	SAFETY	DATA SHEET
		No 1907/2006 (REACH) and according to equilation (EU) No 453/2010
	XANEX XDM	B1, XANEX XDM B4
	on date 09. June 2015	Revision no.
	of revision	Version 1
1.1.	ION 1: Identification of the substance/mixture Product identifier substance / mixture Number	XANEX XDM B1, XANEX XDM B4 mixture
1.2.	Other names of the mixture Relevant identified uses of the substance or	mixture and uses advised against
1.2.	Intended use of the mixture	dry mortar mix
	Not recommended use of the mixture	The product should not be used in ways other then thos referred in Section 1.
1.3.	Details of the supplier of the safety data she Manufacturer	
	Name or trade name Place of business or residency Telephone	BAWAX GmbH 77er Strasse 52, celle, 29221 Germany +49 5141 2995037
	Competent person responsible for the safety	
		BAWAX GmbH
1.4.	Emergency telephone number ++49(0)178 310 10 43	
	ION 2: Hazards identification	
2.1.	Classification of the substance or mixture	
	Classification of the mixture in accordance w	with Regulation (EC) No 1272/2008
	A mixture is classified as dangerous.	
	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Dam 1, H318	
	STOT SE 3, H335	
	The classification of the mixture according t A mixture is classified as dangerous.	to Directive 1999/45/EC
	corrosive: C; R 35 sensitising: R 43	
	Full text of all classifications, H-phrases and R-ph	nrases is given in the section 16.
	The most serious adverse physicochemical e	effects
	Unknown The most serious adverse effects on human	health and the environment
		reaction. Causes serious eye damage. May cause respiratory
2.2.	Label elements	
	Warning symbol	
	\sim	
	Signal word Danger	
	Hazardous substances	
	Comont nortland chomicals	

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Cement, portland, chemicals



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Hazard statements

nazara statements	
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
Instructions for sa	fe handling
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P261	Avoid breathing dust
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
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 or doctor/physician.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P501	Dispose of contents/container to local\regional\national\international regulations.

Additional information

Do not use in paint spraying equipment.

2.3. Other hazards

not available

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Mixture of substances specified below and additives.

Mixture contains these hazardous substances and substances with the highest permissible concentration in the working environment

Identification numbers	Name of the substance	Content in % weight		Classification according to Regulation (EC) No 1272/2008	Note
CAS: 65997-15-1 ES: 266-043-4	Cement, portland, chemicals	15-30	R 43	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Eye Dam 1, H318 STOT SE 3, H335	1, 2

Notes

1 Substances for which there are exposure limits Community for working environment.

2 The use of the substance is restricted by Annex XVII of REACH Regulation.

The full text of all standard phrases and guidelines is specified in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

If any health problems are manifested or if in doubt, inform a doctor and show him information from this Safety Data Sheet. If unconscious, put the person in the stabilized (recovery) position on his side with his head slightly bent backwards and make sure that respiratory pathways are free; never induce vomiting. If the person vomits by himself, make sure that the vomit is not inhaled. In life threatening conditions first of all provide resuscitation of the affected person and ensure medical assistance. Respiratory arrest - provide artificial respiration immediately. Cardiac arrest - provide indirect cardiac massage immediately.

Inhalation

Move the affected person to fresh air immediately while paying attention to your own safety; do not let the person walk! Depending on the situation, rinsing of the mouth and/or nose as appropriate with water can be recommended. Change the clothes of the affected person if contaminated by the substances. Protect the affected person against growing cold. Depending on the situation, call medical rescue service or ensure medical treatment considering the need of further observation for at least 24 hours.





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Skin contact

Remove contaminated clothes immediately; take off any rings, watches, bracelets before or during washing if used in the contaminated areas of the skin. Rinse contaminated areas with a flow of water, lukewarm at best, for 10-30 minutes; do not use any brush, soap or neutralizers. Cover corroded parts of skin with sterile dressing; do not apply ointments or other medicines on the skin. Cover the person to ensure protection against growing cold. Depending on the situation, call medical rescue service or ensure medical treatment.

Eye contact

Rinse the eyes immediately with a flow of running water, open the eyelids wide (also using force if needed); remove contact lenses immediately if worn by the person. No neutralization should be performed in any case! Rinsing should be continued for 10-30 minutes from the inner to the outer eye corner to make sure that the other eye is not involved. Depending on the situation, call medical rescue service or ensure medical treatment, specialized if possible, as quickly as possible. Everyone must be referred for treatment even if affected only little.

Ingestion

DO NOT INDUCE VOMITING - danger of further damage to the gastrointestinal tract!!! Danger of esophageal and gastric perforation! RINSE THE MOUTH WITH WATER IMMEDIATELY AND LET THE PERSON DRINK 2-5 dl of cold water to reduce the heating effect of the corrosive substance. Considering an almost immediate effect on the mucous membranes, providing tap water quickly is preferred to any delay due to looking for cooled liquids - the condition of the mucous membrane worsens irreparably with every minute of delay! Carbonated or mineral water is not suitable as they may release gaseous carbon dioxide. Consuming larger amounts of liquid is not advisable as it may induce vomiting and potential inhaling of the corrosive substances in the lungs). The affected person must not be forced to drink, particularly if already feeling pain in the mouth or throat. In this case let the affected person only rinse the mouth with water. DO NOT GIVE ACTIVATED CARBON! (It makes an examination of the gastrointestinal tract membranes more difficult due to their black colouring and does not have a favourable effect with acids and bases.) Do not give anything to eat. Do not give anything by mouth if the person is unconscious or if having cramps. Depending on the situation, call medical rescue service or ensure medical treatment as promptly as possible.

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

Inhalation

Possible irritation of respiratory pathways, cough, headache. **Skin contact** Not expected. **Eye contact** Not expected. **Ingestion** Irritation, nausea.

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

alcohol-resistant foam, carbon dioxide, powder, water spray jet, water mist

Unsuitable extinguishing media

water - full jet

5.2. Special hazards arising from the substance or mixture

Heavy, black smoke is produced in a fire, with potential development of carbon monoxide and dioxide and other toxic gases. Inhalation of hazardous degradation (pyrolysis) products may cause serious health damage.

5.3. Advice for firefighters

Use a self-contained breathing apparatus and full-body protective clothing. Closed containers with the mixture near the fire should be cooled with water. Do not allow run-off of contaminated fire extinguishing material to enter drains or surface and ground water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

The mixture is nonflammable. Provide sufficient ventilation. Use gloves in case of prolonged contact. Follow the instructions in Sections 7 and 8.

6.2. Environmental precautions

Prevent contamination of the soil and entering surface or ground water. Do not allow to enter drains.

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6.3. Methods and material for containment and cleaning up

Spilled mixture should be covered with suitable (nonflammable) absorbing material (sand, kieselguhr, earth and other suitable absorption materials); to be contained in well closed containers and removed as per Section 13. Collected material should be disposed of in accordance with locally valid regulations. Upon an escape of large quantities of the mixture, inform the Fire Department and the Environmental Department of the Municipal Authority with extended scope of competencies. After removal of the mixture, wash the contaminated site with plenty of water or another suitable cleaning material. Do not use solvents.

6.4. Reference to other sections

7, 8 and 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Prevent formation of gases and vapours in flammable or explosive concentrations and concentrations exceeding the highest permissible concentration in the occupational environment. The mixture should be used only in areas where it is not in contact with open fire and other ignition sources. No smoking. Protect against direct sunlight. Electrostatic charge may form during use; use only earthed piping (tubing) when repumping. Use of antistatic clothes and footwear is recommended. Use non-sparking tools. Do not inhale gases and vapours. Prevent contact with skin and eyes. Use personal protective equipment as per Section 8. Observe valid legal regulations laying down safety and health protection.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed containers in cold, dry and well ventilated areas designated for this purpose. Do not expose to sunlight.

Storage class Type of packaging Material of package 8B - Non-combustible corrosive substances sack

PAP (22), Paper (Papers and tapes)



PAP

The specific requirements or rules relating to the substance/mixture Solvent vapours are heavier than air and accumulate especially near the floor where they may form an explosive

mixture with the air.**7.3.** Specific end use(s) not available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

The mixture contains substances for which the following concentration limits in the workplace are determined.

Note
m

European Union

		Limit values				
Name of the substance (component)	CAS number	8 hours		Short-term		Note
		mg/m ³	ppm	mg/m ³	ppm	
cement	65997-15-1	10				



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8.2. Exposure controls

Follow usual measures for health protection at work and especially for good ventilation. This can be achieved only by local suction or efficient general ventilation. If exposure limits cannot be observed in this mode, suitable protection of respiratory pathways must be used. Do not eat, drink and smoke during work. Wash your hands thoroughly with water and soap after work and before breaks for a meal and rest.

Eye and face protection

Protective goggles or face shield (based on the nature of the work performed).

Skin protection

Hand protection: Protective gloves resistant against the product. Observe recommendations of the particular manufacturer of the gloves in the choice of their appropriate thickness, material and permeability. Use barrier creams to protect of the skin, they should however not be applied once exposure has occurred. Observe other recommendations of the manufacturer. Other protection: Protective antistatic clothing made of natural fibres (cotton) or synthetic fibres resistant against elevated temperatures. Contaminated skin should be washed thoroughly.

Respiratory protection

Mask with a filter against organic vapours or a self-contained breathing apparatus as appropriate if exposure limit values of toxic substances are exceeded or in a poorly ventilated environment.

Thermal hazard

not available

Restriction of the environment exposure

Observe usual measures for protection of the environment, see Section 6.2.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	powder
••	solid at 20°C
physical state colour	
	gray
Odour	characteristic
Odour threshold	data not available
pH	13,5 (undiluted at 20 °C)
Melting point/freezing point	data not available
Initial boiling point and boiling range	>1250 °C
Flash point	data not available
Evaporation rate	data not available
Flammability (solid, gas)	data not available
Upper/lower flammability or explosive limits	
flammability limits	data not available
explosive limits	data not available
Vapour pressure	data not available
Vapour density	data not available
Relative density	data not available
Solubility(ies)	
solubility in water	data not available
solubility in fats	data not available
Partition coefficient: n-octanol/water	data not available
Auto-ignition temperature	data not available
Decomposition temperature	data not available
Viscosity	data not available
Explosive properties	data not available
Oxidising properties	data not available
Other information	
Density	1,8 g/cm ³ at 25 °C
auto-ignition temperature	data not available

9.2.

SAFETY DATA SHEET according to Regulation (EC) No 1907/2006 (REACH) and according to Commission Regulation (EU) No 453/2010 XANEX XDM B1, XANEX XDM B4 Revision no. Creation date 09. June 2015 Date of revision Version 1 **SECTION 10: Stability and reactivity** 10.1. Reactivity The mixture is nonflammable 10.2. Chemical stability Under normal conditions, the mixture is stable. 10.3. Possibility of hazardous reactions The mixture is stable under normal conditions. 10.4. Conditions to avoid The mixture is stable and no degradation occurs under normal use. Protect against flames, sparks, overheating and against frost. 10.5. Incompatible materials Protect against strong acids, bases and oxidizing agents. Thereby a dangerous exothermic reaction will be prevented. 10.6. Hazardous decomposition products

monoxide and carbon dioxide, heavy smoke and nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

No toxicological data is available for the mixture.

Acute toxicity

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

Corrosivity

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Route of exposure	Result	Method	Time of exposure	Species	Determining the value of	Source
dermal	negative	OECD 413	48 hour	rabbit		

Not developed under normal uses. Dangerous products are formed at high temperature and in fire, such as carbon

Irritation

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Route of exposure	Result	Method	Time of exposure	Species	Determining the value of	Source
eye	irritating	EPA 870.3800	48 hour	mouse		

Corrosion/skin irritation

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

Serious eye damage / eye irritation

Causes serious eye damage.

Respiratory / skin sensitization

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

Germ cells mutagenicity

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

Carcinogenicity XANEX XDM B1, XANEX XDM B4

Route of exposure	Paramete r	Method	Value	Time of exposure	Specific target organ	Result	Species	Sex	Determin ing the value of	Source
inhalation (gases)			12 mg/kg			negative	bacteria (S.typhim urium)			

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

Reproductive toxicity

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

Toxicity for specific target organ - single exposure



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

Toxicity for specific target organ - repeated exposure

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

Aspiration hazard

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

SECTION 12: Ecological information

12.1. Toxicity

Acute toxicity

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Parameter	Method	Value	Time of exposure	Species	Environm ent	Determining the value of	Source
	EPA OPPTS 850.1025	44 mg/kg	12 hour	microorganisms (Photobacteriu m phosphoreum)		expert opinion	

The product contains no substances with an effect against active action of microorganisms.

12.2. Persistence and degradability

- The mixture is biodegradable. **12.3. Bioaccumulative potential**
 - Insignificant.

12.4. Mobility in soil

The product is soluble and mobile in water and soil. Contamination of water courses may occur in case of rain.

- **12.5.** Results of PBT and vPvB assessment
- The mixture is not classified as PBT or vPvB.

12.6. Other adverse effects

not available

SECTION 13: Disposal considerations

Hazard of environmental contamination; remove waste in accordance with local and/or national regulations.

13.1. Waste treatment methods

Proceed in accordance with valid regulations laying down the disposal of waste. Any unused product and contaminated packaging should be put in labelled containers for waste collection and submitted for disposal to an authorised person for waste removal (specialized company) authorised for such activity. Do not empty unused product in drainage systems. The product must not be disposed of with municipal waste. Empty containers may be used at waste incinerators to produce energy or deposited in a dump with appropriate classification. Perfectly cleaned containers can be submitted for recycling.

Legislation of waste

Council Directive 75/442/EEC on waste, at last amended. Council Directive 91/689/EEC on hazardous waste, as last amended. Decision 94/3/EC establishing a list of wastes, as last amended.

Code of type of waste	101311
Type of waste	wastes from cement-based composite materials other than those mentioned in 10 13 09 and 10 13 10
Subgroup of waste	wastes from manufacture of cement, lime and plaster and articles and products made from them
Waste group	WASTES FROM THERMAL PROCESSES
Another code of type of waste	170101
Type of waste	concrete
Subgroup of waste	concrete, bricks, tiles and ceramics
Waste group	CONSTRUCTION AND DEMOLITION WASTES (INCLUDING EXCAVATED SOIL FROM CONTAMINATED SITES)
Another code of type of waste	101314
Type of waste	waste concrete and concrete sludge
Subgroup of waste	wastes from manufacture of cement, lime and plaster and articles and products made from them
Waste group	WASTES FROM THERMAL PROCESSES

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	Code of type of waste packagin	ng 150101			
Type of waste		paper and cardboard packaging			
	Subgroup of waste	packaging (including separately collected municipal packaging waste)			
Waste group		WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AN PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED			
SECTI	ON 14: Transport information				
14.1.	14.1. UN number				
	not available				
14.2. UN proper shipping name					
	not available				
14.3. Transport hazard class(es)					
	not available				
14.4	· · · · · · · · · · · · · · · · · · ·				
	not available				
14.5. Environmental hazards					
	not available				
14.6. Special precautions for user					
	Reference in Sections 4 to 8.				
14.7.	Annex II of MARPOL 73/78 and the IBC Code				
	not available				

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances

1907/2006, as amended. Directives 67/548/EEC, as amended, and 1999/45/EC, as amended.

and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No.

15.2. Chemical safety assessment

not available

16. SECTION 16: Other information

A list of standard risk phrases used in the safety data sheet

- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H335 May cause respiratory irritation.

Guidelines for safe handeling	used in the safety data sheet
-------------------------------	-------------------------------

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P261	Avoid breathing dust
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
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 or doctor/physician.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P501	Dispose of contents/container to local\regional\national\international regulations.

SAFETY DATA SHEET $\mathbb{B}_{\mathbb{A}}$ according to Regulation (EC) No 1907/2006 (REACH) and according to Commission Regulation (EU) No 453/2010 XANEX XDM B1, XANEX XDM B4 Creation date Revision no 09. June 2015 Date of revision Version 1 List of R-phrases used in the safety data sheet R 38 Irritating to skin. R 41 Risk of serious damage to eyes. R 43 May cause sensitisation by skin contact. Other important information about safety of human health The product must not be - unless specifically approved by the manufacturer/importer - used for purposes other than as per Section 1. The user is responsible for adherence to all related health protection regulations. Key to abbreviations and acronyms used in the safety data sheet European agreement concerning the international carriage of dangerous goods by road ADR BCF **Bioconcentration Factor** CAS Unique Numeric Identifier used in chemistry for chemical substances CLP Classification, Labelling and Packaging DNEL Derived no-effect level Concentration of a substance when it is affected 50% of the population **FC50** EINECS European Inventory of Existing Commercial Chemical Substances Ems Emergency plan ErC50 Environmental Release category ES Identification code for each substance listed in EINECS IATA International Air Transport Association IBC International Code For The Construction And Equipment of Ships Carrying Dangerous Chemicals IC50 Concentration causing 50 % blockade International Civil Aviation Organization ICAO IMDG International Maritime Dangerous Goods Transport LC50 Lethal concentration of a substance in which it can be expected death of 50% of the population LD50 Lethal dose of a substance in which it can be expected death of 50% of the population Lowest observed adverse effect concentration LOAEC LOAEL Lowest observed adverse effect level Log Kow Octanol-water partition coefficient MARPOL International Convention for the Prevention of Pollution From Ships MFAG First Aid Manual NOAEC No observed adverse effect concentration NOAEL No observed adverse effect level NOEC No observed effect concentration NOEL No observed effect level NPK The maximum permissible concentration PBT Persistent ,Bioaccumulative and Toxic PEL Permissible Exposure Limit PNEC Predicted no-effect concentration REACH Registration, Evaluation and Restriction of chemicals (EP and Council Regulation (EC) No.1907/2006) RID Agreement on the transport of dangerous goods by rail Four-digit code reflecting the characteristics of substances or mixtures in transport UN UVCB Substances of unknown or variable composition, complex reaction products or biological materials VOC Volatile organic compounds vPvB Very Persistent and very Bioaccumulative Eye Dam Serious eye damage Skin Irrit. Skin irritation Skin Sens Skin sensitization Skin Sens. Skin sensitization STOT SE Specific target organ toxicity - single exposure



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Training guidelines

Inform the personnel about the recommended ways of use, mandatory protective equipment, first aid and prohibited ways of handling the mixture.

Recommended restrictions of use

not available

Information about the sources of data used to compile the data sheet

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REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL (REACH) as amended, REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL as amended, COMMISSION REGULATION (EU) No 453/2010, COUNCIL DIRECTIVE 67/548/EEC as amended and 1999/45/EC, COMMISSION REGULATION (EU) No 286/2011 amending, for the purposes of its adaptation to technical and scientific progress, Regulation (EC) No 1272/2008 of the European Parliament and of the Council on classification, labelling and packaging of substances and mixtures.

The changes (which information has been added, deleted or modified)

Reworked the classification according to Regulation 1272/2008 (CLP).

Statement

The Safety Data Sheet provides information aimed at ensuring safety and health protection at work and environmental protection. The provided information corresponds to the current status of knowledge and experience and complies with valid legal regulations. The information should not be understood as guaranteeing the suitability and usability of the product for a particular application.