

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1 Product identifier****MD-Rohrgewindedichtung 675.577**  
**Article number: MRG.675.577****1.2 Relevant identified uses of the substance or mixture and uses advised against****1.2.1 Relevant uses**Adhesive  
Sealing material**1.2.2 Uses advised against**

None known.

**1.3 Details of the supplier of the safety data sheet****Company** Marston Domsel GmbH  
Bergheimer Str. 15  
53909 Zülpich / GERMANY  
Phone 0 22 52 / 94 15 - 0  
Fax 0 22 52 / 17 44  
Homepage [www.marston-domsel.de](http://www.marston-domsel.de)  
E-mail [info@marston-domsel.de](mailto:info@marston-domsel.de)**Address enquiries to****Technical information** [info@marston-domsel.de](mailto:info@marston-domsel.de)**Safety Data Sheet** [sdb@chemiebuero.de](mailto:sdb@chemiebuero.de)**1.4 Emergency telephone number****Advisory body** +49 (0)89-19240 (24h) (english)**SECTION 2: Hazards identification****2.1 Classification of the substance or mixture**Skin Irrit. 2: H315 Causes skin irritation.  
Eye Irrit. 2: H319 Causes serious eye irritation.  
Skin Sens. 1: H317 May cause an allergic skin reaction.  
STOT SE 3: H335 May cause respiratory irritation.



## 2.2 Label elements

### Hazard pictograms



The product is required to be labelled in accordance with regulation (EC) No 1272/2008 (CLP).

### Signal word

WARNING

### Contains:

2-Hydroxyethyl methacrylate

Cumene hydroperoxide

2'-Phenylacetohydrazide

2,2'-Ethylenedioxydiethyl dimethacrylate

### Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H335 May cause respiratory irritation.

### Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

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

P280 Wear protective gloves / eye protection / face protection.

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

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

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

P405 Store locked up.

P501 Dispose of contents/container to in accordance with local/regional/national/international regulation.

## 2.3 Other hazards

### Other hazards

Further hazards were not determined with the current level of knowledge.

## SECTION 3: Composition / Information on ingredients

### Product-type:

The product is a mixture.

Range [%]	Substance
30 - 50	2,2'-Ethylenedioxydiethyl dimethacrylate
	CAS: 109-16-0, EINECS/ELINCS: 203-652-6
	GHS/CLP: Skin Sens. 1: H317
9 - 16	2-Hydroxyethyl methacrylate
	CAS: 868-77-9, EINECS/ELINCS: 212-782-2, EU-INDEX: 607-124-00-X
	GHS/CLP: Eye Irrit. 2: H319 - Skin Sens. 1: H317 - Skin Irrit. 2: H315
< 2	Cumene hydroperoxide
	CAS: 80-15-9, EINECS/ELINCS: 201-254-7, EU-INDEX: 617-002-00-8
	GHS/CLP: Org. Perox. E: H242 - Acute Tox. 3: H331 - Acute Tox. 4: H302 H312 - STOT RE 2: H373 - Skin Corr. 1B: H314 - Aquatic Chronic 2: H411 - STOT SE 3: H335
≤ 0,1	2'-Phenylacetohydrazide
	CAS: 114-83-0, EINECS/ELINCS: 204-055-3
	GHS/CLP: Acute Tox. 3: H301 - Skin Irrit. 2: H315 - Skin Sens. 1: H317 - Eye Irrit. 2: H319 - STOT SE 3: H335

### Comment on component parts

Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%. For full text of H-statements: see SECTION 16.

**SECTION 4: First aid measures****4.1 Description of first aid measures**

<b>General information</b>	Change soaked clothing.
<b>Inhalation</b>	Ensure supply of fresh air.
<b>Skin contact</b>	In case of contact with skin wash off immediately with plenty of water. Consult a doctor if skin irritation persists.
<b>Eye contact</b>	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>	Get medical advice. Do not induce vomiting. Rinse out mouth and give plenty of water to drink.

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

Irritant effects

**4.3 Indication of any immediate medical attention and special treatment needed**Treat symptomatically.  
Forward this sheet to the doctor.**SECTION 5: Fire-fighting measures****5.1 Extinguishing media**

<b>Suitable extinguishing media</b>	foam, dry powder, water spray jet, carbon dioxide
<b>Extinguishing media that must not be used</b>	Full water jet.

**5.2 Special hazards arising from the substance or mixture**Nitrogen oxides (NO<sub>x</sub>).  
Risk of formation of toxic pyrolysis products.  
Carbon monoxide (CO)**5.3 Advice for firefighters**Use self-contained breathing apparatus.  
Wear full protective suit.  
Collect contaminated firefighting water separately, must not be discharged into the drains.  
Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**Ensure adequate ventilation.  
Use personal protective clothing.**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.**6.3 Methods and material for containment and cleaning up**Take up mechanically.  
Dispose of absorbed material in accordance within the regulations.**6.4 Reference to other sections**

See SECTION 8+13

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

Use only in well-ventilated areas.  
Open and handle container with care.  
Keep away from sources of ignition - refrain from smoking.  
Contaminated work clothing should not be allowed out of the workplace.  
Do not eat, drink or smoke when using this product.  
Wash hands before breaks and after work.  
Use barrier skin cream.  
Take off contaminated clothing and wash before reuse.

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

Keep only in original container.  
Do not store together with oxidizing agents.  
Do not store together with acids.  
Keep container in a well-ventilated place.  
Keep container tightly closed.  
Store in a dry place.  
Recommended storage temperature: <25 °C.  
Protect from sun.

**7.3 Specific end use(s)**

See product use, SECTION 1.2

**SECTION 8: Exposure controls / personal protection****8.1 Control parameters****Ingredients with occupational exposure limits to be monitored (GB)**

not applicable

**8.2 Exposure controls****Additional advice on system design**

Ensure adequate ventilation on workstation.  
Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.

**Eye protection**

Safety glasses. (EN 166:2001)

**Hand protection**

The details concerned are recommendations. Please contact the glove supplier for further information.  
In full contact:  
> 0,4 mm/ Butyl rubber, >480 min (EN 374-1/-2/-3).  
In splash contact:  
> 0,4 mm/ Nitrile rubber, >480 min (EN 374-1/-2/-3).

**Skin protection**

Alkali-resistant protective clothing.

**Other**

Avoid contact with eyes and skin.  
Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.

**Respiratory protection**

Breathing apparatus in the event of aerosol or mist formation.  
Short term: filter apparatus, filter A. (DIN EN 14387)

**Thermal hazards**

not applicable

**Delimitation and monitoring of the environmental exposition**

See SECTION 6+7.

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

Form	pasty
Color	various
Odor	characteristic
Odour threshold	not determined
pH-value	3-4
pH-value [1%]	not applicable
Boiling point [°C]	not determined not determined
Flash point [°C]	>93
Flammability (solid, gas) [°C]	not determined
Lower explosion limit	not applicable
Upper explosion limit	not applicable
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	not determined
Density [g/ml]	1,0 - 1,1
Bulk density [kg/m <sup>3</sup> ]	not applicable
Solubility in water	partially soluble
Partition coefficient [n-octanol/water]	not determined
Viscosity	60.000 - 90.000 mPas (25°C)
Relative vapour density determined in air	not determined
Evaporation speed	not determined
Melting point [°C]	not determined
Autoignition temperature [°C]	not determined
Decomposition temperature [°C]	not determined

**9.2 Other information**

Temperature resistance: &lt;150°C °C

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

See SECTION 10.3.

**10.2 Chemical stability**

Stable under normal ambient conditions (ambient temperature).

**10.3 Possibility of hazardous reactions**Reactions with strong oxidizing agents and strong acids.  
Polymerization may occur at elevated temperature.**10.4 Conditions to avoid**See SECTION 7.2.  
Strong heating.**10.5 Incompatible materials**

Various metals.

**10.6 Hazardous decomposition products**

Irritant gases/vapours.

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

Product
inhalative, Based on the available information, the classification criteria are not fulfilled.:
dermal, Based on the available information, the classification criteria are not fulfilled.:
ATE-mix, oral, > 2000 mg/kg bw.
Substance
Cumene hydroperoxide, CAS: 80-15-9
LD50, oral, Rat: 382 mg/kg (IUCLID).
LC50, inhalative, Rat: 1,37 mg/l/4h (GESTIS).
LC50, inhalative, Rat: 220 ppm/4h (IUCLID).
LDLo, dermal, Rat: 500 mg/kg (IUCLID).
2,2'-Ethylenedioxydiethyl dimethacrylate, CAS: 109-16-0
LD50, oral, Rat: > 2000 mg/kg (Lit.).
2-Hydroxyethyl methacrylate, CAS: 868-77-9
LD50, dermal, Rabbit: > 5000 mg/kg (Lit.).
LD50, oral, Rat: 5050 mg/kg (GESTIS).
2'-Phenylacetohydrazide, CAS: 114-83-0
ATE, oral, 100 mg/kg.

<b>Serious eye damage/irritation</b>	Toxicological data of complete product are not available. Irritant Calculation method
<b>Skin corrosion/irritation</b>	Toxicological data of complete product are not available. Irritant Calculation method
<b>Respiratory or skin sensitisation</b>	Toxicological data of complete product are not available. May produce an allergic reaction. May cause an allergic skin reaction. Calculation method
<b>Specific target organ toxicity — single exposure</b>	Toxicological data of complete product are not available. May cause respiratory irritation. Calculation method
<b>Specific target organ toxicity — repeated exposure</b>	Based on the available information, the classification criteria are not fulfilled.
<b>Mutagenicity</b>	Based on the available information, the classification criteria are not fulfilled.
<b>Reproduction toxicity</b>	Based on the available information, the classification criteria are not fulfilled.
<b>Carcinogenicity</b>	Based on the available information, the classification criteria are not fulfilled.
<b>Aspiration hazard</b>	Based on the available information, the classification criteria are not fulfilled.
<b>General remarks</b>	Toxicological data of complete product are not available. The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists.

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

Product
Based on the available information, the classification criteria are not fulfilled.:
Substance
Cumene hydroperoxide, CAS: 80-15-9
LC50, (48h), Leuciscus idus: 17 mg/l (IUCLID).
LC50, (96h), Oncorhynchus mykiss: 3,9 mg/l (IUCLID).
EC50, (24h), Daphnia magna: 7 mg/l (IUCLID).
EC10, Pseudomonas putida: 103 mg/l/18h (IUCLID).
2-Hydroxyethyl methacrylate, CAS: 868-77-9
LC50, (96h), Oryzias latipes: > 100 mg/l (Lit. OECD 203).
LC50, (96h), fish: 227 mg/l (GESTIS).
EC50, (72h), Selenastrum capricornutum: 836 mg/l (Lit. OECD 201).
EC50, (48h), Daphnia magna: 380 mg/l (Lit. OECD 202).

**12.2 Persistence and degradability**

<b>Behaviour in environment compartments</b>	not determined
<b>Behaviour in sewage plant</b>	not applicable
<b>Biological degradability</b>	not applicable

**12.3 Bioaccumulative potential**

No information available.

**12.4 Mobility in soil**

No information available.

**12.5 Results of PBT and vPvB assessment**

No information available.

**12.6 Other adverse effects**

Ecological data of complete product are not available.  
Do not discharge product unmonitored into the environment or into the drainage.

**SECTION 13: Disposal considerations****13.1 Waste treatment methods**

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

**Product**

Dispose of as hazardous waste.

**Waste no. (recommended)**

080409\*

**Contaminated packaging**

Untaminated packaging may be taken for recycling.  
Packaging that cannot be cleaned should be disposed of as for product.

**Waste no. (recommended)**

150110\*

**SECTION 14: Transport information****14.1 UN number**

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

**14.2 UN proper shipping name**

Transport by land according to ADR/RID NO DANGEROUS GOODS

Inland navigation (ADN) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

**14.3 Transport hazard class(es)**

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

**14.4 Packing group**

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable



**14.5 Environmental hazards**

Transport by land according to ADR/RID no

Inland navigation (ADN) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

**14.6 Special precautions for user**

Relevant information under SECTION 6 to 8.

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

not applicable

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

**EEC-REGULATIONS** 1991/689 (2001/118); 2010/75; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008; 75/324/EEC (2008/47/EC); 453/2010/EC; (EU) 2015/830

**TRANSPORT-REGULATIONS** DOT-Classification, ADR (2015); IMDG-Code (2015, 37. Amdt.); IATA-DGR (2016).

**NATIONAL REGULATIONS (GB):** EH40/2005 Workplace exposure limits (Second edition, published December 2011). CHIP 3/ CHIP 4

- **Observe employment restrictions for people** Observe employment restrictions for young people.  
Observe employment restrictions for mothers-to-be and nursing mothers.

- **VOC (2010/75/CE)** not applicable

**15.2 Chemical safety assessment**

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

**SECTION 16: Other information****16.1 Hazard statements (SECTION 03)**

H301 Toxic if swallowed.  
H335 May cause respiratory irritation.  
H411 Toxic to aquatic life with long lasting effects.  
H314 Causes severe skin burns and eye damage.  
H373 May cause damage to organs through prolonged or repeated exposure.  
H302+H312 Harmful if swallowed or in contact with skin.  
H331 Toxic if inhaled.  
H242 Heating may cause a fire.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H319 Causes serious eye irritation.

**16.2 Abbreviations and acronyms:**

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route  
 RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses  
 ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure  
 CAS = Chemical Abstracts Service  
 CLP = Classification, Labelling and Packaging  
 DMEL = Derived Minimum Effect Level  
 DNEL = Derived No Effect Level  
 EC50 = Median effective concentration  
 ECB = European Chemicals Bureau  
 EEC = European Economic Community  
 EINECS = European Inventory of Existing Commercial Chemical Substances  
 ELINCS = European List of Notified Chemical Substances  
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
 IATA = International Air Transport Association  
 IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk  
 IC50 = Inhibition concentration, 50%  
 IMDG = International Maritime Code for Dangerous Goods  
 IUCLID = International Uniform Chemical Information Database  
 LC50 = Lethal concentration, 50%  
 LD50 = Median lethal dose  
 MARPOL = International Convention for the Prevention of Marine Pollution from Ships  
 PBT = Persistent, Bioaccumulative and Toxic substance  
 PNEC = Predicted No-Effect Concentration  
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals  
 TLV®/TWA = Threshold limit value – time-weighted average  
 TLV®/STEL = Threshold limit value – short-time exposure limit  
 VOC = Volatile Organic Compounds  
 vPvB = very Persistent and very Bioaccumulative

**16.3 Other information****Classification procedure**

Skin Irrit. 2: H315 Causes skin irritation. (Calculation method)  
 Eye Irrit. 2: H319 Causes serious eye irritation. (Calculation method)  
 Skin Sens. 1: H317 May cause an allergic skin reaction. (Calculation method)  
 STOT SE 3: H335 May cause respiratory irritation. (Calculation method)

**Modified position**

SECTION 16 been added: GENERAL REVIEW [CLP; REACH-(EU) 2015/830]

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