

Safety Data Sheet per OSHA HazCom 2012



Product name: 5-Chloromethyl-1H-tetrazole (Contd. of page 1) Information for doctor Most important symptoms and effects, both acute and delayed No further relevant information available. Indication of any immediate medical attention and special treatment needed No further relevant information available. 5 Fire-fighting measures Extinguishing media Suitable extinguishing agents Carbon dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Special hazards arising from the substance or mixture If this product is involved in a fire, the following can be released: Carbon monoxide and carbon dioxide Nitrogen oxides (NOx) Hydrogen chloride (HCI) Advice for firefighters Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit. 6 Accidental release measures Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away. Ensure adequate ventilation Environmental precautions: Do not allow product to reach sewage system or any water course. Methods and material for containment and cleaning up: Ensure adequate ventilation. Prevention of secondary hazards: No special measures required. Reference to other sections See Section 7 for information on safe handling See Section 8 for information on personal protection equipment. See Section 13 for disposal information. 7 Handling and storage Handling Precautions for safe handling Keep container tightly sealed. Store in cool, dry place in tightly closed containers. Ensure good ventilation at the workplace. Information about protection against explosions and fires: No information known. Conditions for safe storage, including any incompatibilities Storage Requirements to be met by storerooms and receptacles: No special requirements. Information about storage in one common storage facility: Store away from oxidizing agents. Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. Specific end use(s) No further relevant information available. 8 Exposure controls/personal 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. Control parameters Components with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. Additional information: No data Exposure controls Exposure controls Personal protective equipment General protective and hygienic measures The usual precautionary measures for handling chemicals should be followed. Keep away from foodstuffs, beverages and feed. Remove all soiled and contaminated clothing immediately. Wash hands before breaks and at the end of work. Avoid contact with the aves and exin. Avoid contact with the eyes and skin. Maintain an ergonomically appropriate working environment. **Breathing equipment:** Use suitable respirator when high concentrations are present. Protection of hands: Impervious gloves Impervious gloves Check protective gloves prior to each use for their proper condition. The selection of suitable gloves not only depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. **Penetration time of glove material (in minutes)** Not determined **Eye protection:** Safety glasses **Body protection:** Protective work clothing. 9 Physical and chemical properties Information on basic physical and chemical properties General Information Appearance: Form: Solid Color: White Not determined Odor: Odor threshold: Not determined. Not applicable. pH-value: Change in condition Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Not determined Not determined Not determined Not determined. Not determined Not determined

5-Chloromothyl-1H-totrazolo duct Dr

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Product name: 5-Chloromethyl-1H-	-tetrazole	
		(Contd. of page 2)
Auto igniting:	Not determined.	
Danger of explosion:	Not determined.	_
Explosion limits: Lower:	Not determined	
Upper:	Not determined	
Vapor pressure: Density:	Not applicable. Not determined	
Relative density	Not determined.	
Vapor density Evaporation rate	Not applicable.	
Solubility in / Miscibility with	Not applicable.	
Water:	Not determined	
Partition coefficient (n-octanol/wate Viscosity:	r): Not determinea.	
dynamic:	Not applicable.	
kinematic: Other information	Not applicable. No further relevant information available.	
		<u> </u>
10 Stability and reactivity Reactivity No information known.	······································	
Thermal decomposition / conditions	ommended storage conditions. Is to be avoided: Decomposition will not occur if used and stored according to specifications. Reacts with strong ovidizing agents	
	Neacis with strong oxidizing agents	
Conditions to avoid No further releva Incompatible materials: Oxidizing ag	int information available. tents	
Incompatible materials: Oxidizing ag Hazardous decomposition products	s:	
Carbon monoxide and carbon dioxide		
Nitrogen oxides Hydrogen chloride (HCl)		
11 Toxicological information		
Information on toxicological effects	2	
Acute toxicity: No effects known.		1
LD/LC50 values that are relevant for	r classification: No data	1
Skin irritation or corrosion: Causes Eye irritation or corrosion: Causes s	serious eye irritation.	
Sensitization: No sensitizing effects k Germ cell mutagenicity: No effects k	known.	
Germ cell mutagenicity: No effects K	known. ata on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.	
Reproductive toxicity: No effects kno	iown.	1
Specific target organ system toxicit	i tv - repeated exposure: No effects known.	1
Specific target organ system toxicit Aspiration hazard: No effects known.	ity - single exposure: May cause respiratory irritation.	1
Subacute to chronic toxicity: No effe	fects known.	
Additional toxicological information	n : To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.	
12 Ecological information		
Toxicity		1
Aquatic toxicity: No further relevant in Persistence and degradability No fur	information available.	
Persistence and degradability No fun Bioaccumulative potential No further	In the relevant information available.	
Mobility in soil No further relevant info	formation available.	
Additional ecological information:		
General notes: Do not allow undiluted product or large	e quantities to reach ground water, water course or sewage system.	
Avoid transfer into the environment.		
Results of PBT and vPvB assessme PBT: Not applicable.	ent	
vPvB: Not applicable.		
Other adverse effects No further rele	avant information available.	
13 Disposal considerations		
Waste treatment methods		
Recommendation Consult state, local	al or national regulations to ensure proper disposal.	
Uncleaned packagings: Recommendation: Disposal must be	e made according to official regulations.	
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14 Transport information		
UN-Number DOT, ADN, IMDG, IATA	Not applicable	
UN proper shipping name		
DOT, ADN, IMDG, IATA	Not applicable	
Transport hazard class(es)		
DOT, ADR, ADN, IMDG, IATA	Notamianha	
Class Backing group	Not applicable	
Packing group DOT, IMDG, IATA	Not applicable	
Environmental hazards:	Not applicable.	
Special precautions for user	Not applicable.	
<u> </u>	nex II of MARPOL73/78 and the IBC Code Not applicable.	
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		USA —

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Product name: 5-Chloromethyl-1H-tetrazol	e
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Transport/Additional information:	
DOT Marine Pollutant (DOT):	No
UN "Model Regulation":	
15 Regulatory information Safety, health and environmental regulations/ GHS label elements The product is classified an Hazard pictograms	/legislation specific for the substance or mixture ad labeled in accordance with 29 CFR 1910 (OSHA HCS)
GHS07	
P305+P351+P338 IF IN EYES: Rinše cautiously P304+P340 IF INHALED: Remove person P405 Store locked up. P501 Dispose of contents/container National regulations This product is not listed in the U.S. Environment to research and development only. This product r product must not be used for commercial purpose	ctive clothing/eye protection/face protection. with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. to fresh air and keep comfortable for breathing. r in accordance with local/regional/national/international regulations. tal Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restrict must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This es or in formulations for commercial purposes. stic Substances List (DSL) or the Canadian Non-Domestic Substances List (NDSL). tings) Substance is not listed.
Prop 65 - Developmental toxicity Substance is Prop 65 - Developmental toxicity, female Subs Prop 65 - Developmental toxicity, male Substa Information about limitation of use: For use on Other regulations, limitations and prohibitive is Substance of Very High Concern (SVHC) acco	not listed. stance is not listed. ance is not listed. ny by technically qualified individuals.
Annex XIV of the REACH Regulations (requirin Chemical safety assessment: A Chemical Safe	i ng Authorisation for use) Substance is not listed. ety Assessment has not been carried out.
6 Other information Employers should use this information only as a s	supplement to other information gathered by them, and should make independent judgement of suitability of this health and safety of employees. This information is furnished without warranty, and any use of the product not ir t, or in combination with any other product or process, is the responsibility of the user.
Department issuing SDS: Global Marketing Dep	partment
WHMIS: Workplace Hazardous Materials Information System (Ca LCS0: Lethal concentration, 50 percent LD50: Lethal dose, 50 percent vPvB: very Persistent and very Bioaccumulative	inada)