



**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**EGOPOXID 2100 SPACHTEL Komp. B**

Revision date: 04.05.2023

Product code: 782100772

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**Precautionary statements**

P260	Do not breathe gas/vapour.
P273	Avoid release to the environment.
P280	Wear protective gloves / protective clothing / eye protection.
P301+P312	IF SWALLOWED: Call a POISON CENTER if you feel unwell.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
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.
P501	Dispose of contents/container in accordance with local regulation.

**Special labelling of certain mixtures**

EUH208	Contains 3-Aminopropyltriethoxysilane. May produce an allergic reaction.
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**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Chemical characterization**

glue epoxy resin

**Hazardous components**

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
2579-20-6	1,3-Cyclohexylenbis(Methylamin)			<= 50 %
	219-941-5			
	Acute Tox. 4, Acute Tox. 4, Skin Corr. 1A, Aquatic Chronic 3; H312 H302 H314 H412			
100-51-6	benzyl alcohol			< 25 %
	202-859-9	603-057-00-5	01-2119492630-38	
	Acute Tox. 4, Acute Tox. 4, Eye Irrit. 2; H332 H302 H319			
919-30-2	3-Aminopropyltriethoxysilane			< 0,5 %
	213-048-4		01-2119480479-24	
	Acute Tox. 4, Skin Corr. 1B, Skin Sens. 1; H302 H314 H317			

Full text of H and EUH statements: see section 16.

**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity	
	Specific Conc. Limits, M-factors and ATE			
2579-20-6	219-941-5	1,3-Cyclohexylenbis(Methylamin)	<= 50 %	
	dermal: LD50 = 1700 mg/kg; oral: LD50 = 700 mg/kg			
100-51-6	202-859-9	benzyl alcohol	< 25 %	
	inhalation: ATE = 11 mg/l (vapours); inhalation: LC50 = >4,1 mg/l (dusts or mists); dermal: LD50 = 2000 mg/kg; oral: LD50 = 1230 mg/kg			
919-30-2	213-048-4	3-Aminopropyltriethoxysilane	< 0,5 %	
	dermal: LD50 = 3770 mg/kg; oral: LD50 = 1780 mg/kg			

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

Take off immediately all contaminated clothing Get medical attention if symptoms occur. If unconscious place

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in recovery position and seek medical advice.

**After inhalation**

Provide fresh air. Consult physician if problems persist. If victim is at risk of losing consciousness, position and transport on their side. If breathing has stopped, apply artificial respiration.

**After contact with skin**

Take off all contaminated clothing immediately. After contact with skin, wash immediately with plenty of water and soap.

**After contact with eyes**

After contact with eye rinse immediately with lot of water at least 5 minutes with open eyelid. Subsequently consult an ophthalmologist. If easy to do, remove contact lens, if worn.

In case of durable symptoms, consult an ophthalmologist.

**After ingestion**

After swallowing, rinse mouth with plenty of water (only if the person is conscious) and seek medical help immediately. Do NOT induce vomiting.

If you feel unwell, seek medical advice (show the label where possible).

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

This information is not available.

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

Elementary help, decontamination, symptomatic treatment.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Carbon dioxide (CO<sub>2</sub>), Dry powder, Water spray, Alcohol-resistant foam.

**Unsuitable extinguishing media**

High volume water jet

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

As the product contains combustible organic components, fire will produce dense black smoke containing hazardous products of combustion (see section 10).

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

Prevent fire extinguishing water from contaminating surface water or the ground water system.

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

Handle in accordance with good industrial hygiene and safety practice.

Keep away from unprotected people. Keep upwind.

Ventilate the area. Do not breath vapour.

**For non-emergency personnel**

Remove from all sources of ignition. Provide adequate ventilation. Wear personal protection equipment.

**For emergency responders**

Wear personal protection equipment.

**6.2. Environmental precautions**

Do not flush into surface water or sanitary sewer system.

If the product contaminates rivers and lakes or drains inform respective authorities.

**6.3. Methods and material for containment and cleaning up**

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**For containment**

Cover the sewers.

**For cleaning up**

Contain escaped material with non-combustible absorbent (for example, sand, earth, vermiculite, kieselguhr)  
Collect according to local regulations in the appropriate containers (see section 13). Repeat cleaning with cleaning agents, do not use solvents.

**Other information**

Provide adequate ventilation. Collect mechanically.

**6.4. Reference to other sections**

See also section 7, 8, 13

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

Prevent vapour buildup by providing adequate ventilation during and after use.  
Avoid contact with skin, eyes and clothing. When using do not eat or drink. Wear personal protective equipment.  
Never empty containers with pressure - no pressure vessel!

**Advice on protection against fire and explosion**

Container carefully store closed upright to prevent any leakage. Soils must follow the "Guidelines for avoiding Ignition hazards due to electrostatic charges (TRGS 727)".

**Advice on general occupational hygiene**

Handle in accordance with good industrial hygiene and safety practice.  
Use with adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.  
Keep away from food, drink and animal feedingstuffs. Avoid contact with skin, eyes and clothing. Remove and wash contaminated clothing before re-use. Wash hands before breaks and at the end of workday.  
When using, do not eat, drink or smoke.

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

Storage must be in accordance with the BetrSichV (Germany). Keep containers tightly closed in a dry, cool and well-ventilated place.

**Hints on joint storage**

Keep away from oxidising agents and strongly acid or alkaline materials. Not required.

**Further information on storage conditions**

Store between 5 and 25 °C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.  
Prevent unauthorized access.

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

Adhesives

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

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**DNEL/DMEL values**

CAS No	Name of agent	Exposure route	Effect	Value
100-51-6	benzyl alcohol			
Worker DNEL, acute		inhalation	systemic	450 mg/m <sup>3</sup>
Consumer DNEL, acute		inhalation	systemic	40,55 mg/m <sup>3</sup>
Worker DNEL, acute		dermal	systemic	47 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	90 mg/m <sup>3</sup>
Consumer DNEL, long-term		oral	systemic	5 mg/kg bw/day
Worker DNEL, long-term		dermal	systemic	9,5 mg/kg bw/day
Consumer DNEL, acute		dermal	systemic	28,5 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	8,11 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	5,7 mg/kg bw/day

**PNEC values**

CAS No	Name of agent	Value
100-51-6	benzyl alcohol	
Freshwater		1 mg/l
Marine water		0,1 mg/l
Freshwater sediment		5,27 mg/kg
Marine sediment		0,527 mg/kg
Soil		0,456 mg/kg

**Additional advice on limit values**

To date, no national critical limit values exist.

**8.2. Exposure controls****Individual protection measures, such as personal protective equipment****Eye/face protection**

Tightly sealed safety glasses.

**Hand protection**

For prolonged or repeated handling, use the glove material: butyl rubber. Thickness of glove material &gt; 0,4 mm; Breakthrough time (maximum wearing time) &gt; 480 min.

The suitability for a specific workplace should be discussed with the producers of the protective gloves. As the product is a mixture of several substances, the durability of the glove materials cannot be calculated in advance and has to be tested before use. The exact break through time can be obtained from the protective glove producer and this has to be observed. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.

**Skin protection**

Protective suit

**Respiratory protection**

Provide sufficient air exchange and/or exhaust in work rooms. In case of insufficient ventilation wear suitable respiratory equipment.

**Thermal hazards**

Do not heat the product.

Under fire conditions: Flame-resistant clothing

Low temperature resistant gloves: not required

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**Environmental exposure controls**

Do not empty into drains or the aquatic environment.

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

Physical state:	paste	
Colour:	off-white	
Odour:	amines	
Odour threshold:	not determined	
Melting point/freezing point:		not determined
Boiling point or initial boiling point and boiling range:		not determined
Lower explosion limits:		1,1 vol. %
Upper explosion limits:		13,0 vol. %
Flash point:		not applicable
Water solubility:		insoluble
Vapour pressure: (at 20 °C)		0,01 hPa
Density (at 20 °C):		1,28 g/cm <sup>3</sup>
Particle characteristics:		not applicable

**9.2. Other information****Information with regard to physical hazard classes**

Explosive properties

not Explosive.

Self-ignition temperature

Gas:

435 °C

**Other safety characteristics**

Solvent separation test:

&lt; 3 Gew-% (ADR/RID)

Solvent content:

24%

Solid content:

76,17

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

No dangerous reaction known under conditions of normal use.

**10.2. Chemical stability**

No decomposition if used as directed.

**10.3. Possibility of hazardous reactions**

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

**10.4. Conditions to avoid**

Thermal decomposition can lead to release of irritating gases and vapours.

**10.5. Incompatible materials**

This information is not available.

**10.6. Hazardous decomposition products**Hazardous decomposition products at high temperatures: Carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), oxides of nitrogen (NO<sub>x</sub>), dense black smoke.**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

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**Acute toxicity**

Harmful if swallowed.

**ATEmix calculated**

ATE (oral) 1117,2 mg/kg

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
2579-20-6	1,3-Cyclohexylenbis(Methylamin)				
	oral	LD50 mg/kg	700	rat	
	dermal	LD50 mg/kg	1700	rabbit	
100-51-6	benzyl alcohol				
	oral	LD50 mg/kg	1230	Rat	GESTIS
	dermal	LD50 mg/kg	2000	rabbit	
	inhalation vapour	ATE	11 mg/l		
	inhalation (4 h) dust/mist	LC50	>4,1 mg/l		
919-30-2	3-Aminopropyltriethoxysilane				
	oral	LD50 mg/kg	1780	rat	OECD Test Guideline 401
	dermal	LD50 mg/kg	3770	rabbit	Acc. to literature

**Irritation and corrosivity**

Causes severe skin burns. Risk of serious damage to eyes.

**Sensitising effects**

May cause sensitisation by skin contact.

**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.

**Information on likely routes of exposure**

Skin contact

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

Classification according to Regulation (EC) No. 1272/2008 [CLP] There are no details about the preparation itself.

Do not empty into drains or the aquatic environment.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
2579-20-6	1,3-Cyclohexylenbis(Methylamin)					
	Acute fish toxicity	LC50	130 mg/l	96 h	Leuciscus idus (Golden orfe)	
	Acute algae toxicity	ErC50	90 mg/l		Pseudomonas putida	
100-51-6	benzyl alcohol					
	Acute fish toxicity	LC50	10 mg/l	96 h	Lepomis macrochirus (Bluegill sunfish)	
	Acute algae toxicity	ErC50	640 mg/l	96 h	Scenedesmus quadricauda (Green algae)	
919-30-2	3-Aminopropyltriethoxysilane					
	Acute fish toxicity	LC50	>934 mg/l	96 h	Danio rerio (zebra fish)	OECD Test Guideline 203
	Acute algae toxicity	ErC50	>1000 mg/l	72 h	Pseudokirchneriella subcapitata (green algae)	OECD Test Guideline 201
	Acute crustacea toxicity	EC50	331 mg/l	48 h	Daphnia magna (Water flea)	OECD Test Guideline 202

**12.2. Persistence and degradability**

Benzyl alcohol: Easily biodegradable (concerning to the criteria of the OECD)

3-aminopropyltriethoxysilane: Not readily biodegradable.

**12.3. Bioaccumulative potential****Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
100-51-6	benzyl alcohol	1,05

**12.4. Mobility in soil**

This information is 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.

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

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

This information is not available.

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

Do not empty into drains. Dispose of as hazardous waste in compliance with local and national regulations.

**List of Wastes Code - residues/unused products**

080409 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants containing organic solvents or other hazardous substances; hazardous waste

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**Contaminated packaging**

Non-cleanable packaging must be disposed of in the same way as the substance. Non-contaminated packagings can be reused.

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

**14.1. UN number or ID number:** UN 3259  
**14.2. UN proper shipping name:** CORROSIVE SOLID, N.O.S. (1,3-Cyclohexanedimethanamine)  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** II  
Hazard label: 8



Classification code: C10  
Special Provisions: 274  
Limited quantity: 1 kg  
Excepted quantity: E2  
Transport category: 2  
Hazard No: 80  
Tunnel restriction code: E

**Marine transport (IMDG)**

**14.1. UN number or ID number:** UN 3259  
**14.2. UN proper shipping name:** AMINES, SOLID, CORROSIVE, N.O.S. (1,3-Cyclohexanedimethanamine)  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** II  
Hazard label: 8



Special Provisions: 274  
Limited quantity: 1 kg  
Excepted quantity: E2  
EmS: F-A, S-B  
Segregation group: alkalis

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

**14.1. UN number or ID number:** UN 3259  
**14.2. UN proper shipping name:** AMINES, SOLID, CORROSIVE, N.O.S. (1,3-Cyclohexanedimethanamine)  
**14.3. Transport hazard class(es):** 8  
**14.4. Packing group:** II  
Hazard label: 8



Special Provisions: A3 A803  
Limited quantity Passenger: 5 kg  
Passenger LQ: Y844  
Excepted quantity: E2  
IATA-packing instructions - Passenger: 859  
IATA-max. quantity - Passenger: 15 kg  
IATA-packing instructions - Cargo: 863

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IATA-max. quantity - Cargo:

50 kg

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.7. Maritime transport in bulk according to IMO instruments**

not applicable

**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):	305,14 g/L
2004/42/EC (VOC):	VOC(EU) 23,83%
	VOC(CH) 23,83%

**National regulatory information**

Employment restrictions:	Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.
Water hazard class (D):	2 - obviously hazardous to water

**15.2. Chemical safety assessment**

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

**SECTION 16: Other information****Changes**

This data sheet contains changes from the previous version in section(s): 6,7,8,9,11,15,16.

**Abbreviations and acronyms**

CLP: Classification, labelling and Packaging  
REACH: Registration, Evaluation and Authorization of Chemicals  
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
UN: United Nations  
CAS: Chemical Abstracts Service  
DNEL: Derived No Effect Level  
DMEL: Derived Minimal Effect Level  
PNEC: Predicted No Effect Concentration  
ATE: Acute toxicity estimate  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%  
LL50: Lethal loading, 50%  
EL50: Effect loading, 50%  
EC50: Effective Concentration 50%  
ErC50: Effective Concentration 50%, growth rate  
NOEC: No Observed Effect Concentration  
BCF: Bio-concentration factor  
PBT: persistent, bioaccumulative, toxic  
vPvB: very persistent, very bioaccumulative  
ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID: Regulations concerning the international carriage of dangerous goods by rail  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)

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IMDG: International Maritime Code for Dangerous Goods  
EmS: Emergency Schedules  
MFAG: Medical First Aid Guide  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organization  
MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
IBC: Intermediate Bulk Container  
VOC: Volatile Organic Compounds  
SVHC: Substance of Very High Concern

**Relevant H and EUH statements (number and full text)**

H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains 3-Aminopropyltriethoxysilane. May produce an allergic reaction.

**Further Information**

These data describe only the safety requirements for the product(s) and are based on our present knowledge. However, they do not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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