



1 Identification	
Product identifier	
Product name: 2-Fluoro-1,4-dimethoxybenzene	
Stock number: L13505 CAS Number:	
82830-49-7	
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	
The room in the second se	
Ward Hill, MA 01835-8099 Tel: 800-343-0660 Fax: 800-322-4757	
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) 92	28-0789.
2 Hazard(s) identification	
Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)	
CHS07	
Skin Irrit. 2 H315 Causes skin irritation.	
Eye Irrit. 2A H319 Causes serious eye 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	
GHS07	
Signal word Warning Hazard statements	
H315 Causes skin irritation. H319 Causes serious eye irritation.	
Precautionary statements	
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 rins P362 Take off contaminated clothing.	sing.
P321 Specific treatment (see on this label).	
P332+P313 If skin irritation occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention.	
WHMIS classification D2B - Toxic material causing other toxic effects	
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Classification system	
HMIS ratings (scale 0-4) (Hazardous Materials Identification System)	
HEALTH I Health (acute effects) = 1 FIRE I Flammability = 1 REACTIVITY 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: 82830-49-7 2-Fluoro-1,4-dimethoxybenzene	
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 immédiate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor.	
After swallowing Seek medical treatment.	
Information for doctor Most important symptoms and effects, both acute and delayed No further relevant information available.	(Oa-1-1
	(Contd. on page 2) USA

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Indication of any immediate medical	attention and special treatment needed No further relevant information available.	(Contd. of page 1)	
5 Fire-fighting measures			
Extinguishing media Suitable extinguishing agents Carbon Special hazards arising from the sub- If this product is involved in a fire, the fo Carbon monoxide and carbon dioxide Hydrogen fluoride (HF) 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. stance or mixture Illowing can be released:		
6 Accidental release measures Personal precautions, protective equ Wear protective equipment. Keep unpro Ensure adequate ventilation Environmental precautions: Do not al Methods and material for containmer Prevention of secondary hazards: No Reference to other sections See Section 7 for information on safe he See Section 8 for information on person See Section 13 for disposal information.	otected persons away. Iow product to reach sewage system or any water course. I t and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sa I special measures required. I andling I protection equipment.	wdust).	
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. Store in cool, dry conditions in well sealed containers. Specific end use(s) No further relevant information available.			
8 Exposure controls/personal prot			
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			
Protection of hands: Impervious gloves	andling chemicals should be followed. and feed. nd of work. vorking environment. spirator when high concentrations are present. se for their proper condition. / depends on the material, but also on quality. Quality will vary from manufacturer to manufacturer. minutes) Not determined		
9 Physical and chemical properties	5		
Information on basic physical and ch General Information Appearance: Form: Color: Odor: Odor: Odor: threshold:	Melt Colorless to pale yellow Not determined		
Odor threshold: pH-value:	Not determined. Not determined.		
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Auto igniting:	23-26 °C (73-79 °F) 119-121 °C (246-250 °F) (40mm) Not determined Not determined Not determined Not determined Not determined Not determined.		
Danger of explosion:	Not determined.	(Contd. on page 3)	

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Product name: 2-Fluoro-1,4-dimethoxybenzene		
Frankristen II. 14		(Contd. of page 2)
Explosion limits: Lower: Upper: Vapor pressure: Density: Relative density Vapor density Evaporation rate Solubility in / Miscibility with Water: Partition coefficient (n-octanol/water): Viscosity: dynamic: kinematic: Other information	Not determined Not determined Not determined Not determined Not determined. Not determined.	
10 Stability and reactivity		
Reactivity No information known	information available.	
Reproductive toxicity: No effects know Specific target organ system toxicity Specific target organ system toxicity Aspiration hazard: No effects known. Subacute to chronic toxicity: No effect	in irritation. ious eye irritation. own. on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. n. • repeated exposure: No effects known. • single exposure: No effects known.	
12 Ecological information		
Toxicity Aquatic toxicity: No further relevant info Persistence and degradability No furth Bioaccumulative potential No further in Mobility in soil No further relevant inforn Additional ecological information: General notes: Avoid transfer into the e Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. Other adverse effects No further releva	elevant information available. mation available. nvironment.	
13 Disposal considerations		
Waste treatment methods	r national regulations to ensure proper disposal. ade 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		
Environmental hazards:	Not applicable Not applicable.	
Special precautions for user	Not applicable.	
· · · · · ·	II of MARPOL73/78 and the IBC Code Not applicable.	
Transport/Additional information: DOT		
Marine Pollutant (DOT):	No	
UN "Model Regulation":		USA
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	tion /ironmental regulations/legislation specific for the substance or mixture he product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS)
Hazard pictograms	
GHS07	
Signal word Warning Hazard statements H315 Causes skin irritat H319 Causes serious e Precautionary stateme P280 Wea P305+P351+P338 IF IN P362 Take P321 Spec P322 HP313 If ski P337+P313 If ski P337+P313 If ski P337+P313 If ski P337+P313 If ski P337+P313 If ski P324 Spectron State Composition and Spectro SARA Section 313 (spectro SARA Section 313 (spectro California Proposition Prop 65 - Developmen Prop 65 - Developmen Prop 65 - Developmen Information about limi Other regulations, limi Substance of Very Hig	ye irritation. ents ir protective gloves/protective clothing/eye protection/face protection. I EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. e off contaminated clothing. cific treatment (see on this label). in irritation occurs: Get medical advice/attention. e irritation persists: Get medical advice/attention. d in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted oment only. This product must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This ed for commercial purposes or in formulations for commercial purposes. d on the Canadian Domestic Substances List (DSL) or the Canadian Non-Domestic Substances List (NDSL). ecific toxic chemical listings) Substance is not listed. tal toxicity Substance is not listed. tal toxicity, female Substance is not listed. tal toxicity, male Substance is not listed. tal toxicity, male Substance is not listed. tal toxicity, male Substance is not listed. tal toxicity, female Substance is not listed. tat toxicity, female Substance is not listed. tation of use: For use only by technically qualified individuals. itations and prohibitive regulations phone the REACH Regulations (EC) No. 1907/2006. Substance is not listed. trictions according to Article 67 and Annex XVII of the Regulation (EC) No 1907/2006. Substance is not listed.
Annex XIV of the REA	CH Regulations (requiring Authorisation for use) Substance is not listed. ssment: A Chemical Safety Assessment has not been carried out.
information to ensure pr	his information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this roper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in Aterial Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.
Department issuing SL Date of preparation / la Abbreviations and acr ADR: Accord européen sur le tr IMDG: International Maritime Ct DOT: US Department of Transpor CAS: Chemical Abstracts Servic HMIS: Hazardous Materials Ideu WHMIS: Wardplace Hazardous LCSO: Lethal concentration, 50	DS: Global Marketing Department ast revision 11/24/2015 / - 'onyms: ransport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) order for Dangerous Goods portation rt Association ce (division of the American Chemical Society) Inflication System (USA) Materials Information System (Canada) percent Bioaccumulative of Governmental Industrial Hygienists (USA) d Health Administration (USA) ram (USA) Research on Cancer Agency (USA)