

Safety Data Sheet

according to UK REACH Regulation

FloorBridge Connect 04, Part B

Revision date: 04.11.2021

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

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

Chemical product for construction and industry.

For use in industrial installations and professional treatment only.

Uses advised against

The product is not intended for private use.

1.3. Details of the supplier of the safety data sheet

Company name: FloorBridge International GmbH
Street: Gewerbepark 21
Place: A-4101 Feldkirchen a.d. Donau
Telephone: +43 664 88182991
e-mail: stefan.trichlin@floorbridge.com
Internet: <http://www.floorbridge.com>

1.4. Emergency telephone number: +49(0)4941-60436-0 (Mo - Fr 08:00 - 17:00 h (CET))**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****GB CLP Regulation**

Acute Tox. 4; H302
Skin Corr. 1B; H314
Eye Dam. 1; H318
Skin Sens. 1A; H317
Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

2.2. Label elements**GB CLP Regulation****Hazard components for labelling**

Carbomonocyclic alkylated mixtures of poly-aza-alkanes, hydrogenated
Amines, polyethylenepoly-, triethylenetetramine fraction
Phenol, reaction products with formaldehyde
1,3-Benzenedimethanamine, N-(2-phenylethyl) derivs.
3-aminopropyldiethylamine

Signal word: Danger**Pictograms:****Hazard statements**

H302 Harmful if swallowed.
H314 Causes severe skin burns and eye damage.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER/doctor.

2.3. Other hazards

No further relevant information available.

SECTION 3: Composition/information on ingredients**3.2. Mixtures**

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Hazardous components

CAS No	Chemical name	Quantity
	EC No	Index No
	REACH No	
	Classification (GB CLP Regulation)	
1173092-74-4	Carbomonocyclic alkylated mixtures of poly-aza-alkanes, hydrogenated	10 - < 25 %
	Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 2; H302 H314 H318 H317 H400 H411	
90640-67-8	Amines, polyethylenepoly-, triethylenetetramine fraction	10 - < 25 %
	292-588-2	01-2119487919-13
	Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Skin Sens. 1, Aquatic Chronic 3; H312 H302 H314 H317 H412	
9003-35-4	Phenol, reaction products with formaldehyde	1 - < 5 %
	500-005-2	01-2120735197-51
	Eye Irrit. 2, Skin Sens. 1, Aquatic Chronic 3; H319 H317 H412	
404362-22-7	1,3-Benzenedimethanamine, N-(2-phenylethyl) derivs.	1 - < 5 %
	445-790-1	01-0000018826-60
	Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1A, STOT RE 2, Aquatic Acute 1, Aquatic Chronic 1; H302 H314 H318 H317 H373 H400 H410	
104-78-9	3-aminopropyl-diethylamine	1 - < 5 %
	203-236-4	612-062-00-1
	01-2119965402-39	
	Flam. Liq. 3, Acute Tox. 3, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1; H226 H311 H302 H314 H318 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	
1173092-74-4		Carbomonocyclic alkylated mixtures of poly-aza-alkanes, hydrogenated	10 - < 25 %
		oral: ATE = 500 mg/kg	
90640-67-8	292-588-2	Amines, polyethylenepoly-, triethylenetetramine fraction	10 - < 25 %
		dermal: LD50 = 1465 mg/kg; oral: LD50 = 1716 mg/kg	
404362-22-7	445-790-1	1,3-Benzenedimethanamine, N-(2-phenylethyl) derivs.	1 - < 5 %
		oral: LD50 = 500 mg/kg	
104-78-9	203-236-4	3-aminopropyl-diethylamine	1 - < 5 %
		dermal: ATE = 300 mg/kg; oral: ATE = 500 mg/kg	

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

First aider: Pay attention to self-protection!

Remove affected person from the danger area and lay down. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After inhalation

Remove casualty to fresh air and keep warm and at rest. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately. Immediate medical treatment required because corrosive injuries that are not treated are hard to cure.

After contact with eyes

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

After ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Let 1 glass of water be drunk in little sips (dilution effect). Do NOT induce vomiting. Call a physician immediately.

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

- Causes severe skin burns and eye damage.
- Allergic reactions

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- Gastrointestinal complaints

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

- alcohol resistant foam
- Water spray jet
- Carbon dioxide (CO₂)
- Dry extinguishing powder

Unsuitable extinguishing media

- Full water jet

5.2. Special hazards arising from the substance or mixture

In case of fire may be liberated:

- Carbon monoxide
- Carbon dioxide
- Nitrogen oxides (NO_x)

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing.

Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General advice

Wear personal protection equipment (refer to section 8). Safe handling: see section 7. Provide adequate ventilation as well as local exhaustation at critical locations.

6.2. Environmental precautions

Do not allow to enter into surface water or drains. Cover drains. Clean contaminated articles and floor according to the environmental legislation. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

For cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Take up mechanically, placing in appropriate containers for disposal.

6.4. Reference to other sections

Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

People who suffer from skin sensitization problems, asthma, allergies, chronic or recurring respiratory illnesses should not be deployed in any process using this preparation.

Avoid contact with skin, eyes and clothes. Avoid breathing dust/fume/gas/mist/vapours/spray. Do not eat, drink or smoke when using this product. Use personal protection equipment.

Never use pressure to empty container. Keep/Store only in original container.

Do not allow to enter into surface water or drains.

Advice on protection against fire and explosion

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Advice on general occupational hygiene

Avoid contact with skin, eyes and clothes. Use protective skin cream before handling the product. Remove contaminated, saturated clothing immediately. When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work.

Further information on handling

Wash hands before breaks and after work. Used working clothes should not be worn outside the work area. Street clothing should be stored separately from work clothing.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place. Keep/Store only in original container. Protect against direct sunlight.

Hints on joint storage

Keep away from: Food and feedingstuffs

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Further information on storage conditions

Protect against:

- Frost
- Humidity
- Heat

7.3. Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
90640-67-8	Amines, polyethylenepoly-, triethylenetetramine fraction			
Worker DNEL,		dermal		0,57 mg/kg bw/day
Worker DNEL,		inhalation		1 mg/m ³
404362-22-7	1,3-Benzenedimethanamine, N-(2-phenylethyl) derivs.			
Worker DNEL, long-term		dermal	systemic	0,05 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	0,18 mg/m ³
Worker DNEL, long-term		inhalation	local	0,004 mg/m ³
Consumer DNEL, long-term		oral	systemic	0,03 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	0,03 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	0,04 mg/m ³
Consumer DNEL, long-term		inhalation	local	0,002 mg/m ³

PNEC values

CAS No	Substance	Environmental compartment	Value
90640-67-8	Amines, polyethylenepoly-, triethylenetetramine fraction		
Freshwater			0,19 mg/l
Marine water			0,038 mg/l
9003-35-4	Phenol, reaction products with formaldehyde		
404362-22-7	1,3-Benzenedimethanamine, N-(2-phenylethyl) derivs.		
Freshwater			0,001 mg/l
Marine water			0,0 mg/l
Freshwater sediment			0,14 mg/kg
Marine sediment			0,014 mg/kg
Micro-organisms in sewage treatment plants (STP)			1 mg/l
Soil			0,028 mg/kg

Additional advice on limit values

To date, no national critical limit values exist.

8.2. Exposure controls
Appropriate engineering controls

Provide adequate ventilation. If handled uncovered, arrangements with local exhaust ventilation should be used if possible.

Individual protection measures, such as personal protective equipment
Eye/face protection

 Suitable eye protection: Eye glasses with side protection
 spray application: Wear face protection.

Hand protection

 Suitable material:

- NBR (Nitrile rubber)
- Butyl caoutchouc (butyl rubber)

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DIN-/EN-Norms: DIN-/EN-Norms: EN ISO 374

Use gloves only once. Replace when worn. Use protective skin cream before handling the product.

Skin protection

Wear suitable protective gloves and work clothing.

The type of personal protection equipment has to be chosen based on the concentration and amount of the dangerous substance at the workplace.

spray application: Chemical protection clothing.

Respiratory protection

Usually no personal respirative protection necessary. In case of inadequate ventilation wear respiratory protection.

spray application: Use appropriate respiratory protection.

Environmental exposure controls

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	thixotropic
Colour:	grey
Odour:	characteristic
Odour threshold:	No data available

Changes in the physical state

Melting point/freezing point:	No data available
Boiling point or initial boiling point and boiling range:	No data available
Sublimation point:	No data available
Softening point:	No data available
Pour point:	No data available
Flash point:	> 95 °C

Flammability

Solid/liquid:	No data available
Gas:	No data available

Explosive properties

No data available

Lower explosion limits:	No data available
Upper explosion limits:	No data available
Auto-ignition temperature:	No data available

Self-ignition temperature

Solid:	No data available
Gas:	No data available

Decomposition temperature:	No data available
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pH-Value:	No data available
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Viscosity / dynamic:	thixotropic
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Viscosity / kinematic:	No data available
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Flow time:	No data available
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Water solubility:	No data available
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Solubility in other solvents

No data available

Partition coefficient n-octanol/water:	No data available
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Vapour pressure:	No data available
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Vapour pressure:	No data available
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Density (at 23 °C):	~ 1,7 g/cm ³
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Bulk density:	No data available
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Relative vapour density:	No data available
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9.2. Other information

Information with regard to physical hazard classes

Sustaining combustion:	No data available
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Oxidizing properties
No data available

Other safety characteristics

Evaporation rate:

No data available

Further Information

No data available

SECTION 10: Stability and reactivity
10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

No data available

10.5. Incompatible materials

No data available

10.6. Hazardous decomposition products

No data available

SECTION 11: Toxicological information
11.1. Information on hazard classes as defined in GB CLP Regulation
Acute toxicity

Harmful if swallowed.

ATEmix calculated

ATE (oral) 1834,8 mg/kg

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
1173092-74-4	Carbomonocyclic alkylated mixtures of poly-aza-alkanes, hydrogenated				
	oral	ATE 500 mg/kg			
90640-67-8	Amines, polyethylenepoly-, triethylenetetramine fraction				
	oral	LD50 1716 mg/kg	Rat		
	dermal	LD50 1465 mg/kg	Rabbit		
404362-22-7	1,3-Benzenedimethanamine, N-(2-phenylethyl) derivs.				
	oral	LD50 500 mg/kg	Rat		
104-78-9	3-aminopropyldiethylamine				
	oral	ATE 500 mg/kg			
	dermal	ATE 300 mg/kg			

Irritation and corrosivity

Causes severe skin burns and eye damage.

Causes serious eye damage.

Sensitising effects

May cause an allergic skin reaction. (Carbomonocyclic alkylated mixtures of poly-aza-alkanes, hydrogenated; Amines, polyethylenepoly-, triethylenetetramine fraction; Phenol, reaction products with formaldehyde; 1,3-Benzenedimethanamine, N-(2-phenylethyl) derivs.; 3-aminopropyldiethylamine)

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.

11.2. Information on other hazards

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Endocrine disrupting properties

No information available.

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
90640-67-8	Amines, polyethylenepoly-, triethylenetetramine fraction					
	Acute fish toxicity	LC50	330 mg/l	96 h	Pimephales promelas (fathead minnow)	
	Acute algae toxicity	ErC50	20 mg/l	72 h	Pseudokirchneriella subcapitata	
	Acute crustacea toxicity	EC50	31,1 mg/l	48 h	Daphnia magna (Big water flea)	

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

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

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.

No information available.

12.7. Other adverse effects

No further relevant information available.

Further information

Toxic to aquatic life with long lasting effects. Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process. The waste code has to be identified in agreement with the disposal company or the competent authority.

Contaminated packaging

Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:	UN 3259
14.2. UN proper shipping name:	AMINES, SOLID, CORROSIVE, N.O.S. (polyamine; triethylenetetramine)
14.3. Transport hazard class(es):	8
14.4. Packing group:	III
Hazard label:	8
Classification code:	C8
Special Provisions:	274
Limited quantity:	5 kg
Excepted quantity:	E1
Transport category:	3
Hazard No:	80
Tunnel restriction code:	E

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Inland waterways transport (ADN)

<u>14.1. UN number or ID number:</u>	UN 3259
<u>14.2. UN proper shipping name:</u>	AMINES, SOLID, CORROSIVE, N.O.S. (polyamine; triethylenetetramine)
<u>14.3. Transport hazard class(es):</u>	8
<u>14.4. Packing group:</u>	III
Hazard label:	8
Classification code:	C8
Special Provisions:	274
Limited quantity:	5 kg
Excepted quantity:	E1

Marine transport (IMDG)

<u>14.1. UN number or ID number:</u>	UN 3259
<u>14.2. UN proper shipping name:</u>	AMINES, SOLID, CORROSIVE, N.O.S. (polyamine; triethylenetetramine)
<u>14.3. Transport hazard class(es):</u>	8
<u>14.4. Packing group:</u>	III
Hazard label:	8
Marine pollutant:	yes
Special Provisions:	223, 274
Limited quantity:	5 kg
Excepted quantity:	E1
EmS:	F-A, S-B

Air transport (ICAO-TI/IATA-DGR)

<u>14.1. UN number or ID number:</u>	UN 3259
<u>14.2. UN proper shipping name:</u>	AMINES, SOLID, CORROSIVE, N.O.S. (polyamine; triethylenetetramine)
<u>14.3. Transport hazard class(es):</u>	8
<u>14.4. Packing group:</u>	III
Hazard label:	8
Special Provisions:	A3 A803
Limited quantity Passenger:	5 kg
Passenger LQ:	Y845
Excepted quantity:	E1
IATA-packing instructions - Passenger:	860
IATA-max. quantity - Passenger:	25 kg
IATA-packing instructions - Cargo:	864
IATA-max. quantity - Cargo:	100 kg

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS:	Yes
Danger releasing substance:	1,3-Benzenedimethanamine, N-(2-phenylethyl) derivs.

14.6. Special precautions for user

No data available

14.7. Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 40, Entry 75	
2004/42/EC (VOC):	< 500 g/l (A+B)
Subcategory according to Directive	Two-pack reactive performance coatings for specific end use such as floors -
2004/42/EC:	Solvent-borne coatings, VOC limit value: 500 g/l

National regulatory information

Employment restrictions: Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC).

Water hazard class (D): 3 - highly hazardous to water

SECTION 16: Other information

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Changes

This data sheet contains changes from the previous version in section(s): 1,9,10,11,12.

Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Acute Tox. 4; H302	Calculation method
Skin Corr. 1B; H314	Calculation method
Eye Dam. 1; H318	Calculation method
Skin Sens. 1A; H317	Calculation method
Aquatic Chronic 2; H411	Calculation method

Relevant H and EUH statements (number and full text)

H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H373	May cause damage to organs () through prolonged or repeated exposure if swallowed.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

Further Information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material. The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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