



	n 10/20/2010
1 Identification	
Product identifier Product name: 3-Fluoro-5-methoxybenzaldehyde	
Stock number: H32415	
CAS Number: 699016-24-5	
Relevant identified uses of the substance or mixture and uses advised against. Identified use: SU24 Scientific research and development	
Details of the supplier of the safety data sheet Manufacturer/Supplier:	
Alfa Aesar Thermo Fisher Scientific Chemicals, Inc.	
30 Bond Street Ward Hill, MA 01835-8099	
Tel: 800-343-0660	
Fax: 800-322-4757 Email: tech@alfa.com www.alfa.com	
Information Department: Health, Safety and Environmental Department Emergency telephone number:	
During normal business hours (Monday-Friday, 8am-7pm EST), call (800) 343-0660. After normal business hours, call Carechem 24 at (866) 928-0789.	
2 Hazard(s) identification	
Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)	
GHS07	
Skin Irrit. 2 H315 Causes skin irritation.	
Eye Irrit. 2A H319 Causes serious eye irritation.	
STOT SE 3 H335 May cause respiratory irritation. Hazards not otherwise classified No information known.	
Label elements GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Hazard pictograms	
\wedge	
GHS07	
Signal word Warning Hazard statements	
H315 Causes skin irritation. H319 Causes serious eye irritation.	
H335 May cause respiratory irritation. Proceeding and statements	
P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eve protection/face protection	
P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P405 Store locked up.	
P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.	
WHMIS classification	
D2B - Toxic material causing other toxic effects	
(\mathbf{T})	
Classification system	
HMIS ratings (scale 0-4) (Hazardous Materials Identification System)	
HEALTH \blacksquare Health (acute effects) = 1	
FIRE I Flammàbility = 1 REACTIVITY I Physical Hazard = 1	
Other hazards	
Results of PBT and vPvB assessment PBT: Not applicable.	
vPvB: Not applicable.	
3 Composition/information on ingredients	
Chemical characterization: Substances CAS# Description:	
699016-24-5 '3-Fluoro-5-methoxybenzaldehyde	
4 First-aid measures	
Description of first aid measures After inhalation	
Supply fresh air. If required, provide artificial respiration. Keep patient warm. Seek immediate medical advice.	
After skin contact Immediately wash with water and soap and rinse thoroughly.	
Seek immediate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor.	
After swallowing Seek medical treatment.	ntd. on page 2
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Product name: 3-Fluoro-5-methoxybenzaldehyde (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 Advice for fileoride (HF) Advice for fileoride (HF) 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. 7 Handling and storage Handling Precautions for safe handling Handle under dry protective gas. 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. Store away from air Further information about storage conditions: Store under dry inert gas. This product is air sensitive. 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: Not required. Additional information: No data 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. 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 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. **Prenetration 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: Crystalline powder Color: White Not determined Not determined Odor: Odor threshold: pH-value: Not applicable. Change in condition Melting point/Melting range: Boiling point/Boiling range: 24-29 °C (75-84 °F) Not determined Sublimation temperature / start: Flammability (solid, gaseous) Not determined Not determined (Contd. on page 3)

Product name: 3-Fluoro-5-methoxybenzaldehyde

Product name: 3-Fluoro-5-methoxyt	benzaidenyde		
		(Contd. of page 2)	
Ignition temperature: Decomposition temperature: Auto igniting:	Not determined Not determined Not determined.		
Danger of explosion:	Product does not present an explosion hazard.		
Explosion limits: Lower:	Not determined		
Upper:	Not determined		
Vapor pressure:	Not applicable. Not determined		
Density: Relative density	Not determined.		
Vapor density	Not applicable.		
Evaporation rate Solubility in / Miscibility with	Not applicable.		
Water:	Not determined		
Partition coefficient (n-octanol/water) Viscosity:	: Not determined.		
dynamic:	Not applicable.		
kinematic: Other information	Not applicable. No further relevant information available.		
10 Stability and reactivity			
Reactivity No information known.	we want the term of the Weiner		
Thermal decomposition / conditions	mended storage conditions. t o be avoided: Decomposition will not occur if used and stored according to specifications.		
Possibility of hazardous reactions No	o dangerous reactions known		
Conditions to avoid No further relevan Incompatible materials:	t information available.		
Air ⁻			
Oxidizing agents Hazardous decomposition products:			
Carbon monoxide and carbon dioxide Hydrogen fluoride			
riyarogen naonae			
11 Toxicological information			
Information on toxicological effects			
Acute toxicity: No effects known. LD/LC50 values that are relevant for o	classification: No data		
Skin irritation or corrosion: Causes sl	kin irritation.		
Eye irritation or corrosion: Causes se Sensitization: No sensitizing effects kn	rious eye irritation.		
Germ cell mutagenicity: No effects kno	own.		
Carcinogenicity: No classification data	on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.		
Specific target organ system toxicity	Reproductive toxicity: No effects known. Specific target organ system toxicity - repeated exposure: No effects known.		
Specific target organ system toxicity	- single exposure: May cause respiratory irritation.		
Subacute to chronic toxicity: No effect	ts known.		
Additional toxicological information:	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 information available. Persistence and degradability No further relevant information available.			
Persistence and degradability No further relevant information available. Bioaccumulative potential No further relevant information available.			
Mobility in soil No further relevant infor	mation available.		
Additional ecological information: General notes:			
Do not allow material to be released to t	he environment without proper governmental permits.		
Do not allow undiluted product or large of Avoid transfer into the environment.	quantities to reach ground water, water course or sewage system.		
Results of PBT and vPvB assessmen	t		
PBT: Not applicable. vPyB: Not applicable.			
Other adverse effects No further releva	ant information available.		
13 Disposal considerations			
Waste treatment methods			
Recommendation Consult state, local of	or national regulations to ensure proper disposal.		
Uncleaned packagings: Recommendation: Disposal must be m	pade according to official regulations		
14 Transport information Not a hazardous material for transportat	ion		
UN-Number			
DOT, IMDG, IATA	None		
UN proper shipping name DOT, IMDG, IATA			
	None		
Transport hazard class(es)			
DOT, ADR, IMDG, IATA Class	None		
	NOID		
Packing group DOT, IMDG, IATA	None		
Environmental hazards:	Not applicable.		
		(Contd. on page 4)	
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