



1 Identification	
Product identifier Product name: 2-Fluoro-4-iodoaniline	
Stock number: B22450, L19274	
CAS Number: 29632-74-4	
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:	0.700
During normal business hours (Monday-Friday, 8am-7pm EST), call (800) 343-0660. After normal business hours, call Carechem 24 at (866) 920	8-0789.
2 Hazard(s) identification Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)	
GHS06 Skull and crossbones	
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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	
GHS06	
Signal word Danger Hazard statements H301 Toxic if swallowed.	
H315 Causes skin irritation. H319 Causes serious eve irritation.	
H335 May cause respiratory irritation. Procentionary statements	
P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor/ P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rins. P405 State Stat	
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor/ P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rins	ing.
P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.	
WHMIS classification D1B - Toxic material causing immediate and serious toxic effects D2B - Toxic material causing other toxic effects	
Classification system	
HMIS ratings (scale 0-4) (Hazardous Materials Identification System)	
HEALTH I Health (acute effects) = 1 FIRE I Flammability = 1	
REACTIVITY II Physical Házard = 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:	
29632-74-4 2-Fluoro-4-iodoaniline	
4 First-aid measures	
Description of first aid measures After inhalation Supply fresh air, if required, provide artificial respiration. Keen patient warm	
Supply fresh air. If required, provide artificial respiration. Keep patient warm.	(Contd. on page 2)
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Product name: 2-Fluoro-4-iodoanili i	ne	
		(Contd. of page 1)
Seek immediate medical advice.		(coma: or page 1)
After skin contact Immediately wash with water and soap	and rinse thoroughly.	
Seek immédiate medical advice.	or several minutes under running water. Then consult a doctor.	
After swallowing Seek medical treatme	ent.	
Information for doctor Most important symptoms and effect	ts, both acute and delayed Methemoglobinemia	
Indication of any immediate medical	attention and special treatment needed No further relevant information available.	
5 Fire-fighting measures		
Extinguishing media		
Suitable extinguishing agents Carbor Special hazards arising from the sub	n dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.	
If this product is involved in a fire, the for Carbon monoxide and carbon dioxide	ollowing can be released:	
Nitroaen oxides (NOx)		
Hydrogen iodide (HI) Hydrogen fluoride (HF)		
Advice for firefighter's Protective equipment:		
Wear self-contained respirator.		
Wear fully protective impervious suit.		
6 Accidental release measures		
Personal precautions, protective eque Wear protective equipment. Keep unpro	lipment and emergency procedures	
Ensure adequate ventilation		
Methods and material for containmer	llow material to be released to the environment without proper governmental permits. nt and cleaning up:	
Dispose of contaminated material as wa Ensure adequate ventilation.	aste according to section 13.	
Prevention of secondary hazards: No	o special measures required.	
Reference to other sections See Section 7 for information on safe ha	andling	
See Section 7 for information on safe has 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. Store in cool, dry place in tightly closed		
Ensure good ventilation at the workplac	Xe.	
	t explosions and fires: No information known.	
Conditions for safe storage, including Storage	g any incompatibilities	
Requirements to be met by storeroor	ms and receptacles: No special requirements. mmon storage facility: Store away from oxidizing agents.	
Further information about storage co	onditions:	
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 prot	tection	
Additional information about design	of technical systems: I designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.	
Control parameters	r designed for hazardous chemicais and having an average face velocity of at least 100 feet per minute.	
Components with limit values that re	quire monitoring at the workplace: Not required.	
Additional information: No data Exposure controls		
Personal protective equipment General protective and hygienic mea		
I ne usual precautionary measures for r	nangling chemicals should be followed.	
Keep away from foodstuffs, beverages	and feed.	
Remove all soiled and contaminated clo Wash hands before breaks and at the e	and of work.	
Avoid contact with the eyes and skin. Maintain an ergonomically appropriate v	working environment.	
Breathing equipment: Use suitable res Protection of hands:	spirator when high concentrations are present.	
Impervious aloves	as for their proper condition	
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.	
Eye protection: Safety glasses Body protection: Protective work cloth		
	-	
9 Physical and chemical properties Information on basic physical and ch		
General Information		
Appearance: Form:	Powder	
Odor: Odor threshold:	Not determined Not determined.	
pH-value:	Not applicable.	
Change in condition		
Melting point/Melting range:	55-57 °C (131-135 °F)	(Contd. on page 2)
		(Contd. on page 3)

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Product name: 2-Fluoro-4-iodoanilin	
	(Contd. of page 2)
Boiling point/Boiling range: Sublimation temperature / start:	Not determined Not determined
Flash point: Flammability (solid, gaseous)	Not applicable Not determined
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: Upper:	Not determined Not determined
Vapor pressure: Density:	Not determined Not determined
Relative density Vapor density	Not determined. Not applicable.
Evaporation rate Solubility in / Miscibility with	Not applicable.
Water: Partition coefficient (n-octanol/water): Viacocitur	Not determined : Not determined.
Viscosity: dynamic: kinematic:	Not applicable. Not applicable.
Other information	Not applicable. No further relevant information available.
10 Stability and reactivity Reactivity No information known. Chemical stability Stable under recomm Thermal decomposition / conditions to Possibility of hazardous reactions No Conditions to avoid No further relevant Incompatible materials: Oxidizing ager Hazardous decomposition products: Carbon monoxide and carbon dioxide Nitrogen oxides Hydrogen iodide (HI) Hydrogen fluoride	t information available.
11 Toxicological information Information on toxicological effects	
Reproductive toxicity: No effects know Specific target organ system toxicity Specific target organ system toxicity Aspiration hazard: No effects known. Subacute to chronic toxicity: Absorption into the body may lead to the death. Onset may be delayed 2-4 hours	kin irritation. rious eye irritation. own. own. on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. vn. - repeated exposure: No effects known. - repeated exposure: May cause respiratory irritation. e formation of methemoglobin, producing cyanosis, and marked fall in blood pressure leading to collapse, coma and possibly
12 Ecological information	
Toxicity Aquatic toxicity: No further relevant info Persistence and degradability No furth Bioaccumulative potential No further r Mobility in soil No further relevant inform Additional ecological information: General notes:	her relevant information available. relevant information available.
Do not allow material to be released to the	
13 Disposal considerations Waste treatment methods	or national regulations to ensure proper disposal.
14 Transport information	
Not a hazardous material for transportati UN-Number DOT, IMDG, IATA	ion. None
UN proper shipping name DOT, IMDG, IATA	None

oduct name: 2-Fluoro-4-iodoaniline	
	(Contd. of pag
Transport hazard class(es)	
DOT, ADR, IMDG, IATA Class	None
Packing group DOT, IMDG, IATA	None
Environmental hazards:	Not applicable.
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of MARPOL73/78 and	
Transport/Additional information:	Not dangerous according to the above specifications.
DOT Marine Pollutant (DOT):	No
Regulatory information Safety, health and environmental regulations/legislation spe GHS label elements The product is classified and labeled in acc Hazard pictograms	ecific for the substance or mixture cordance with 29 CFR 1910 (OSHA HCS)
GHS06	
P405 Store locked up. P501 Dispose of contents/container in accordance National regulations This product is not listed in the U.S. Environmental Protection Ag to research and development only. This product must be used by product must not be used for commercial purposes or in formular SARA Section 313 (specific toxic chemical listings) Substance California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity and the substance is not listed. Prop 65 - Developmental toxicity and by the contraction and the substance is not listed.	ré protection/face protection. N CENTER/ doctor/ several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. with local/regional/national/international regulations. gency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restri y or directly under the supervision of a technically qualified individual as defined by TSCA. This tions for commercial purposes. ce is not listed. t listed. t listed. t y qualified individuals. EEACH Regulations (EC) No. 1907/2006. Substance is not listed. nnex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on Yon for use) Substance is not listed.
information to ensure proper use and protect the health and safe	other information gathered by them, and should make independent judgement of suitability of this ety of employees. This information is furnished without warranty, and any use of the product not i ation with any other product or process, is the responsibility of the user.
Department issuing SDS: Global Marketing Department Date of preparation / last revision 11/24/2015 / - Abbreviations and acronyms: IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Arit Transport Association CAS: Chemical Abstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Information System (USA) WHMIS: Workplace Hazardous Materials Information System (Canada)	
WHMIS: Workplace Hazardous Materials Information System (Canada) LC50: Lethal concentration, 50 percent LD50: Lethal concentration, 50 percent VPW: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)	