

# maldaner

## IMPRÄGNIER-SYSTEME

### Safety Data Sheet

in Accordance with (EU) No 2015/830

Revision-No.: 0  
Date of issue : 17.08.2017  
Last change : -

Page: 1 / 6

### IM3000


Changes are characterized by a marginal vertical line

This sheet supersedes the one dated: -

## Section 1: Identification of the substance/mixture and of the company/undertaking

1.1	<b>Product Data</b>	
	Trade name	IM3000
	Article No	n.av.
	Preparation No	n.av.
	Registration No	n.av.
1.2	<b>Relevant identified uses of the substance or mixture and uses advised against</b>	Impregnation resin to seal porous cast parts
1.3	<b>Details of the supplier of the safety data sheet</b>	
1.3.1	Address of the Company / Supplier	Maldaner GmbH Max-Planck-Ring 3 40764 Langenfeld Germany www.maldaner.de +49 2173 984990 +49 2173 74912
	Telephone	+49 2173 984990
	Fax	+49 2173 74912
	Respondent	+49 2173 49985-12
1.4	<b>Emergency telephone number Information Centre Specialising in Symptoms of Poisoning</b>	+49 2173 49985-12 +44 870 600 6266

## Section 2: Hazards identification

2.1	<b>Classification of the substance or mixture</b>	
	<b>Classification and labelling according to Directive 1272/2008/EC:</b>	Skin Irrit. 2 / Eye Irrit. 2 / Skin Sens. 1
	<b>Classification and labelling according to Directive 67/548/EEC / 1999/45/EC:</b>	Irritant / Sensitizing
2.2	<b>Label elements</b>	Classification according to 1272/2008/EC: Yes. Applicable Exemptions : No. Signal word(s) : Warning Component(s) : contains Propylidynetrimethanol, ethoxylated, esters with acrylic acid Hazard pictogram(s) : 
	<b>H -Phrases</b>	H 317: May cause an allergic skin reaction. H 319: Causes serious eye irritation.
	<b>P -Phrases</b>	P 262: Do not get in eyes, on skin, or on clothing. P 305+ P 351+ P 338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P 280: Wear protective gloves/protective clothing/eye protection/face protection. P 301 + P315: IF SWALLOWED Get immediate medical advice/attention. P 101: If medical advice is needed, have product container or label at hand. P 271: Use only outdoors or in a well-ventilated area. The above mentioned labelling is valid for distribution to industrial user.
	<b>Additional Markings</b>	
2.3	<b>Other hazards</b>	None

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### IM3000

Last change : -  
Changes are characterized by a marginal vertical line

Page: 2 / 6

This sheet supersedes the one dated: -

## Section 3: Composition/information on ingredients

3.1 **Substances**  
**Dangerous Ingredients** Preparation; Methacrylate/Acrylate resin

3.2 **Mixtures**  
**Chemical Characterisation**  
**Dangerous Ingredients**

EINECS-No.	REACH No.	Material	Content	Symbol	H-phrases
248-666-3	01-2119490226-37-0000	Hydroxypropylmethacrylate	75-95% w/w	GHS07	H317 H319
28961-43-5	01-2119489900-30-xxxx	ethoxylated Trimethylolpropanetriacrylate	5-15% w/w	GHS07	H317 H319

## Section 4: First aid measures

4.1 **Description of first aid measures**

4.1.1 **Inhalation** Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. If symptoms persist, call a physician.

4.1.2 **Skin Contact** Wash off immediately with soap and plenty of water. Take off all contaminated clothing immediately. In the case of skin irritation or allergic reactions see a physician.

4.1.3 **Eye Contact** Call a physician immediately. In case of eye contact, remove contact lens and rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Call a physician immediately. Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting.

4.1.4 **Ingestion** None known

4.2 **Most important symptoms and effects, both acute and delayed** None known

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

## Section 5: Firefighting measures

5.1 **Extinguishing media**  
5.1.1 **Suitable Extinguishing Media** Use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam.  
5.1.2 **Extinguishing Media to Avoid** High volume water jet.

5.2 **Special hazards arising from the substance or mixture** In the event of fire the following can be released:  
Carbon oxides, methacrylic acid.

5.3 **Advice for firefighters** Call a physician immediately. Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting.

5.3.1 **Special Protective Equipment** Wear positive pressure self-contained breathing apparatus. Wear full protective clothing.

5.3.2 **Additional Information** In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

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in Accordance with (EU) No 2015/830

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### IM3000

Last change : -  
Changes are characterized by a marginal vertical line

Page: 3 / 6

This sheet supersedes the one dated: -

#### Section 6: Accidental release measures

- |     |                                                                            |                                                                                                                                                                                                                                            |
|-----|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 6.1 | <b>Personal precautions, protective equipment and emergency procedures</b> | See chapter 8.2.2                                                                                                                                                                                                                          |
| 6.2 | <b>Environmental precautions</b>                                           | Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Prevent further leakage or spillage. Local authorities should be advised if significant spillages cannot be contained. |
| 6.3 | <b>Methods and material for containment and cleaning up</b>                | Allow to solidify, use mechanical handling equipment. Shovel into suitable container for disposal.                                                                                                                                         |
| 6.4 | <b>Reference to other sections</b>                                         | None.                                                                                                                                                                                                                                      |

#### Section 7: Handling and storage

- |       |                                                                     |                                                                                                                                                                                                                                                                                                                             |
|-------|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7.1   | <b>Precautions for safe handling</b>                                |                                                                                                                                                                                                                                                                                                                             |
| 7.1.1 | <b>Precautions for Safe Handling</b>                                | Avoid contact with the skin and the eyes. Remove and wash contaminated clothing before re-use. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.                                                                                                                 |
| 7.1.2 | <b>Precautions in Case of Fire (...)</b>                            | Keep away from sources of ignition - No smoking.                                                                                                                                                                                                                                                                            |
| 7.2   | <b>Conditions for safe storage, including any incompatibilities</b> | None.                                                                                                                                                                                                                                                                                                                       |
| 7.2.1 | <b>Storage Instructions</b>                                         | Ensure adequate ventilation. Keep away from heat and sources of ignition. Keep containers tightly closed in a cool, well-ventilated place.<br>Respect the advised storage time<br>not catalysed: below 35°C<br>catalysed: below 25°C                                                                                        |
| 7.2.2 | <b>Store away from</b>                                              | Do not store together with metals, peroxides, strong oxidizing agents, strong bases.                                                                                                                                                                                                                                        |
| 7.2.3 | <b>Further Information on Storage Conditions</b>                    | Make sure of the presence of air and inhibitor in the drums or containers. Do not overfill cans, drums or containers (max. 90%). Keep only in the original container at temperature not exceeding 35°C. Keep in tightly closed containers and keep container dry. Avoid direct sunlight, UV radiation and strong oxidizers. |
| 7.3   | <b>Specific end use(s)</b>                                          | n. av.                                                                                                                                                                                                                                                                                                                      |

#### Section 8: Exposure controls/personal protection

- |        |                                         |                                                                                                                                                                                                          |
|--------|-----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 8.1    | <b>Control parameters</b>               |                                                                                                                                                                                                          |
|        | <b>Material</b>                         | Limit Value                                                                                                                                                                                              |
| 8.2    | <b>Exposure controls</b>                |                                                                                                                                                                                                          |
| 8.2.1  | <b>Appropriate engineering controls</b> | Provide appropriate exhaust ventilation at machinery.                                                                                                                                                    |
| 8.2.2  | <b>Individual protection measures</b>   |                                                                                                                                                                                                          |
| 8.2.2a | <b>Respiratory Protection</b>           | In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. Breathing apparatus only if aerosol or dust is formed. Breathing apparatus with filter P2. |
| 8.2.2b | <b>Hand Protection</b>                  |                                                                                                                                                                                                          |



Protective gloves complying with EN 374. Butyl-rubber, 0,5 mm, break through time > 8h The data about break through time/strength of material are standard values! The exact break through time/strength of material has to be obtained from the producer of the protective glove.

### Safety Data Sheet

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### IM3000

Last change : -

Changes are characterized by a marginal vertical line

Page: 4 / 6

This sheet supersedes the one dated: -

#### 8.2.2c Eye Protection



Tightly fitting safety goggles

#### 8.2.2d Skin Protection



Protective suit

#### 8.2.2e Further Information

Remove dust, fly and finish residues through ventilation or vacuum cleaning.

#### 8.2.3 Environmental exposure controls

n. av.

## Section 9: Physical and chemical properties

9.1	<b>Information on basic physical and chemical properties</b>	
9.1.1	<b>Form</b>	liquid
9.1.2	<b>Colour</b>	colourless to slight yellow
9.1.3	<b>Melting Point</b>	-35°C
9.1.4	<b>Boiling Point</b>	>240°C at 1013mbar
9.1.5	<b>Ignition temperature</b>	>200°C
9.1.6.	<b>Explosion</b>	no danger of explosion
9.1.7	<b>Density</b>	1,040 g/ml ± 0,003 g/ml at 20°C
9.1.8	<b>Solubility in water</b>	107g/l at 20°C
9.1.9	<b>Solubility in organic solvents</b>	completely soluble in most organic solvents
9.1.10	<b>pH-Value</b>	6 - 7 10 g/l
9.1.11	<b>Viscosity</b>	16 mPas ± 1 mPas at 20 °C
9.2	<b>Other Information</b>	
9.2.1	<b>Thermal decomposition (°C)</b>	n. av.
9.2.2	<b>Vapour density (Air=1)</b>	n. av.

## Section 10: Stability and reactivity

10.1	<b>Reactivity</b>	Violent polymerisation can occur.
10.2	<b>Chemical stability</b>	Stable under recommended storage conditions.
10.3	<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
10.4	<b>Conditions to avoid</b>	Extremes of temperature and direct sunlight.
10.5	<b>Incompatible materials</b>	Incompatible with strong acids and bases. Incompatible with oxidizing agents. peroxides
10.6	<b>Hazardous decomposition products</b>	No decomposition if stored and applied as directed.
10.7	<b>Hazardous Polymerization</b>	Polymerization may occur with the development of strong heat.

## Section 11: Toxicological information

11.1	<b>Information on toxicological effects</b>	Violent polymerisation can occur.
11.1.1	<b>Acute Health Effects :</b>	Stable under recommended storage conditions.
	Inhalation, LC <sub>50</sub> rat, (mg/l/4h)	n.av.
	Ingestion, LD <sub>50</sub> rat, (mg/kg)	11200 (Hydroxypropylmethacrylate)
	Skin -contact, LD <sub>50</sub> rat, (mg/kg)	n.av.
	Irritation (to skin / eye)	Irritating to eyes and skin.
	Sensitisation	May cause sensitisation by skin contact.
11.1.2	<b>Subacute / Chronic Toxicity</b>	Extremes of temperature and direct sunlight.
	Carcinogenicity	n. av.
	Mutagenicity	n. av.
	Teratogenicity	n. av.
	Narcotic Effects	n. av.

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### IM3000

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Changes are characterized by a marginal vertical line

Page: 5 / 6

This sheet supersedes the one dated: -

11.1.3	<b>Practical Experience</b>	
	Observations relevant for classification	None
	Further Observations	None

### Section 12: Ecological information

12.1	<b>Toxicity</b>	Ecological injuries are not known or expected under normal use.
12.2	<b>Persistence and degradability</b>	Elimination by OECD-Screening-Test E301 of 70% after 28 days. Biological degradation scruple at 0,6% resin in water.
12.3	<b>Bioaccumulative potential</b>	No data is available on the product itself.
12.4	<b>Mobility in soil</b>	n. av.
12.5	<b>Results of PBT and vPvB assessment</b>	n. av.
12.6	<b>Other adverse effects</b>	
12.6.1	<b>COD-Value, mg/g</b>	n. av.
12.6.2	<b>BOD<sub>5</sub>-Value, mg/g :</b>	n .av.
12.6.3	<b>AOX-Remarks</b>	Not applicable
12.6.4	<b>Significant Components</b>	n. ap.
12.6.5	<b>Other adverse effects</b>	Fast degradable in wastewater plants

### Section 13: Disposal consideration

13.1	<b>Waste treatment methods</b>	
13.1.1	<b>Recommendation</b>	D 10 / R2
	<b>Waste -Code -No</b>	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
13.2	<b>Contaminated Packaging</b>	
13.2.1	<b>Recommendation</b>	Wash with suitable cleaner. Otherwise as described under residues. Send back empty containers.
13.2.2	<b>Safe Handling</b>	As described under Residues.

### Section 14: Transport information

14.1	<b>Land transport (Classification ADR and RID)</b>	Not a dangerous substance as defined in the above regulations.
	<b>Sea transport (Classification IMDG)</b>	Not a dangerous substance as defined in the above regulations.
	<b>Air transport (Classification IATA - DGR / ICAO - TI)</b>	Not a dangerous substance as defined in the above regulations.
14.2	<b>UN Number</b>	-
14.3	<b>UN proper shipping name</b>	-
14.4	<b>Transport hazard class(es)</b>	-
14.5	<b>Packing group</b>	-
14.6	<b>Environmental hazards</b>	-
14.7	<b>Special precautions for user</b>	-
	<b>Transport-category</b>	-
	<b>Classification Code</b>	
	<b>Hazard -No.</b>	
	<b>LQ</b>	
14.8	<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	-

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Page: 6 / 6

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#### Section 15: Regulatory information

15.1	<b>Safety, health and environmental regulations/legislation specific for the substance or mixture</b>	No data available.
15.2	<b>Chemical safety assessment</b>	None

#### Section 16: Other information

16.1	<b>Text of H phrases from section 3</b>	H 319 Causes serious eye irritation. H 317 May cause an allergic skin reaction.
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