

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2015/830



Article No.: 1473  
Print date: 30.07.2021  
Version: 5.1

moglice/dwh hardener  
Revision date: 06.07.2021  
Issue date: 06.07.2021

EN  
Page 1 / 9

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**

**1.1. Product identifier**

Article No. (manufacturer/supplier) 1473  
Trade name/designation moglice/dwh hardener

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

**1.3. Details of the supplier of the safety data sheet**

**supplier (manufacturer/importer/downstream user/distributor)**

DIAMANT Metallplastic GmbH  
Hontzlarstr. 12-14 Telephone: +49(0)2166-98360  
41238 Mönchengladbach Telefax: +49(0)2166-83025

**Department responsible for information:**

Lab  
E-mail (competent person) info@diamant-polymer.de

**1.4. Emergency telephone number**

Emergency telephone number +49(0)2166-98360  
Only available during office hours.

**SECTION 2: Hazards identification**

**2.1. Classification of the substance or mixture**

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

Acute Tox. 4 / H302	Acute toxicity (oral)	Harmful if swallowed.
Skin Corr. 1A / H314	Skin corrosion/irritation	Causes severe skin burns and eye damage.
Eye Dam. 1 / H318	Serious eye damage/eye irritation	Causes serious eye damage.
Skin Sens. 1 / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.
Aquatic Chronic 3 / H412	Hazardous to the aquatic environment	Harmful to aquatic life with long lasting effects.

**2.2. Label elements**

**Labelling according to Regulation (EC) No. 1272/2008 [CLP]**

**Hazard pictograms**



**Danger**

**Hazard statements**

H302 Harmful if swallowed.  
H314 Causes severe skin burns and eye damage.  
H317 May cause an allergic skin reaction.  
H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P233 Keep container tightly closed.  
P260 Do not breathe vapour.  
P261 Avoid breathing vapours.  
P264 Wash hands thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear protective gloves and eye/face protection.  
P301 + P310 IF SWALLOWED: Immediately call a doctor.  
P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.  
P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
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.  
P308 + P313 IF exposed or concerned: Get medical advice/attention.  
P310 Immediately call a POISON CENTER or doctor/physician.  
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.  
P501 Dispose of contents/container to industrial incineration plant.

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2015/830



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Version: 5.1

moglice/dwh hardener  
Revision date: 06.07.2021  
Issue date: 06.07.2021

EN  
Page 2 / 9

**Hazard components for labelling**

Phenol, 4,4'- (1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxirane, reaction products with 2,2,4(or 2,4,4)-trimethyl-1,6-hexanediamine (chloromethyl)oxirane, reaction products with 2,2,4(or 2,4,4)-trimethyl-1,6-hexanediamine 2,2,4-Trimethylhexan-1,6-diamine

**Supplemental hazard information**

not applicable

**2.3. Other hazards**

No information available.

**SECTION 3: Composition / information on ingredients**

**3.2. Mixtures**

**Description** Aminhardener mixture + fillers

**Classification according to Regulation (EC) No 1272/2008 [CLP]**

EC No. CAS No. Index No.	REACH No. Designation classification // Remark	weight-%
247-063-2 25513-64-8	01-2119560598-25-XXXX 2,2,4-Trimethylhexan-1,6-diamine Acute Tox. 4 H302 / Skin Corr. 1A H314 / Eye Dam. 1 H318 / Skin Sens. 1A H317	25 - 50
111850-23-8	Phenol, 4,4'- (1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxirane, reaction products with 2,2,4(or 2,4,4)-trimethyl-1,6-hexanediamine (chloromethyl)oxirane, reaction products with 2,2,4(or 2,4,4)-trimethyl-1,6-hexanediamine Acute Tox. 4 H302 / Skin Corr. 1B H314 / Eye Dam. 1 H318 / Skin Sens. 1 H317	25 - 50
229-962-1 6864-37-5 612-110-00-1	01-2119497829-12-XXXX 2,2'-dimethyl-4,4'-methylenebis(cyclohexylamine) Acute Tox. 4 H302 / Acute Tox. 3 H311 / Acute Tox. 2 H330 / Skin Corr. 1A H314 / Aquatic Chronic 2 H411	5 - 10
203-180-0 6192-52-5	01-2119538811-39-XXXX p-Toluenesulfonic acid monohydrate Skin Irrit. 2 H315 / Eye Irrit. 2 H319 / STOT SE 3 H335	5 - 10
201-933-8 89-72-5	01-2119427320-54-XXXX 2-sec-butylphenol Acute Tox. 4 H302 / Skin Corr. 1C H314 / Eye Dam. 1 H318	5 - 10

**Additional information**

Full text of classification: see section 16

**SECTION 4: First aid measures**

**4.1. Description of 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 recovery position and seek medical advice.

**In case of inhalation**

Remove casualty to fresh air and keep warm and at rest. In case of irregular breathing or respiratory arrest provide artificial respiration. Call a physician immediately.

**Following 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.

**After eye contact**

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

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2015/830



Article No.: 1473  
Print date: 30.07.2021  
Version: 5.1

moglice/dwh hardener  
Revision date: 06.07.2021  
Issue date: 06.07.2021

EN  
Page 3 / 9

**Following ingestion**

If swallowed, rinse mouth with water (only if the person is conscious). Seek medical advice immediately. Keep victim calm. Do NOT induce vomiting.

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

In all cases of doubt, or when symptoms persist, seek medical advice.

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

First Aid, decontamination, treatment of symptoms.

**SECTION 5: Firefighting measures**

**5.1. Extinguishing media**

**Suitable extinguishing media**

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

**Unsuitable extinguishing media**

strong water jet

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

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

**5.3. Advice for firefighters**

Provide a conveniently located respiratory protective device. 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.

**SECTION 6: Accidental release measures**

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

Keep away from sources of ignition. Ventilate affected area. Do not breathe vapours.

**6.2. Environmental precautions**

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

**6.3. Methods and material for containment and 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 section 13). Clean using cleansing agents. Do not use solvents.

**6.4. Reference to other sections**

Observe protective provisions (see section 7 and 8).

**SECTION 7: Handling and storage**

People who suffer from skin sensitization problems, asthma, allergies, chronic or recurring respiratory illnesses should not be deployed in any process using this mixture. Examination of lung function should be carried out on a regular basis on persons spraying this product.

**7.1. Precautions for safe 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. 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. When using do not eat, drink or smoke. Personal protection equipment: refer to section 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. Be careful when opening used containers (excess pressure). Precautionary measures should be taken in order to reduce strain from humidity or water: CO<sub>2</sub> is formed which may produce excess pressure in closed containers .

**Advices on general occupational hygiene**

Vapours are heavier than air, spread along floors and form explosive mixtures with air.

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

**Requirements for storage rooms and vessels**

Storage in accordance with the Ordinance on Industrial Safety and Health (BetrSiVO). Keep container tightly closed. Do not

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2015/830



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Version: 5.1

moglice/dwh hardener  
Revision date: 06.07.2021  
Issue date: 06.07.2021

EN  
Page 4 / 9

empty containers with pressure - no pressure vessel! Smoking is forbidden. Access only for authorised persons. Store carefully closed containers upright to prevent any leaks. Soils have to conform to the "Guidelines for avoidance of ignition hazards due to electrostatic charges (TRGS 727)".

**Hints on joint storage**

Keep away from strongly acidic and alkaline materials as well as oxidizers. Keep away from food, drink and animal feedingstuffs.

**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 20 °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.

**7.3. Specific end use(s)**

Observe technical data sheet.

**SECTION 8: Exposure controls/personal protection**

People who suffer from skin sensitization problems, asthma, allergies, chronic or recurring respiratory illnesses should not be deployed in any process using this mixture. Examination of lung function should be carried out on a regular basis on persons spraying this product.

**8.1. Control parameters**

**Occupational exposure limit values**

not applicable

**PNEC:**

2,2,4-Trimethylhexan-1,6-diamine

EC No. 247-063-2 / CAS No. 25513-64-8

PNEC aquatic, freshwater: 0,102 mg/L

PNEC aquatic, marine water: 0,0102 mg/L

PNEC aquatic, intermittent release: 0,31 mg/L

PNEC sediment, freshwater: 0,62 mg/kg

PNEC sediment, marine water: 0,062 mg/kg

PNEC, soil: 10 mg/kg

PNEC sewage treatment plant (STP): 72 mg/L

**8.2. Exposure controls**

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.

**Personal protection equipment**

**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

Thickness of the glove material > 0,4 mm ; Breakthrough time: > 480 min.

Observe the instructions and details for use, storage, maintenance and replacement provided by the protective glove manufacturer. Penetration time of glove material depending on intensity and duration of exposure to skin. Recommended glove articles EN ISO 374

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

**Eye/face protection**

Wear closed protection glasses.

**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 or use appropriate cleanser.

**Environmental exposure controls**

Do not allow to enter into surface water or drains. See section 7. No additional measures necessary.

**SECTION 9: Physical and chemical properties**

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

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2015/830



Article No.: 1473  
Print date: 30.07.2021  
Version: 5.1

moglice/dwh hardener  
Revision date: 06.07.2021  
Issue date: 06.07.2021

EN  
Page 5 / 9

<b>Appearance:</b>	
<b>Physical state:</b>	solid
<b>Colour:</b>	refer to label
<b>Odour:</b>	characteristic
<b>Odour threshold:</b>	not applicable
<b>pH at 20 °C:</b>	not applicable
<b>Melting point/freezing point:</b>	not applicable
<b>Initial boiling point and boiling range:</b>	not applicable
<b>Flash point:</b>	118 °C Method: DIN 53213-1
<b>Evaporation rate:</b>	not applicable
<b>flammability</b>	
<b>Burning time:</b>	not applicable
<b>Upper/lower flammability or explosive limits:</b>	
<b>Lower explosion limit:</b>	not applicable
<b>Upper explosion limit:</b>	not applicable
<b>Vapour pressure at 20 °C:</b>	not applicable
<b>Vapour density:</b>	not applicable
<b>Relative density:</b>	
<b>Density at 20 °C:</b>	0,99 g/cm <sup>3</sup>
<b>Solubility(ies):</b>	
<b>Water solubility at 20 °C:</b>	partially soluble
<b>Partition coefficient: n-octanol/water:</b>	see section 12
<b>Auto-ignition temperature:</b>	275 °C Source: 2,2'-dimethyl-4,4'-methylenebis(cyclohexylamine)
<b>Decomposition temperature:</b>	not applicable
<b>Viscosity at 20 °C:</b>	900 mPa*s
<b>Explosive properties:</b>	not applicable
<b>Oxidising properties:</b>	not applicable
9.2. <b>Other information</b>	
<b>Solid content:</b>	100,00 weight-%
<b>solvent content:</b>	
<b>Organic solvents:</b>	0 weight-%
<b>Water:</b>	0 weight-%

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No information available.

### 10.2. Chemical stability

Stable when applying the recommended regulations for storage and handling. Further information on correct storage: refer to section 7.

### 10.3. Possibility of hazardous reactions

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

### 10.4. Conditions to avoid

Hazardous decomposition byproducts may form with exposure to high temperatures.

### 10.5. Incompatible materials

not applicable

### 10.6. Hazardous decomposition products

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

## SECTION 11: Toxicological information

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2015/830



Article No.: 1473 moglice/dwh hardener  
Print date: 30.07.2021 Revision date: 06.07.2021  
Version: 5.1 Issue date: 06.07.2021

EN  
Page 6 / 9

Classification according to Regulation (EC) No 1272/2008 [CLP]

**11.1. Information on toxicological effects**

**Acute toxicity**

Harmful if swallowed.

p-Toluenesulfonic acid monohydrate  
oral, LD50, Rat: 2480 mg/kg

2,2,4-Trimethylhexan-1,6-diamine  
oral, LD50, Rat: 910 mg/kg  
inhalative (Gases), LC50, Rat (4 h) Evaluation Corrosive to the respiratory tract.

2-sec-butylphenol  
oral, LD50, Rat: < 2000 mg/kg  
Method: OECD 401

**Skin corrosion/irritation; Serious eye damage/eye irritation**

Causes severe skin burns and eye damage.

2,2,4-Trimethylhexan-1,6-diamine  
Skin, Rabbit (4 h)  
Method: OECD 404

2-sec-butylphenol  
Skin, Rabbit (4 h)  
Method: OECD 404

**Respiratory or skin sensitisation**

May cause an allergic skin reaction.

**CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**

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

**STOT-single exposure; 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.

**Practical experience/human evidence**

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, drowsiness, 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 ingredients in this mixture do not meet the criteria for classification as CMR category 1A or 1B according to CLP.

**Remark**

There is no information available on the preparation itself .

**SECTION 12: Ecological information**

Classification according to Regulation (EC) No 1272/2008 [CLP]  
Do not allow to enter into surface water or drains.

**12.1. Toxicity**

p-Toluenesulfonic acid monohydrate  
Fish toxicity, LC50: 29,5 mg/L (96 h)  
Daphnia toxicity, EC50: 89 mg/L (48 h)

2,2,4-Trimethylhexan-1,6-diamine  
Algae toxicity, ErC50, Pseudokirchneriella subcapitata: 43,5 mg/L (72 h)

2-sec-butylphenol  
Fish toxicity, LC50, Oncorhynchus mykiss (Rainbow trout): > 1 mg/L (96 h)  
Method: OECD 203

**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2015/830



Article No.: 1473  
Print date: 30.07.2021  
Version: 5.1

moglice/dwh hardener  
Revision date: 06.07.2021  
Issue date: 06.07.2021

EN  
Page 7 / 9

Daphnia toxicity, EC50, Daphnia magna (Big water flea): 3,7 mg/L (48 h)  
Method: OECD 202  
Algae toxicity, ErC50, Pseudokirchneriella subcapitata: 10 mg/L (72 h)  
Method: OECD 201

**Long-term Ecotoxicity**

Harmful to aquatic life with long lasting effects.

**12.2. Persistence and degradability**

Toxicological data are not available.

**12.3. Bioaccumulative potential**

Toxicological data are not available.

**12.4. Mobility in soil**

Toxicological data are not available.

**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**

**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 directive 2008/98/EC, covering waste and dangerous waste.

**List of proposed waste codes/waste designations in accordance with EWC**

080111\* Waste paint and varnish containing organic solvents or other dangerous substances

\*Hazardous waste according to Directive 2008/98/EC (waste framework directive).

**Appropriate disposal / Package Recommendation**

Non-contaminated packages may be recycled. Vessels not properly emptied are special waste.

**SECTION 14: Transport information**

**14.1. UN number**

UN 2735

**14.2. UN proper shipping name**

Land transport (ADR/RID):

Polyamines, liquid, corrosive, n.o.s.

((2,2'-dimethyl-4,4'-methylenebis(cyclohexylamine)))

Sea transport (IMDG):

POLYAMINES, LIQUID, CORROSIVE, N.O.S.

((2,2'-dimethyl-4,4'-methylenebis(cyclohexylamine)))

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

Polyamines, liquid, corrosive, n.o.s.

((2,2'-dimethyl-4,4'-methylenebis(cyclohexylamine)))

**14.3. Transport hazard class(es)**

8

**14.4. Packing group**

II

**14.5. Environmental hazards**

Land transport (ADR/RID)

not applicable

Marine pollutant

not applicable

**14.6. Special precautions for user**

Transport always in closed, upright and safe containers. Make sure that persons transporting the product know what to do in case of an accident or leakage.

Advices on safe handling: see parts 6 - 8

**Further information**

**Land transport (ADR/RID)**

**Safety Data Sheet**  
**according to Regulation (EC) No. 1907/2006 (REACH)**  
**according to Regulation (EU) 2015/830**



Article No.: 1473  
 Print date: 30.07.2021  
 Version: 5.1

moglice/dwh hardener  
 Revision date: 06.07.2021  
 Issue date: 06.07.2021

EN  
 Page 8 / 9

tunnel restriction code E

**Sea transport (IMDG)**

EmS-No. F-A, S-B

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**

**EU legislation**

**Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]**

VOC-value (in g/L): 0

**National regulations**

**Restrictions of occupation**

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).

**Substance/product listed in the following inventories:**

No information of listing in TOXIC SUBSTANCES CONTROL ACT (TSCA)

15.2. **Chemical Safety Assessment**

**For the following substances of this mixture a chemical safety assessment has been carried out:**

EC No. CAS No.	Designation	REACH No.
247-063-2 25513-64-8	2,2,4-Trimethylhexan-1,6-diamine	01-2119560598-25-XXXX
111850-23-8	Phenol, 4,4'- (1-methylethylidene)bis-, polymer with 2-(chloromethyl)oxirane, reaction products with 2,2,4(or 2,4,4)-trimethyl-1,6-hexanediamine (chloromethyl)oxirane, reaction products with 2,2,4(or 2,4,4)-trimethyl-1,6-hexanediamine	
229-962-1 6864-37-5	2,2'-dimethyl-4,4'-methylenebis(cyclohexylamine)	01-2119497829-12-XXXX
203-180-0 6192-52-5	p-Toluenesulfonic acid monohydrate	01-2119538811-39-XXXX
201-933-8 89-72-5	2-sec-butylphenol	01-2119427320-54-XXXX

**SECTION 16: Other information**

**Full text of classification in section 3:**

Acute Tox. 4 / H302	Acute toxicity (oral)	Harmful if swallowed.
Skin Corr. 1A / H314	Skin corrosion/irritation	Causes severe skin burns and eye damage.
Eye Dam. 1 / H318	Serious eye damage/eye irritation	Causes serious eye damage.
Skin Sens. 1A / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.
Skin Corr. 1B / H314	Skin corrosion/irritation	Causes severe skin burns and eye damage.
Skin Sens. 1 / H317	Respiratory or skin sensitisation	May cause an allergic skin reaction.
Acute Tox. 3 / H311	Acute toxicity (dermal)	Toxic in contact with skin.
Acute Tox. 2 / H330	Acute toxicity (inhalative)	Fatal if inhaled.
Aquatic Chronic 2 / H411	Hazardous to the aquatic environment	Toxic to aquatic life with long lasting effects.
Skin Irrit. 2 / H315	Skin corrosion/irritation	Causes skin irritation.
Eye Irrit. 2 / H319	Serious eye damage/eye irritation	Causes serious eye irritation.
STOT SE 3 / H335	STOT-single exposure	May cause respiratory irritation.
Skin Corr. 1C / H314	Skin corrosion/irritation	Causes severe skin burns and eye damage.

**Classification procedure**

Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Acute Tox. 4	Acute toxicity (oral)	Calculation method.
Skin Corr. 1A	Skin corrosion/irritation	Calculation method.
Eye Dam. 1	Serious eye damage/eye irritation	Calculation method.
Skin Sens. 1	Respiratory or skin sensitisation	Calculation method.
Aquatic Chronic 3	Hazardous to the aquatic environment	Calculation method.



**Safety Data Sheet**  
according to Regulation (EC) No. 1907/2006 (REACH)  
according to Regulation (EU) 2015/830



Article No.: 1473  
Print date: 30.07.2021  
Version: 5.1

moglice/dwh hardener  
Revision date: 06.07.2021  
Issue date: 06.07.2021

EN  
Page 9 / 9

**Abbreviations and acronyms**

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
OEL	Occupational Exposure Limit Value
BLV	Biological Limit Value
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	Carcinogenic, Mutagenic and Reprotoxic
DIN	German Institute for Standardization / German industrial standard
DNEL	Derived No-Effect Level
EAKV	European Waste Catalogue Directive
EC	Effective Concentration
EC	European Community
EN	European Standard
IATA-DGR	International Air Transport Association – Dangerous Goods Regulations
IBC Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO-TI	International Civil Aviation Organization Technical Instructions for the Safe Transport of Dangerous Goods by Air
IMDG Code	International Maritime Code for Dangerous Goods
ISO	International Organization for Standardization
LC	Lethal Concentration
LD	Lethal Dose
MARPOL	Maritime Pollution: The International Convention for the Prevention of Pollution from Ships
OECD	Organisation for Economic Cooperation and Development
PBT	persistent, bioaccumulative, toxic
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
UN	United Nations
VOC	Volatile Organic Compounds
vPvB	very persistent and very bioaccumulative

**Further information**

Classification according to Regulation (EC) No 1272/2008 [CLP]

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 section 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.

\* Data changed compared with the previous version