

SAFETY DATA SHEET

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			Print	date: 07.0)5.20		
			Version:	5 / DE		Date revise	d: 24.05.201
			Replaces	Version:	4 / DE		
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	uct identifier sker hell						
	ant identified uses of the	substance o	r mixture and	usos advis	ed against		
					cu ugumst		
Coloura	e substance/preparation nt						
1.3. Detai	Is of the supplier of the sa	fety data she	eet				
Address	Deffner & Johann GmbH Mühläckerstraße 13 D-97520 Röthlein						
	Tel.+49 9723 9350-0Fax+49 9723 9350-25E-Mailinfo@deffner-joha						
1.4. Emer	gency telephone number Tel. +49 9723 9350-0 (Mo.	- Fr.: 8:00 -	15:00 Uhr)				
SECTION 2:	Hazards identification **	*					
2.1. Class	ification of the substance	or mixture					
This pro	duct is not classified hazard	ous in accord	dance with Reg	ulation (EC)) No 1272/20	08.	
2.2. Label	elements						
Suppleme	s component(s) to be indicental information ***						
EUH21(S	afety data shee	et available	on request.		
2.3. Other Dust loa							
SECTION 3:	Composition/informatio	n on ingred	dients				
3.2. Mixtu	res	-					
Chemical	characterization mixture, inorganic construct	ion					
	gredients						
	m fluoride						
CAS No Concen)= 1	4542-23-5 <	10	%	[5]	
Note							
[5] Subs	tance with EU occupational	exposure lim	iits				
SECTION 4:	First aid measures						
4.1. Desc	ription of first aid measure	S					
	nformation of persistent symptoms cons	sult doctor.					
After inha Remove After skin	lation e the casualty into fresh air a contact	nd keep him				edical treatment.	
	ff immediately with soap and	water. Cons	ult a doctor if s	kin irritation	persists.		

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Rinse cautiously with water for several Seek medical advice immediately.	minutes. Remove contact lenses, if present and	l easy to do. Continue rinsing.
After ingestion Rinse mouth thoroughly with water. Ca Adhere to personal protective measure	II in a physician immediately and show him the S	Safety Data Sheet.
First aider: Pay attention to self-protect		
4.2. Most important symptoms and effe	ects, both acute and delayed	
Until now no symptoms known so far.		
	al attention and special treatment needed	
Hints for the physician / treatment Treat symptomatically		
ECTION 5: Firefighting measures		
5.1. Extinguishing media		
Suitable extinguishing media Water spray jet, Foam, Carbon dioxide		
Non suitable extinguishing media Full water jet		
5.2. Special hazards arising from the s	ubstance or mixture released: Sulphur oxides; Irritant and harmful of	combustion products.
5.3. Advice for firefighters	·····	
Special protective equipment for fire-fi Use self-contained breathing apparatus		
Other information Fire residues and contaminated fire-figl	hting water must be disposed of in accordance v	with the local regulations.
SECTION 6: Accidental release measur	res	
6.1. Personal precautions, protective e	equipment and emergency procedures	
	st. Use breathing apparatus if exposed to vapou leakage/spillage of product. Use personal protec emove persons to safety.	
6.2. Environmental precautions		
Do not discharge into the drains/surface of contaminated wash water.	e waters/groundwater. Do not discharge into the	e subsoil/soil. Retain and dispose
6.3. Methods and material for containn	nent and cleaning up	
Avoid raising dust. Pick up mechanicall	ly. When picked up, treat material as prescribed	under Section 13 "Disposal".
6.4. Reference to other sections		
Information regarding Safe handling, se Information regarding waste disposal, s	ee Section 7. Information regarding personal pro	otective measures, see Section 8.
ECTION 7: Handling and storage		
7.1. Precautions for safe handling		
Advice on safe handling		
Avoid the formation and deposition of d	lust. Provide exhaust ventilation if dust is formed Provide suitable exhaust ventilation at the process official without exhaust ventilation facilities. If wor	ssing machines. Use breathing

Handle and open container with care. Provide suitable exhaust ventilation at the processing machines. Use breathing apparatus when transferring large quantities without exhaust ventilation facilities. If workplace limits are exceeded, a respiratory protection approved for this particular job must be worn. Observe the usual precautions for handling chemicals.

Advice on protection against fire and explosion

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Hints on storage assembly

Replaces Version: 4 / DE Do not store together with foodstuffs. Do not store together with: Acids Further information on storage conditions Keep container tightly closed and dry in a cool, well-ventilated place. Protect from direct sunlight. Protect from extreme heat and cold.			Print date: 07.05.20	
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Hand protection Protective gloves	If workplace limits are exceeded, a r			r job must be worn. Particle filter P2;
Protective gloves	• • • •			
	Protective aloves			

Safety glasses with side protection shield

Body protection Clothing as usual in the chemical industry.

	Print date: 07.05.20	
	Version: 5 / DE	Date revised: 24.05.20
	Replaces Version: 4 / DE	
ECTION 9: Physical and chemical pro	operties	
9.1. Information on basic physical and	d chemical properties	
Form	Powder	
Colour	see tradename	
Odour	characteristic	
Odour threshold Remarks	not determined	
pH value		
Remarks	not determined	
Melting point		
Remarks	not determined	
Freezing point		
Remarks	not determined	
Initial boiling point and boiling range		
Remarks	not determined	
Flash point		
Remarks	Not applicable	
Evaporation rate (ether = 1) : Remarks	not determined	
	not determined	
Flammability (solid, gas) not determined		
Upper/lower flammability or explosive	limite	
Remarks	not determined	
Vapour pressure		
Remarks	not determined	
Vapour density		
Remarks	not determined	
Density Remarks	not determined	
	not determined	
Solubility in water	not dotorminod	
Remarks	not determined	
Solubility(ies)		
Remarks	not determined	
Partition coefficient: n-octanol/water		
Remarks	not determined	
Ignition temperature		
Remarks	not determined	
Decomposition temperature		
Remarks	not determined	
Viscosity		
Remarks	not determined	
Explosive properties		
evaluation	not determined	
Oxidising properties		
Remarks	not determined	
9.2. Other information		
Other information		
None known		
ECTION 10: Stability and reactivity		
10.1. Reactivity		
No hazardous reactions when stored a	and handled according to prescribed instructions.	
10.2. Chemical stability		

10.2. Chemical stability

No hazardous reactions known. 10.1 Possibility of hazardous reactions No hazardous reactions known. 10.4 Conditions to avoid No hazardous reactions known. Decomposition temperature Remarks not determined 10.5. Incompatible materials Reducing agents, Acids Barium oxides, sulphurous oxides (SOX) CTION 11: Toxicological information 11.1. Information on toxicologizal effects Acute orial toxicity Remarks not determined Acute orial toxicity Remarks not determined Acute orial toxicity Remarks not determined		Print date: 07.05.20	
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Biodegradability	General information		
		not determined	

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General information		
not determined		
Partition coefficient: n-octanol/water Remarks	not determined	
12.4. Mobility in soil		
General information not determined		
12.5. Results of PBT and vPvB assessm	nent	
General information not determined		
12.6. Other adverse effects		
General information		
not determined General information / ecology Ecological data are not available. Do no	t discharge product unmonitored into the envir	onment.
ECTION 13: Disposal considerations		
13.1. Waste treatment methods		
	duct nd authorized waste disposal site in accordance aste disposal operator and/or the competent Au	
Disposal recommendations for packagi Packaging that cannot be cleaned shoul Uncontaminated packaging may be take	ld be disposed off as product waste.	
ECTION 14: Transport information		
Land transport ADR/RID		
The product does not constitute a hazar	dous substance in land transport.	
Marine transport IMDG/GGVSee		
The product does not constitute a hazar	dous substance in sea transport.	
Air transport ICAO/IATA		
The product does not constitute a hazar	dous substance in air transport.	
ECTION 15: Regulatory information ***	*	
15.1. Safety, health and environmental i	regulations/legislation specific for the subs	tance or mixture
Water Hazard Class (Germany) ***		
Water Hazard Class (Germany) Not	t water hazardous rivation of WGK according to Annex 1 No. 5.2 .	AwSV
15.2. Chemical safety assessment		
For this preparation a chemical safety as	ssessment has not been carried out.	
ECTION 16: Other information		
Abbreviations		
ADR: Accord européen relatif au transpo	ort international des marchandises Dangereus	es par Route
AGW: Arbeitsplatzgrenzwert AwSV: Verordnung über Anlagen zum L	Jmgang mit wassergefährdenden Stoffen (Ordi	inance on facilities for handling
substances that are hazardous to water		nance on radines for handling
BGW: Biologischer Grenzwert		
CAS: Chemical Abstracts Service DNEL: Derived no effect level		
	g Commercial Chemical Substances	

EINECS: European Inventory of Existing Commercial Chemical Substances ELINCS: European List of Notified Chemical Substances

Safety data sheet in accordance with regulation (EC) No 1907/2006 Print date: 07.05.20 Version: 5 / DE Date revised: 24.05.2019 Replaces Version: 4 / DE GGVSee: Gefahrgutverordnung See IARC: International Agency for Research on Cancer IATA: International Air Transport Association ICAO: International Civil Aviation Organization IMDG: International Maritime Code for Dangerous Goods LC: Lethal concentration LD: Lethal dose MAK: Maximale Arbeitsplatz-Konzentration NOEC: No observable effect concentration NOEL: No observable effect level OECD: Organisation for Economic Co-operation and Development OEL: Occupational exposure limit PBT: Persistent, Bioaccumulative and Toxic PNEC: Predicted no effect concentration RID: Règlement concernant le transport international ferroviaire de marchandises dangereuses TRGS: Technische Regeln für Gefahrstoffe VDI: Verein Deutscher Ingenieure VLEP: Valeurs Limites d'exposition Professionnelle vPvB: Very persistent and very bioaccumulative WGK: Wassergefährdungsklasse (water hazard class) Supplemental information These data is based on our present knowledge and experience respectively supplier-information. This safety data sheet

These data is based on our present knowledge and experience respectively supplier-information. This safety data sheet describes the product in regard to the requirements of safety. The information does not represent a assurance for certain properties. Existing laws and regulations are to be observed by the recipient of our products in own responsibility. It is the responsibility of the user, to determine if the product is suitable for the deliberate operational area and the respective intended purpose. A liability for damages in connection with the use of this information is excluded. Relevant changes compared with the previous version of the safety data sheet are marked with: ***