





## Product name: 5-Fluoro-2-iodoaniline

(Contd. of page 1) 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 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 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 Nitrogen oxides (NOx) Hydrogen fluoride (HF) Hydrogen iodide (HI) 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 The protective equipment. Reep 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: Dispose of contaminated material as waste according to section 13. 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 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 in the dark. Further information about storage conditions: Keep container tightly sealed. Store in cool, dry conditions in well sealed containers. Protect from exposure to light. 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. Penetration 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: Solid Color: Brown Odor: Not determined Odor threshold: Not determined pH-value: Not applicable. (Contd. on page 3)

## Broduct name: 5-Eluoro-2-jodoanilino

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40-42 °C (104-108 °F)
Not determined Not determined
Not applicable
Not determined.
Not determined
Not determined Not determined.
Product does not present an explosion hazard.
Not determined Not determined
Not applicable.
Not determined Not determined.
Not applicable.
Not applicable.
Insoluble
Not determined.
Not applicable.
Not applicable.
No further relevant information available.
nended storage conditions. <b>o be avoided:</b> Decomposition will not occur if used and stored according to specifications.
<b>o be avoided:</b> Decomposition will not occur if used and stored according to specifications. dangerous reactions known
dangerous reactions known information available.
lassification: No data
e irritation
irritation own.
n. carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.
repeated exposure: No effects known. - single exposure: No effects known.
single exposure: No effects known.
formation of methemoglobin, producing cyanosis, and marked fall in blood pressure leading to collapse, coma and possib
formation of methemoglobin, producing cyanosis, and marked fall in blood pressure leading to collapse, coma and possib or longer. To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.
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## Product name: 5-Fluoro-2-iodoaniline 14 Transport information UN-Number DOT, IMDG, IATA UN2811 UN proper shipping name DOT Toxic solids, organic, n.o.s. (5-Fluoro-2-iodoaniline) TOXIC SOLID, ORGANIC, N.O.S. (5-Fluoro-2-iodoaniline) ĪMDG, IATA Transport hazard class(es) DOT Class 6.1 Toxic substances. Label 6.1 (T2) Toxic substances 6.1 Class Label ĪMDĞ, IATA Class 6.1 Toxic substances. Label Packing group DOT, IMDG, IATA Ш Environmental hazards: Not applicable. Special precautions for user Warning: Toxic substances Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable. Transport/Additional information: DOT Marine Pollutant (DOT): No UN "Model Regulation": UN2811, Toxic solids, organic, n.o.s. (5-Fluoro-2-iodoaniline), 6.1, III 15 Regulatory information Safety, health and environmental regulations/legislation specific for the substance or mixture GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Hazard pictograms R GHS06 Signal word Danger Hazard statements H302+H312 Harmful if swallowed or in contact with skin. H331 Toxic if inhaled. H331 Toxic if inhaled. Precautionary statements P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P311 Call a POISON CENTER/doctor/... P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations. National regulations This product is not listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical This product is not listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted This product is not listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restri to research and development only. This product must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This product must not be used for commercial purposes or in formulations for commercial purposes. SARA Section 313 (specific toxic chemical listings) Substance is not listed. California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not listed. Prop 65 - Developmental toxicity Substance is not listed. 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. Information about limitation of use: For use only by technically qualified individuals. Other regulations, limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to the REACH Regulations (EC) No. 1907/2006. Substance is not listed. The conditions of restrictions according to Article 67 and Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the market and use absorved to absorve the manufacturing, placing on the market and use must be observed. Substance is not liste Annex XIV of the REACH Regulations (requiring Authorisation for use) Substance is not listed. Chemical safety assessment: A Chemical Safety Assessment has not been carried out. 16 Other information Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Material Safety Data Sheet, or in combination 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 / -Date of preparation / last revision 11/24/2015 / -Abbreviations and acronyms: RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA) ICA0: International Civil Aviation Organization ICA0: International Civil Aviation Organization (VIATA) ICA0: International Vivil Aviation Organization ICA0: The chinical Instructions by the "International Civil Aviation Organization" (ICA0) ICA0: International Vivil Aviation Dangerous Goods by Road) ICA0: International Maritime Code for Dangerous Goods DOT: US Department of Transport Association IATA: International Air Transport Association IATA: Interna

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WHMIS: Workplace Hazardous Materials Information System (Canada) LC50: Lethal concentration, 50 percent VPB: 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)

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