



	Revision date 07
	dentification
	Product identifier
	Product name: 2-Methyl-6-nitroaniline
	Nock number: A15476 CAS Number: i70-24-1
	C number:
	09-329-6 Relevant identified uses of the substance or mixture and uses advised against. dentified use: SU24 Scientific research and development
	Details of the supplier of the safety data sheet
	lanufacturer/Supplier: Nfa Aesar
	Thermo Fisher Scientific Chemicals, Inc.
	0 Bond Street Vard Hill, MA 01835-8099 el: 800-343-0660_
	el: 800-343-0660 Fax: 800-322-4757
	Email: tech@alfa.com vww.alfa.com
	nformation Department: Health, Safety and Environmental Department
	mergency telephone number: During normal business hours (Monday-Friday, 8am-7pm EST), call (800) 343-0660. After normal business hours, call Carechem 24 at (866) 928-0789.
1	lazard(s) identification Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)
	GHS06 Skull and crossbones
	cute Tox. 3 H301 Toxic if swallowed.
	Cute Tox. 3 H311 Toxic in contact with skin.
	Acute Tox. 3 H331 Toxic if inhaled.
	GHS08 Health hazard
	TOT RE 2 H373 May cause damage to the liver, the blood and the endocrine system through prolonged or repeated exposure. Route of exposure: Oral, Inhalative.
	lazards not otherwise classified No information known.
	abel elements GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) lazard pictograms
	GHS06 GHS08
	Signal word Danger
	lāzard statements I301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled.
	1373 May cause damage to the liver, the blood and the endocrine system through prolonged or repeated exposure. Route of exposure: Oral, Inhalative.
	Precautionary statements
	2260 Do not breathe dust/fume/gas/mist/vapours/spray. 2261 Avoid breathing dust/fume/gas/mist/vapours/spray.
	280 Wear protective gloves/protective clothing/eye protection/face protection. 361 Remove/Take off immediately all contaminated clothing.
	304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. 263 Wash contaminated clothing before reuse.
	2321 Specific treatment (see on this label).
	405 Store locked up. 2403+P233 Store in a well-ventilated place. Keep container tightly closed. 2501 Dispose of contents/container in accordance with local/regional/national/international regulations.
	2501 Dispose of contents/container in accordance with local/regional/national/international regulations. VHMIS classification
	01A - Very toxic material causing immediate and serious toxic effects
	Classification system
	IMIS ratings (scale 0-4) Hazardous Materials Identification System)
	EALTH 2 Health (acute effects) = 2
	IRE I Flammability = 1 reactivity I Physical Hazard = 1
	Dther hazards
	Results of PBT and vPvB assessment PBT: Not applicable.
	PvB: Not applicable.
	Composition/information on ingredients
	Chemical characterization: Substances
	CAS# Description: i70-24-1 2-Methyl-6-nitroaniline
	(Contd. c

(Contd. on page 2)

Product name: 2-Methyl-6-nitroaniline

Identification number(s): EC number: 209-329-6

4 First-aid measures

Description of first aid measures

General information Immediately remove any clothing soiled by the product. Remove breathing apparatus only after contaminated clothing has been completely removed. In case of irregular breathing or respiratory arrest provide artificial respiration. 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 immediate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Do not induce vomiting; immediately call for medical help. Information for doctor Most important symptoms and effects, both acute and delayed Toxic in contact with skin. Toxic if inhaled.

Toxic if swallowed. May cause damage to the liver, the blood and the endocrine system through prolonged or repeated exposure. Route of exposure: Oral, Inhalative. 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) 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 product to reach sewage system or any water course. 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. Open and handle container with care. 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. 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:

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

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. Store protective clothing separately. Avoid contact with the eyes and skin. Maintain an erronomically appropriate working environment Maintain an ergonomically appropriate working environment. Breathing equipment: Use self-contained respiratory protective device in emergency situations. Recommended filter device for short term use: Use a respirator with type P100 (USA) or P3 (EN 143) cartridges as a backup to engineering controls. Risk assessment should be performed to determine if air-purifying respirators are appropriate. Only use equipment tested and approved under appropriate government standards. (Contd. on pa

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Product name: 2-Methyl-6-nitroaniline		
Protection of hands: Impervious gloves 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.	(Contd. of page 2)
Material of gloves Nitrile rubber, NBR Penetration time of glove material (in Glove thickness 0.11 mm Eye protection: Safety glasses Body protection: Protective work clothi	n minutes) 480	
9 Physical and chemical properties	S	
Information on basic physical and che General Information Appearance:	nemical properties	
Form: Odor: Odor throshold:	Crystalline Not determined	
Odor threshold: pH-value:	Not determined. Not applicable.	
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Auto igniting:	93-96 °C (199-205 °F) Not determined Not determined Not determined Not determined Not determined Not determined Not determined.	
Danger of explosion: Explosion limits: Lower: Upper: Vapor pressure: Density: Relative density Vapor density Evaporation rate Solubility in / Miscibility with Water:	Not determined Not determined Not applicable. Not determined Not determined Not determined. Not applicable. Not applicable. Insoluble	
Water: Partition coefficient (n-octanol/water): Viscosity: dynamic: kinematic: Other information		
Reactivity No information known. Chemical stability Stable under recommended storage conditions. Thermal decomposition / conditions to be avoided: Decomposition will not occur if used and stored according to specifications. Possibility of hazardous reactions Reacts with strong oxidizing agents Conditions to avoid No further relevant information available. Incompatible materials: Oxidizing agents Hazardous decomposition products: Carbon monoxide and carbon dioxide Nitrogen oxides		
11 Toxicological information Information on toxicological effects Acute toxicity: Toxic in contact with skin. Toxic if swallowed. Danger through skin absorption. LD/LC50 values that are relevant for classification: No data Skin irritation or corrosion: May cause irritation Eye irritation or corrosion: May cause irritation Sensitization: No sensitizing effects known. Germ cell mutagenicity: No effects known. Carcinogenicity: No effects known. Specific target organ system toxicity - repeated exposure: May cause damage to the liver, the blood and the endocrine system through prolonged or repeated exposure. Route of exposure: Oral, Inhalative. Specific target organ system toxicity - single exposure: No effects known. Specific target organ system toxicity - single exposure: No effects known. Subacute to chronic toxicity: No effects known. Specific target organ system toxicity - single exposure: No effects known. Aspiration hazard: No effects known. Subacute to chronic toxicity: No effects known. Aspiration hazard: No effects known. Specific target organ system toxicity - single exposure: No effects known. Aspiration hazard: No effects known. Subacute to chronic toxicity: No effects known.		
12 Ecological information Toxicity Aquatic toxicity: No further relevant info Persistence and degradability No furth Bioaccumulative potential No further re Mobility in soil No further relevant inforn Additional ecological information: General notes: Do not allow product to reach ground wa Denger to druking water if even extreme	ther relevant information available.	
Also poisonous for fish and plankton in v	water bodies.	(Contd. on page 4)

(Contd. on page 4)

Product name: 2-Methyl-6-nitroaniline (Contd. of page 3) Toxic to aquatic life. May cause long lasting harmful effects to aquatic life. Avoid transfer into the environment. Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable Other adverse effects No further relevant information available. 13 Disposal considerations Waste treatment methods Recommendation Consult state, local or national regulations to ensure proper disposal. Uncleaned packagings: Recommendation: Disposal must be made according to official regulations. 14 Transport information **UN-Number** DOT, IMDG, IATA UN2660 UN proper shipping name DOT Nitrotoluidines (mono) NITROTOLUIDINES (MONO) ĨMĎĠ, IATA Transport hazard class(es) DOT Class 6.1 Toxic substances. Label 6.1 Class 6.1 (T2) Toxic substances Label IMDĠ, IATA Class Label 6.1 Toxic substances. 6.1 Packing group DOT, IMDG, IATA 111 Environmental hazards: Environmentally hazardous substance, solid Special precautions for user EMS Number: Warning: Toxic substances <u>F-A,S-Ă</u> 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": UN2660, Nitrotoluidines (mono), 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 GHS06 GHS08 Signal word Danger Hazard statements H301+H311+H331 Toxic if swallowed, in contact with skin or if inhaled. May cause damage to the liver, the blood and the endocrine system through prolonged or repeated exposure. Route of exposure: Oral, H373 Inhalative. Precautionary statements P260 P261 P280 Do not breathe dust/fume/gas/mist/vapours/spray. Do not breatile dustrume gas/mist/vapours/spray. Avoid breathing dust/fume/gas/mist/vapours/spray. P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protection/face protection. P361 Remove/Take off immediately all contaminated clothing. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P363 Wash contaminated clothing before reuse. P321 Specific treatment (see on this label). P405 Store in a well-ventilated place. Keep container tightly closed. P501 Dispose of contents/container in accordance with local/regional/national/international regulations. 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 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. This product is the Canadian Domestic Substances List (NDSL). SARA Section 313 (specific toxic chemical listings) Substance is not listed.

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. Information about limitation of use: For use only by technically qualified individuals.

Product name: 2-Methyl-6-nitroaniline

USA

(Contd. of page 4) 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 must be observed. Substance is not listed. 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 08/01/2016 / - Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maintime Code for Dangerous Goods DOT: US Department of Transportation IATA: International Air Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances CAS: Chemical Abstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Identification System (USA) WHIMIS: Workplace Hazardous Materials Information System (Canada) LCSO: Lethal concentration, 60 percent LDSO: Lethal concentration, 60 percent USS: Europeen Conference of Governmental Industrial Hygienists (USA) OY: Yery Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA)

ERA: Environmental Protection Agency (USA) EPA: Environmental Protection Agency (USA) Acute Tox. 3: Acute toxicity, Hazard Category 3 STOT RE 2: Specific target organ toxicity - Repeated exposure, Hazard Category 2