

# Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH)



Article no.: 1273A  
Date of print: 1.07.2011

moglice 1000 Inj. resin (1273)  
Revision date: 9.06.2011

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## 1. Identification of the substance/ preparation and of the company/ undertaking

**Article no. (manufacturer / supplier):** 1273A  
**Identification of the substance or preparation:** moglice 1000 Inj. resin (1273)  
**Supplier (manufacturer/importer/downstream user/distributor):**  
Diamant Metallplastic GmbH  
Hontzlarstrasse 12 Telephone: +49/2166/9836-0  
41238 Mönchengladbach Telefax: +49/2166/83025  
**Dept. responsible for information:**  
Labor E-mail (competent person): hotline@diamant.ph  
Emergency telephone: +49/2166/9836-0  
Only available during office hours.

## 2. Hazards identification

### Hazard designation:



Xn Harmful

### Information pertaining to special dangers for human and environment

36/38 Irritating to eyes and skin.  
40 Limited evidence of a carcinogenic effect.  
43 May cause sensitization by skin contact.  
48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.  
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

## 3. Composition/ Information on ingredients

### chemical characterization (preparation)

**Description:** Epoxyresinmix + Fillers

### Hazardous ingredients:

EC No: CAS No.: INDEX no.:	Identification of the hazard: R phrases: REACH No:	danger symbol(s): Remark:	% by weight
500-033-5 25068-38-6 603-074-00-8	reaction product: bisphenol A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700) 36/38-43-51/53	Xi,N	10 - 25
231-072-3 7429-90-5 013-001-00-6	aluminium powder (pyrophoric) 15-17	F *	5 - 10
238-878-4 14808-60-7	Quarz SiO2 48/20	Xn	10 - 25
218-259-5 2095-06-9	Anilindiglycidylether 22-36/38-40-43	Xn	5 - 10
16096-31-4	1,6-Hexandioldiglycylether 36-38-43-52-53	Xi	0,5 - 2,5

### Additional information

\* Substance with a common (EC) occupational exposure limit value.Full text of R-phrases: see section 16.

## 4. First-aid measures

### General information:

In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness give nothing by mouth, place in unconscious position and seek medical advice.

### After inhalation::

Move victim to fresh air. Put victim at rest and keep warm. In case of irregular breathing or respiratory arrest provide artificial respiration.

### In case of skin contact:

Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap. Do not use solvents or thinners.

### In case of eye contact:

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IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical advice.

**After ingestion:**

If swallowed, rinse mouth with water (only if the person is conscious). Consult physician immediately. Keep victim calm. Do not induce vomiting.

## 5. Fire-fighting measures

**Suitable extinguishing media:**

alcohol resistant foam, Carbon dioxide, Powder, spray mist, (water)

**Extinguishing media which must not be used for safety reasons:**

Strong water jet

**Special exposure hazards arising from the substance or preparation itself, its combustion products or from resulting gases:**

Dense black smoke occurs during fire, Carbon monoxide. Inhaling hazardous decomposing products can cause serious health damage.

**Special protective equipment for firefighters:**

Provide a conveniently located respiratory protective device.

**Additional information:**

Cool closed containers that are near the source of the fire. Do not allow water used to extinguish fire to enter drains, ground or waterways. Treat runoff as hazardous.

## 6. Accidental release measures

**Personal precautions**

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours. See protective measures under point 7 and 8.

**Measures to protect the environment**

Do not allow to enter into surface water or drains. If the product contaminates lakes, rivers or sewages, inform competent authorities in accordance with local regulations.

**methods for cleaning up**

Isolate leaked material using non-flammable absorption agent (e.g. sand, earth, vermiculit, diatomaceous earth) and collect it for disposal in appropriate containers in accordance with the local regulations (see chapter 13). Clean using cleansing agents. Do not use solvents.

## 7. Handling and storage

People who suffer from skins problems, asthma, allergies, chronic or recurring respiratory illnesses must not be deployed in processes, which use this substance.

**Handling**

**Advices on safe handling**

Avoid formation of flammable and explosive vapour concentrations in the air and exceeding the exposure limit values. Only use the material in places where open light, fire and other flammable sources can be kept away. Electrical equipment must be protected meeting the accepted standard. Product may become electrostatically charged. Provide earthing of containers, equipment, pumps and ventilation facilities. Anti-static clothing including shoes are recommended. Floors must be electrically conductive. Keep away from heat sources, sparks and open flames. Use only spark proof tools. Avoid contact with skin, eyes and clothes. Do not inhale dusts, particulates and spray mist when using this preparation. Avoid respiration of swarf. When using do not eat, drink or smoke. Personal protective equipment: refer to chapter 8. Do not empty containers with pressure - no pressure vessel! Always keep in containers that correspond to the material of the original container. Follow the legal protection and safety regulations.

**Precautions against fire and explosion:**

Vapours are heavier than air and will spread at floor level. Vapours form explosive mixtures with air.

**Storage**

**Requirements for storerooms and containers:**

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

**hints on joint storage**

Keep away from strongly acidic and alkaline materials as well as oxidizers.

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## Further information on storage conditions

Take care of instructions on label. Store in a well-ventilated and dry room at temperatures between 15 °C and 30 °C. Protect from heat and direct sunlight. Keep container tightly closed. Remove all sources of ignition. Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks.

## 8. Exposure controls / Personal protection

### Technical measures to prevent exposure

Provide good ventilation. This can be achieved with local or room suction. If this should not be sufficient to keep aerosol and solvent vapour concentration below the exposure limit values, a suitable respiratory protection must be used.

### Components with occupational exposure limits resp. biological occupational exposure limits requiring monitoring:

EC No: CAS No.:	Description:	type:	Limit value		unit
			STEL (EC)	TWA (EC)	
231-072-3 7429-90-5	aluminium powder (pyrophoric)			4	mg/m3

### Additional information

Stated values are taken from the then applicable German TRGS 900 or the German VCI table for exposure limit values.

TWA (EC): Occupational exposure limit value

STEL (EC): Short term occupational exposure limit value

### Occupational exposure controls:

#### Respiratory protection:

If concentration of solvents is beyond the occupational exposure limit values, approved and suitable respiratory protection must be used. Use only respiratory protection equipment with CE-symbol including four digit test number.

#### Hand protection:

For prolonged or repeated handling the following glove material must be used: nitrile rubber or butyl rubber

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Recommended glove articles: DIN EN 374

Barrier creams can help protecting exposed skin areas. In no case should they be used after contact.

#### eye protection:

Wear closely fitting protective glasses in case of splashes.

#### Body protection:

Wear antistatic clothing of natural fibers (cotton) or heat resistant synthetic fibers.

#### Protective measures:

After contact clean skin thoroughly with water and soap oder use appropriate cleanser. Do not use any organic solvents.

## 9. Physical and chemical properties

### Appearance:

Physical state: pasty

Paint: as labeled

Odour: characteristic

Safety relevant basis data	unit	Method	Remark:
Flash point:	135 °C	DIN 53213	
Ignition temperature (AIT):	110 °C		
lower explosion limit:	not applicable	Vol-%	
Upper explosion limit:	not applicable	Vol-%	
Vapour pressure at 20 °C:		mbar	
density at 20 °C:	2,039	g/cm³	
Water solubility (g/l):	insoluble		
pH at 20 °C:	-		
Viscosity at °C	Pastös		
Solvent separation test (%):	< 3	%	
Solid content (%):	100	% by weight	
solvent content:			
Organic solvents::	0	% by weight	
Water:	0	% by weight	

## 10. Stability and reactivity

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## Conditions to avoid

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to chapter 7. Hazardous decomposition byproducts may form with exposure to high temperatures.

## Materials to avoid

Keep away from strong acids, strong bases and strong oxidizing agents to avoid exothermic reactions.

## Hazardous decomposition products

Hazardous decomposition byproducts may form with exposure to high temperatures, e.g.: carbon dioxide, carbon monoxide, smoke, nitrogen oxides.

## 11. Toxicological information

### Practical experience

Other observations:

Inhaling of solvent components above the MWC-value can lead to health damage, e.g. irritation of the mucous membrane and respiratory organs, as well as damage to the liver, kidneys and the central nerve system. Indications for this are: headache, dizziness, fatigue, amyosthenia, dizziness, in serious cases: unconsciousness. Solvents may cause some of the aforementioned effects through skin resorption. Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and/or absorption through skin. Splashing may cause eye irritation and reversible damage.

### Overall Assessment on CMR properties:

The components in this formulation do not meet the criteria for classification as CMR category 1 or 2.

There is no information available on the preparation itself. The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified according to the toxicological dangers. See chapters 2 and 15 for details.

## 12. Ecological information

### Overall evaluation:

There is no information available on the preparation itself.  
Do not allow to enter into surface water or drains.

### Results of PBT assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is classified for eco-toxicological properties accordingly. See Sections 2 and 15 for details.

## 13. Disposal considerations

### Appropriate disposal / Product

#### Recommendation:

Do not allow to enter into surface water or drains. This material and its container must be disposed of in a safe way. Waste disposal according to EC directives 75/442/EEC and 91/689/EEC in the corresponding versions, covering waste and dangerous waste.

#### Control report for waste code/ waste marking according to EAKV:

080111 waste paint and varnish containing organic solvents or other dangerous substances

### Contaminated packaging:

#### Recommendation:

Cleaned containers may be recycled. Vessels not properly emptied are special waste.

## 14. Transport information

Transport according to ADR/RID, IMDG and ICAO/IATA.

### Land transport (ADR/RID)

Class:	not a dangerous good
Hazard label:	not applicable
UN-No.:	not applicable
Hazard identification number (Kemler No.):	not applicable
Proper Shipping Name	
Packing Group:	not applicable

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Tunnel restriction code: -

## Sea transport (IMDG)

Class: not applicable  
Hazard label: not applicable  
EmS-No.: not applicable  
UN-No.: not applicable  
Proper Shipping Name  
Packing Group: not applicable  
Marine pollutant: not applicable

## Air transport (ICAO-TI / IATA-DGR)

Class: not applicable  
UN-No.: not applicable  
Packing Group: not applicable

## 15. Regulatory information

### EU legislation

#### Chemical Safety Assessment

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

#### Labelling (67/548/EEC or 1999/45/EC)

#### Danger symbol(s) and danger term(s) for dangerous materials and preparations:



Xn Harmful

#### Contains:

Quarz SiO<sub>2</sub>  
Anilindiglycidylether  
reaction product: bisphenol A-(epichlorhydrin); epoxy resin (number average molecular weight <= 700)

#### R phrases:

36/38 Irritating to eyes and skin.  
40 Limited evidence of a carcinogenic effect.  
43 May cause sensitization by skin contact.  
48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.  
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

#### S-phrases:

24 Avoid contact with skin.  
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
36/37 Wear suitable protective clothing and gloves.  
51 Use only in well-ventilated areas.  
61 Avoid release to the environment. Refer to special instructions / safety data sheet.

#### Special provisions concerning the labelling of certain mixtures

92 Contains epoxy constituents. May produce an allergic reaction.

#### Other regulations (EU):

#### Biocide authorizations

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#### Information according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).

VOC-value (in g/l) ISO 11890-2: 5  
VOC-value (in g/l) ASTM D 2369: 5

#### National regulations

#### Informations on working limitations:

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.  
Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

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## 16. Other information

### Wording of the r-phrases under paragraph 3:

36/38	Irritating to eyes and skin.
43	May cause sensitization by skin contact.
51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
15	Contact with water liberates extremely flammable gas.
17	Spontaneously flammable in air.
48/20	Harmful: danger of serious damage to health by prolonged exposure through inhalation.
22	Harmful if swallowed.
40	Limited evidence of a carcinogenic effect.
36	Irritating to eyes.
38	Irritating to skin.
52	Harmful to aquatic organisms.
53	May cause long-term adverse effects in the aquatic environment.

### Further remarks:

The information supplied on this safety data sheet complies with our current level of knowledge as well as with national and EU regulations. Without written approval, the product must not be used for purposes different from those mentioned in chapter 1. It is always the user's duty to take any necessary measures for meeting the requirements laid down by local rules and regulations. The details in this safety data sheet describe the safety requirements of our product and are not to be regarded as guaranteed attributes of the product.

## Annex

At present, data / information on exposure scenarios are not available, so that an evaluation of the preparation cannot yet be made.