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

 1.1 Product identified

 Trade name
 BEITIOTITE powers.

 Stock number:
 A15795

 CAS Number:
 1302-78-9

 EC number:
 215-108-5

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

 Identified use:
 SU24

1.1 Product identifier

1.3 Details of the supplier of the safety data sheet Manufacturer/Supplier: Alfa

Manufacturer/Supplier:	Alfa Aesar GmbH & A Johnson Matthey Zeppelinstr. 7b 76185 Karlsruhe / Tel: +49 (0) 721 84 Fax: +49 (0) 721 8 Email: tech@alfa.c www.alfa.com	/ Company Germany .007 280
Informing department: 1.4 Emergency telephone number:	Product safety Tel Carechem 24: +44 Poison Information	+ +049 (0) 7275 988687-0 (o) 1235 239 670 (Multi-language emergency number) Center Mainz ainz.de Telephone: +49(0)6131/19240
SECTION 2: Hazards identification		
2.1 Classification of the substance or mixture Classification according to Regulation (EC) I		
GHS07		
Skin Irrit. 2 H315 Causes skin irritation. Eye Irrit. 2 H319 Causes serious eye irritation STOT SE 3 H335 May cause respiratory irritati		
Classification according to Directive 67/548/		99/45/EC
R36/37/38: Irritating to eyes, respiratory syste	em and skin.	
Information concerning particular hazards for human and environment:	Not applicable	
Other hazards that do not result in classification	No information kno	wn
2.2 Label elements Labelling according to Regulation (EC) No 1272/2008 Hazard pictograms Signal word Hazard statements	The substance is c GHS07 Warning H315 Causes skin	lassified and labelled according to the CLP regulation.
Precautionary statements	H319 Causes serio H335 May cause re P261 P305+P351+P338	us eye irritation. sepiratory irritation. Avoid breathing dust/fume/gas/mist/vapours/spray. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P302+P352 P321 P405 P501	IF ON SKIN: Wash with plenty of soap and water. Specific treatment (see on this label). Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.
2.3 Other hazards Results of PBT and vPvB assessment PBT: vPvB:	Not applicable. Not applicable.	
SECTION 3: Composition/information o	n ingredients	
3.1 Substances CAS# Designation:	1302-78-9 Bentoni	te powder
Identification number(s): EC number:	215-108-5	
SECTION 4: First aid measures 4.1 Description of first aid measures After inhalation	Supply fresh air. If persist. Seek immediate m	required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms
After skin contact	Instantly wash with Seek immediate m	water and soap and rinse thoroughly.
After eye contact After swallowing	Rinse opened eye Seek medical treat	for several minutes under running water. Then consult doctor.
4.2 Most important symptoms and effects, both acute and delayed	No further relevant	information available.
4.3 Indication of any immediate medical attention and special treatment needed	No further relevant	information available.
SECTION 5: Firefighting measures		
5.1 Extinguishing media Suitable extinguishing agents	CO2. extinguishing	powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
5.2 Special hazards arising from the substance or mixture		volved in a fire, the following can be released:
5.3 Advice for firefighters Protective equipment:	Wear self-containe Wear full protective	d breathing apparatus.
SECTION 6: Accidental release measure		, ouri
6.1 Personal precautions, protective		
equipment and emergency procedures	Ensure adequate v	uipment. Keep unprotected persons away. entilation
6.2 Environmental precautions:	Do not allow mater Do not allow produ Do not allow to ent	ial to be released to the environment without proper governmental permits. ct to reach sewage system or water bodies. er the ground/soil.
		(Contd. on page 2) DE/E

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6.3 Methods and material for containment and cleaning up: Prevention of secondary hazards: 6.4 Reference to other sections	(Contd. of page 1) No special measures required. See Section 7 for information on safe handling See section 8 for information on personal protection equipment. See Section 13 for information on disposal.
SECTION 7: Handling and storage 7.1 Precautions for safe handling	Keep containers tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation/exhaustion at the workplace.
Information about protection against explosions and fires: 7.2 Conditions for safe storage, including any	Prevent formation of dust. No information known. y incompatibilities
Storage Requirements to be met by storerooms and containers: Information about storage in one common storage facility: Further information about storage	No special requirements. Not required.
conditions: 7.3 Specific end use(s)	Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. No further relevant information available.
SECTION 8: Exposure controls/persona	I protection
Additional information about design of technical systems:	Properly operating chemical fume hood designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.
8.1 Control parameters Components with critical values that require monitoring at the workplace: Additional information:	Not required. No data
8.2 Exposure controls Personal protective equipment General protective and hygienic measures	The usual precautionary measures should be adhered to in handling the chemicals. Keep away from foodstuffs, beverages and food. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. Use breathing protection with high concentrations. Check protective gloves prior to each use for their proper condition. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality.
Breathing equipment: Protection of hands:	Use breathing protection with high concentrations. Check protective gloves prior to each use for their proper condition. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
Material of gloves Penetration time of glove material Eye protection:	Impervious gloves Not determined Safety glasses Face protection
Body protection:	Protective work clothing.
SECTION 9: Physical and chemical prop	
9.1 Information on basic physical and chemic General Information Appearance: Form:	cal properties
Colour: Smell:	Grey Odourless
Odour threshold: pH-value:	Not determined. Not applicable.
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	Not determined Not determined Not determined
Flash point: Inflammability (solid, gaseous) Ignition temperature: Decomposition temperature: Self-inflammability:	Not applicable Not determined. Not determined Not determined Not determined.
Danger of explosion: Critical values for explosion: Lower: Upper: Steam pressure: Density at 20 °C	Product is not explosive. Not determined Not determined Not applicable.
Relative density Vapour density Evaporation rate Solubility in / Miscibility with	X g/cm ³ Not determined. Not applicable. Not applicable.
Water: Partition coefficient (n-octanol/water): Viscosity: dynamic: kinematic: 2 0 otheritormedian	Insoluble Not determined. Not applicable. Not applicable.
9.2 Other information SECTION 10: Stability and reactivity	No further relevant information available.
10.1 Reactivity 10.2 Chemical stability	No information known. Stable under recommended storage conditions.
Thermal decomposition / conditions to be avoided: 10.3 Possibility of hazardous reactions	No decomposition if used and stored according to specifications. No dangerous reactions known (Contd. on page 3) DE/E
	DE/E

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ade name Bentonite powder	
10.6 Hazardous decomposition products:	No decomposition products known. (Contd. of page
SECTION 11: Toxicological information 11.1 Information on toxicological effects Acute toxicity: LD/LC50 values that are relevant for classification: Skin irritation or corrosion: Eye irritation or corrosion: Sensitization: Germ cell mutagenicity: Carcinogenicity: Reproductive toxicity: Specific target organ system toxicity - repeated exposure: Specific target organ system toxicity - single exposure: Aspiration hazard: Additional toxicological information:	No effects known. No data Causes skin irritation. Causes serious eye irritation. No sensitizing effect known. No effects known. The Registry of Toxic Effects of Chemical Substances (RTECS) contains tumorigenic and/or carcinogenic and or neoplastic data for this product. No effects known. No effects known.
SECTION 12: Ecological information	
12.1 Toxicity Aquatic toxicity: 12.2 Persistence and degradability 12.3 Bioaccumulative potential 12.4 Mobility in soil Additional ecological information: General notes:	No further relevant information available. No further relevant information available. No further relevant information available. No further relevant information available. Do not allow material to be released to the environment without proper governmental permits. Generally not hazardous for water.
12.5 Results of PBT and vPvB assessment PBT: vPvB: 12.6 Other adverse effects	Avoid transfer into the environment. Not applicable. No further relevant information available.
SECTION 13: Disposal considerations 13.1 Waste treatment methods Recommendation	Hand over to disposers of hazardous waste. Must be specially treated under adherence to official regulations. Consult state, local or national regulations for proper disposal.
Uncleaned packagings: Recommendation:	Disposal must be made according to official regulations.
SECTION 14: Transport information	
UN-Number ADR, IMDG, IATA	None
14.2 UN proper shipping name ADR, IMDG, IATA	None
14.3 Transport hazard class(es) ADR, IMDG, IATA Class	None
Packing group ADR, IMDG, IATA	None
14.5 Environmental hazards:	Not applicable.
14.6 Special precautions for user 14.7 Transport in bulk according to Annex II of	Not applicable. of MARPOL73/78 and the IBC
Code Transport/Additional information:	Not applicable. Not dangerous according to the above specifications.
SECTION 15: Regulatory information	
15.1 Safety, health and environmental regulat	tions/legislation specific for the substance or mixture
Australian Inventory of Chemical Substances	Substance is listed.
Standard for the Uniform Scheduling of Drugs and Poisons	Substance is not listed.
National regulations Information about limitation of use:	Employment restrictions concerning young persons must be observed. For use only by technically qualified individuals.
Water hazard class: Other regulations, limitations and prohibitive ELINCS (European List of Notified Chemical Substances) Substances of very high concern (SVHC) according to REACH, Article 57 REACH - Pre-registered substances 15.2 Chemical safety assessment:	Generally not hazardous for water. regulations Substance is not listed. Substance is not listed. Substance is listed. A Chemical Safety Assessment has not been carried out.
SECTION 16: Other information Employers should use this information only as a this information to ensure proper use and protec not in conformance with this Material Safety Dat	a supplement to other information gathered by them, and should make independent judgement of suitability of ct the health and safety of employees. This information is furnished without warranty, and any use of the proc ta Sheet, or in combination with any other product or process, is the responsibility of the user.
	Health, Safety and Environmental Department. ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage

Health, Safety and Environmental Department. ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDE: International Maritime Code for Dangerous Goods IATA: International Maritime Code for Dangerous Goods IATA: International Air Transport Association GHS: Globally Harmonized System of Classification and Labelling of Chemicals (Control on page 4) Abbreviations and acronyms:

(Contd. on page 4)

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EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) LC50: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent

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