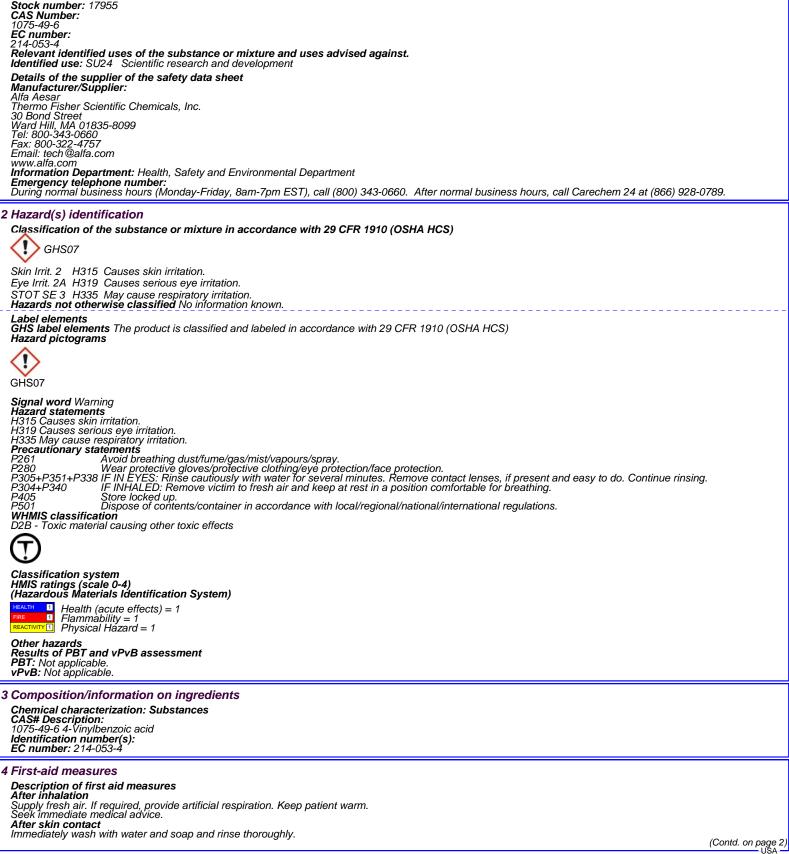




1 Identification Product identifier Product name: <u>4-Vinylbenzoic acid</u> Stock number: 17955 CAS Number:



## Product name: 4-Vinylbenzoic acid

		(Contd. of page 1)	
After swallowing Seek medical treatme Information for doctor		(Conta. or page 1)	
Most important symptoms and effects Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. Indication of any immediate medical a	ts, both acute and delayed attention and special treatment needed No further relevant information available.		
-		i '	
5 Fire-fighting measures Extinguishing media Suitable extinguishing agents Carbon Special hazards arising from the subs If this product is involved in a fire, the foo Carbon monoxide and carbon dioxide Advice for firefighters Protective equipment: Wear self-contained respirator. Wear fully protective impervious suit.	n dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. Istance or mixture Iolowing can be released:		
6 Accidental release measures			
<b>Personal precautions, protective equi</b> Wear protective equipment. Keep unpro Ensure adequate ventilation	otected persons away.		
Environmental precautions: Do not all Methods and material for containmen Prevention of secondary hazards: No Reference to other sections			
See Section 7 for information on safe ha See Section 8 for information on person See Section 13 for disposal information.	nal protection equipment.		
7 Handling and storage			
Handling Precautions for safe handling Keep container tightly sealed. Ensure good ventilation at the workplace	ce. t <b>explosions and fires:</b> No information known.		
Conditions for safe storage, including	•		
Storage Requirements to be met by storeroon	ms and receptacles: Refrigerate		
Information about storage in one com Store in the dark.	nmon storage facility:		
Protect from heat. Store away from strong bases.			
Store away from oxidizing agents. Store away from amines.			
Further information about storage con Keep container tightly sealed.	nditions:		
Protect from exposure to light. Refrigerate	and the second states		
Specific end use(s) No further relevant			
Control parameters Components with limit values that red The product does not contain any releva Additional information: No data	equire monitoring at the workplace: ant quantities of materials with critical values that have to be monitored at the workplace.		
Exposure controls Personal protective equipment			
Personal protective equipment General protective and hygienic meas The usual precautionary measures for h	sures bandling chemicals should be followed		
The usual precautionary measures for h Keep away from foodstuffs, beverages a Remove all soiled and contaminated clo			
Wash hands before breaks and at the er Avoid contact with the eves and skin.	othing immediately. end of work. working environment. spirator when high concentrations are present.		
Maintain an ergonomically appropriate w Reathing equinment: Use suitable res	Norking environment.		
Protection of hands:			
Check protective gloves prior to each us The selection of suitable gloves not only	se for their proper condition. y depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer.		
	Eve protection: Safety glasses Body protection: Protective work clothing.		
9 Physical and chemical properties			
Information on basic physical and chemical properties General Information Appearance:			
'Form: Odor:	Crystalline powder Odorless		
Odor threshold: pH-value:	Not determined. Not applicable.		
		(Contd. on page 3)	
		USA	

## Product name: 4-Vinvlbenzoic acid

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		usion date 05/03/2016
Product name: 4-Vinylbenzoic acid	1	
		(Contd. of page 2)
Change in condition Melting point/Melting range:	ca 142 °C (ca 288 °F)	
Boiling point/Boiling range: Sublimation temperature / start:	Not determined  Not determined	
Flash point:	Not applicable	
Flammability (solid, gaseous) Ignition temperature:	Not determined. Not determined	
Decomposition temperature: Auto igniting:	Not determined Not determined	
Danger of explosion:	Product does not present an explosion hazard.	
Explosion limits: Lower:	Not determined	
Upper:	Not determined	
Vapor pressure: Density at 20 °C (68 °F):	Not applicable. 1.3 g/cm³ (10.849 lbs/gal)	
Relative density Vapor density	Not determined. Not applicable.	
Evaporation rate Solubility in / Miscibility with	Not applicable.	
Water: Partition coefficient (n-octanol/water)	Slightly soluble	
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	mmended storage conditions. <b>s to be avoided</b> : Decomposition will not occur if used and stored according to specifications.	
Possibility of hazardous reactions Re	Reacts with strong oxidizing agents	
Conditions to avoid No further relevan Incompatible materials:	nt information available.	
Oxidizing agents Bases		
Amines		
Heat Light	· · · ·	
Hazardous decomposition products:	: Carbon monoxide and carbon dioxide	
11 Toxicological information		
Information on toxicological effects Acute toxicity: No effects known.		1
LD/LC50 values that are relevant for	r classification: No data	
Skin irritation or corrosion: Causes s Eye irritation or corrosion: Causes se	skin irritation. serious eve irritation.	
Sensitization: No sensitizing effects kn Germ cell mutagenicity: No effects kn	known. Inown.	
Carcinogenicity: No classification data Reproductive toxicity: No effects know	ta on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH,	
Specific target organ system toxicity	t <b>y - repeated exposure:</b> No effects known.	
Specific target organ system toxicity Aspiration hazard: No effects known.	y - single exposure: May cause respiratory irritation.	
Subacute to chronic toxicity: No effect		
Carcinogenic categories	, , , , , , , , , , , , , , , , , , ,	
OSHA-Ca (Occupătional Safety & He	ealth Administration) Substance is not listed.	
12 Ecological information		
Toxicity	en an ann	
Aquatic toxicity: No further relevant in Persistence and degradability No furt	rther relevant information available.	
Bioaccumulative potential No further Mobility in soil No further relevant info	r relevant information available.	
Additional ecological information: General notes:		1
Do not allow material to be released to	the environment without proper governmental permits.	
Avoid transfer into the environment.	e quantities to reach ground water, water course or sewage system.	
Results of PBT and vPvB assessment PBT: Not applicable.	nt	
vPvB: Not applicable. Other adverse effects No further relev	wart information available	
13 Disposal considerations		
Waste treatment methods Recommendation Consult state, local	l or national regulations to ensure proper disposal.	I
Uncleaned packagings: Recommendation: Disposal must be n		
•		
14 Transport information		
UN-Number DOT, ADN, IMDG, IATA	Not applicable	
UN proper shipping name		
DOT, ADN, IMDG, IATA	Not applicable	(Contd. on page 4)
		(OUTILU. OTI pugo 1)

	Revision date 05/03/2016
Product name: 4-Vinylbenzoic acid	
	(Contd. of page 3)
Transport hazard class(es)	
DOT, ADR, ADN, IMDG, IATA	
Class Booking group	Not applicable
Packing group DOT, IMDG, IATA	Not applicable
Environmental hazards:	Not applicable.
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MAR	POL73/78 and the IBC Code Not applicable.
Transport/Additional information:	
DOT Marine Pollutant (DOT):	No
UN "Model Regulation":	-
<b>15 Regulatory information</b> Safety, health and environmental regulations/le GHS label elements The product is classified and Hazard pictograms GHS07	egislation specific for the substance or mixture I labeled in accordance with 29 CFR 1910 (OSHA HCS)
P305+P351+P338 IF IN EYES: Rinse cautiously w P304+P340 IF INHALED: Remove victim to P405 Store locked up. P501 Dispose of contents/container i National regulations This product is not listed in the U.S. Environmenta to research and development only. This product m product must not be used for commercial purpose. This product is not listed on the Canadian Domest SARA Section 313 (specific toxic chemical listi California Proposition 65 Prop 65 - Chemicals known to cause cancer Su Prop 65 - Developmental toxicity, substance is n Prop 65 - Developmental toxicity, male Substan Information about limitation of use: For use onl	ive clothing/eye protection/face protection. with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. in accordance with local/regional/national/international regulations. al Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted nust be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This s or in formulations for commercial purposes. tic Substances List (DSL) or the Canadian Non-Domestic Substances List (NDSL). ings) Substance is not listed. Jubstance is not listed. ance is not listed. to is listed. to is to itsted. to is not listed. to is not listed. to be used by qualified individuals. egulations rding to the REACH Regulations (EC) No. 1907/2006. Substance is not listed. tice 67 and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the
information to ensure proper use and protect the h conformance with this Material Safety Data Sheet, Department issuing SDS: Global Marketing Depa Date of preparation / last revision 05/04/2016 /-	-