

12.2. Persistence and degradability

There are no data available on the mixture itself.

12.3. Bioaccumulative potential

There are no data available on the mixture itself.

12.4. Mobility in soil

There are no data available on the mixture itself.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Advice on disposal**

These codes are assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use.

Dispose of waste according to applicable legislation. Delivery to an approved waste disposal company.

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Waste disposal number of waste from residues/unused products

070217 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of plastics, synthetic rubber and man-made fibres; waste containing silicones other than those mentioned in 07 02 16

Waste disposal number of contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

Contaminated packaging

Non-contaminated packages may be recycled.

Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information**Land transport (ADR/RID)**

14.1. UN number: not applicable

14.2. UN proper shipping name: not applicable

14.3. Transport hazard class(es): not applicable

14.4. Packing group: not applicable

Other applicable information (land transport)

No dangerous good in sense of these transport regulations.

Inland waterways transport (ADN)

14.1. UN number: not applicable

14.2. UN proper shipping name: not applicable

14.3. Transport hazard class(es): not applicable

14.4. Packing group: not applicable

Other applicable information (inland waterways transport)

No dangerous good in sense of these transport regulations.

Marine transport (IMDG)

14.1. UN number: not applicable

14.2. UN proper shipping name: not applicable

14.3. Transport hazard class(es): not applicable

14.4. Packing group: --

Other applicable information (marine transport)

No dangerous good in sense of these transport regulations.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: not applicable

14.2. UN proper shipping name: not applicable

14.3. Transport hazard class(es): not applicable

14.4. Packing group: --

Other applicable information (air transport)

No dangerous good in sense of these transport regulations.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

No special measures are necessary.

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

No dangerous good in sense of these transport regulations.

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

2010/75/EU (VOC): 3 %

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

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15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Abbreviations and acronyms**

ADN: Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways).
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road).
CAS: Chemical Abstracts Service
CLP: Classification, Labelling and Packaging of substances and mixtures (REGULATION (EC) No 1272/2008)
DIN: Deutsches Institut für Normung (German institute for standardization)
DMEL: Derived Minimum Effect Level
DNEL: Derived No Effect Level
EC: European Community
EG: Europäische Gemeinschaft (European Community)
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
EN: European Norms
GHS: Globally Harmonized System of Classification and Labelling of Chemicals
IATA: International Air Transport Association
IATA-DGR: International Air Transport Association - Dangerous Goods Regulations
IBC: Intermediate Bulk Container
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG: International Maritime Code for Dangerous Goods
LC50: Lethal concentration, 50%
LD50: Lethal dose, 50%
MARPOL: International Convention for the Prevention of Marine Pollution from Ships
PBT: persistent, bioaccumulative and toxic
PNEC: Predicted No Effect Concentration
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006)
RID: Règlement concernant le transport International ferroviaire de marchandises Dangereuses (Regulation concerning the International Carriage of Dangerous Goods by Rail).
UN: Untited Nations
VOC: Volatile organic compounds
vPvB: very persistent and very bioaccumulative
WKG Wassergefährdungsklasse (water hazard class)

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)