



| 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 | |
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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 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 | |
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| | (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) | |