



1	1 Identification	
	Product identifier Product name: 2-Chloro-4-fluoroanisole	
	Stock number: B25136 CAS Number:	
	2267-25-6 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	
	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) 928-076	RQ
	2 Hazard(s) identification	<u></u>
-	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.	
	H227 Combustible liquid. 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 H227 Combustible liquid. H315 Causes skin irritation. H315 Causes serious eye irritation. H319 Causes serious eye irritation. Precautionary statements P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking. 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. P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification B3 - Combustible liquid D2B - Toxic material causing other toxic effects	
	Classification system HMIS ratings (scale 0-4) (Hazardous Materials Identification System)	
	HEALTH I FIRE 2 Flammability = 2 REACTIVITY Physical Hazard = 1	
	Other hazards Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable.	
3	3 Composition/information on ingredients	
	Chemical characterization: Substances CAS# Description: 2267-25-6 2-Chloro-4-fluoroanisole	
4	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 soan and rinse thoroughly	Contd. on page 2)
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(Contd. of page 1) 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. 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 freatment 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 Hydrogen fluoride (HF) Hydrogen chloride (HCI) 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: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation Prevention of secondary hazards: Keep away from ignition sources. 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. Neep container uging searce. Store in cool, dry place in tightly closed containers. Ensure good ventilation at the workplace. Information about protection against explosions and fires: Keep ignition sources away. 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: Not required. 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 eves and skin. 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. 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: Liauid Odor: Odor threshold: Not determined Not determined Not determined. pH-value: Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start: Not determined 197-200 °C (387-392 °F) Not determined Flash point: 77 °C (171 °F) (Contd. on page 3)

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Product name: 2-Chloro-4-fluoroanis	ole			
		(Contd. of page 2)		
Flammability (solid, gaseous) Ignition temperature: Decomposition temperature:	Not determined. Not determined Not determined			
Auto igniting: Danger of explosion:	Not determined. Product does not present an explosion hazard.			
Danger of explosion: Explosion limits: Lower:	Not determined			
Upper:	Not determined			
Vapor pressure: Density:	Not determined Not determined			
Relative density Vapor density	Not determined. Not determined.			
Evaporation rate Solubility in / Miscibility with	Not determined.			
Water: Partition coefficient (n-octanol/water):	Not determined Not determined.			
Viscosity: dynamic:	Not determined.			
kinematic: Other information	Not determined. No further relevant information available.			
0 Stability and reactivity				
Reactivity No information known				
Chemical stability Stable under recomm Thermal decomposition / conditions to	b be avoided: Decomposition will not occur if used and stored according to specifications.			
Possibility of hazardous reactions No dangerous reactions known Conditions to avoid No further relevant information available				
Incompatible materials: Oxidizing agen Hazardous decomposition products: Carbon monoxide and carbon dioxide	ts			
Carbon monoxide and carbon dioxide Hydrogen fluoride				
Hydrogen chloride (HCl)				
11 Toxicological information				
Information on toxicological effects				
Acute toxicity: No effects known. LD/LC50 values that are relevant for c	lassification: No data			
Skin irritation or corrosion: Causes sk	n irritation.			
Eye irritation or corrosion: Causes serious eye irritation. Sensitization: No sensitizing effects known.				
Sensitization: No sensitizing effects known. Germ cell mutagenicity: No effects known. Carcinogenicity: No classification data on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.				
Reproductive toxicity: No effects know	л.			
Specific target organ system toxicity - Specific target organ system toxicity -	single exposure: May cause respiratory irritation.			
Aspiration hazard: No effects known. Subacute to chronic toxicity: No effect				
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. Bioaccumulative potential No further relevant information available.				
Mobility in soil No further relevant information available.				
Additional ecological information: General notes:				
Do not allow material to be released to the environment without proper governmental permits. Do not allow undiluted product or large quantities to reach ground water, water course or sewage system.				
Avoid transfer into the environment. Results of PBT and vPvB assessment				
PBT: Not applicable. vPvB: Not applicable.				
Other adverse effects No further releva	nt information available.			
13 Disposal considerations				
Waste treatment methods	r national regulations to ensure proper disposal.			
Uncleaned packagings: Recommendation: Disposal must be ma				
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14 Transport information Not a hazardous material for transportati	on.			
UN-Number DOT, IMDG, IATA	None			
UN proper shipping name DOT, IMDG, IATA	None			
Transport hazard class(es)	None			
DOT, ADR, IMDG, IATA	Mana			
Class Packing group	None			
Packing group DOT, IMDG, IATA	None			
Environmental hazards:	Not applicable.	(Contd. on page 4)		
		(Conta. on page 4)		

