





## Product name: 3-(Trifluoromethyl)pyridine-2-carboxylic acid

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Information for doctor Most important symptoms and effects	s, 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 diovide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam			
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			
Hydrogen fluoride (HF) Nitrogen oxides (NOx) Advice for firefighters			
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 material to be released to the environment without proper governmental permits. 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.	a protection equipment.		
7 Handling and storage			
Handling			
Precautions for safe handling Keep container tightly sealed.			
Keep container tightly sealed. Store in cool, dry place in tightly closed Ensure good ventilation at the workplace	containers.		
Information about protection against	explosions and fires: No information known.		
Conditions for safe storage, including Storage	g any incompatibilities		
Requirements to be met by storeroon	ns and receptacles: No special requirements.		
Information about storage in one con Further information about storage co.	nmon storage facility: Store away from oxidizing agents. Inditions:		
Keep container tightly sealed. Store in cool, dry conditions in well seal			
Specific end use(s) No further relevant	t 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 red			
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			
Personal protective equipment General protective and hygienic measures			
The usual precautionary measures for h Keep away from foodstuffs, beverages a	nandling chemicals should be followed.		
Remove all soiled and contaminated clothing immediately.			
Wash hands before breaks and at the end of work. 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			
Check protective gloves prior to each us	se for their proper condition. y 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 cloth	ing.		
9 Physical and chemical properties			
Information on basic physical and chemical properties			
General Information Appearance:			
Form:	Solid Not determined		
Odor: Odor threshold:	Not determined Not determined.		
pH-value:	Not applicable.		
Change in condition Melting point/Melting range:	125-130 °C (257-266 °F)		
Boiling point/Boiling range: Sublimation temperature / start:	Not determined Not determined		
Flammability (solid, gaseous)	Not determined.		
Ignition temperature: Decomposition temperature:	Not determined Not determined		
Auto igniting:	Not determined.	(Contd. on page 3)	

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		viewed on 06/05/2013
Product name: 3-(Trifluoromethyl)p	vridine-2-carboxylic acid	
		(Contd. of page 2)
Danger of explosion:	Not determined.	(C0/itu. 0/ page ∠)
Explosion limits:		
Lower: Upper:	Not determined Not determined	
Vapor pressure:	Not applicable. Not determined	I
Density: Relative density	Not determined.	
Vapor density Evaporation rate	Not applicable. Not applicable.	I
Solubility in / Miscibility with		I
Water: Partition coefficient (n-octanol/water)	Not determined ): Not determined.	
Viscosity:	, ,	
dynamic: kinematic:	Not applicable. Not applicable.	
Other information	No further relevant information available.	
10 Stability and reactivity		
Reactivity No information known. Chemical stability Stable under recom	amondod storado conditions	
Conditions to avoid No further relevan Incompatible materials: Oxidizing age Hazardous decomposition products: Carton monovide and carbon dioxide	nt information available. ents	
Hydrogen fluoride Nitrogen oxides		
11 Toxicological information		
Information on toxicological effects Acute toxicity: No effects known.		
LD/LC50 values that are relevant for a	classification: No data	
Skin irritation or corrosion: Causes su Eve irritation or corrosion: Causes se	skin irritation. erious eve irritation	
Sensitization: No sensitizing effects kn Germ cell mutagenicity: No effects kn	IOUS Eye Initation. IOWN.	
Germ cell mutagenicity: No effects kin Carcinogenicity: No classification date	nown. a on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.	
<b>Reproductive toxicity:</b> No effects know	Wn.	
Specific target organ system toxicity	<ul> <li>repeated exposure: No effects known.</li> <li>single exposure: May cause respiratory irritation.</li> </ul>	
Aspiration hazard: No effects known		
Subacute to chronic toxicity: No effect Additional toxicological information:	cts known. : To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.	
12 Ecological information		
Toxicity		
Aquatic toxicity: No further relevant im Persistence and degradability No furt	ther relevant information available	
Bioaccumulative potential No further a Mobility in soil No further a Mobility in soil No further relevant info	her relevant information available. relevant information available.	
Mobility in soil No further relevant info Additional ecological information:	rmation available.	I
General notes:		
Do not allow material to be released to a	the environment without proper governmental permits. quantities to reach ground water, water course or sewage system.	
Avoid transfer into the environment.		I
Results of PBT and vPvB assessmen PBT: Not applicable.	it	
vPvB: Not applicable. Other adverse effects No further releva	ent information available	1
	ant information available.	
13 Disposal considerations		I
Waste treatment methods Recommendation Consult state, local of	or national regulations to ensure proper disposal.	
Uncleaned packagings: Recommendation: Disposal must be n		
	hade according to official regulations.	
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 Class	Not applicable	
Packing group DOT, IMDG, IATA		
DOT, IMDG, IATA Environmental hazards:	Not applicable Not applicable.	
Special precautions for user	Not applicable.	
	x II of MARPOL73/78 and the IBC Code Not applicable.	
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	Neviewed of 00/05/2013
Product name: 3-(Trifluoromethyl)pyridine-2-c	arboxylic acid
	(Contd. of page 3)
Transport/Additional information: DOT	
Marine Pollutant (DOT):	No
UN "Model Regulation":	
15 Regulatory information	
Safety, health and environmental regulations/legis GHS label elements The product is classified and lab Hazard pictograms	s <b>lation specific for the substance or mixture</b> seled in accordance with 29 CFR 1910 (OSHA HCS)
GHS07	
P405 Store locked up. P501 Dispose of contents/container in ad National regulations This product is not listed in the U.S. Environmental Pri to research and development only. This product must product must not be used for commercial purposes or This product is not listed on the Canadian Domestic S SARA Section 313 (specific toxic chemical listings California Proposition 65 Prop 65 - Chemicals known to cause cancer Substa Prop 65 - Developmental toxicity, Substance is not li Prop 65 - Developmental toxicity, male Substance is Information about limitations and prohibitive regul Substance of Very High Concern (SVHC) according	Substances List (DSL) or the Canadian Non-Domestic Substances List (NDSL). s) Substance is not listed. isted. is not listed. / technically qualified individuals. / technically qua
information to ensure proper use and protect the healt conformance with this Material Safety Data Sheet, or i	lement to other information gathered by them, and should make independent judgement of suitability of this th and safety of employees. This information is furnished without warranty, and any use of the product not in in combination with any other product or process, is the responsibility of the user.
Department issuing SDS: Global Marketing Departm Date of preparation / last revision 11/24/2015 / - Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses DOT: US Department of Transportation CAS: Chemical Abstracts Service (division of the American Chemical So	
ADR: Accord européen sur le transport des marchandises dangereuses DOT: US Department of Transportation CAS: Chemical Abstracts Service (division of the American Chemical So HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System (Canada) LC50: Lethal dose, 50 percent LD50: Lethal dose, 50 percent vPvB: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (U OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer	<i>I</i> (SA)
OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer	

INP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)