



1 Identification	
Product identifier Product name: 1-Ethyl-2-nitrobenzene	
Stock number: L06825 CAS Number:	
612-22-6 EC number: 210 200 1	
210-299-1 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 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) 928-0789.	
2 Hazard(s) identification Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)	
GHS06 Skull and crossbones	
Acute Tox. 3 H301 Toxic if swallowed. Acute Tox. 3 H311 Toxic in contact with skin.	
CI GHS07	
Acute Tox. 4 H332 Harmful if inhaled. 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+H311 Toxic if swallowed or in contact with skin. H332 Harmful if inhaled. Precautionary statements	
P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eve protection/face protection.	
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor/ P361 Take off immediately all contaminated clothing. 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	
Classification system HMIS ratings (scale 0-4) (Hazardous Materials Identification System)	
HEALTH 2 Health (acute effects) = 2 FIRE I Flammability = 1	
REACTIVITY I 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: 612-22-6 1-Ethyl-2-nitrobenzene	
Identification number(s): EC number: 210-299-1	
4 First-aid measures	
Description of first aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm.	
(Contd.	on page 2)

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PI 1-Ethyl-2-nitrobonzono duct

Product name: 1-Ethyl-2-nitrobenzene	
Seek immediate medical advice. After skin contact Immediately wash with water and soap and rinse thoroughly.	(Contd. of page 1)
Seek immédiate 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 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 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). 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 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. 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 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 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:	
Appearance: Form: Liquid Odor: Not determined	
Odor threshold: Not determined.	
pH-value: Not determined.	
Change in condition Melting point/Melting range: Not determined	(Contd. on page 3)
	USA

Product name: 1-Ethyl-2-nitrobenzene

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		(Contd. of page
Boiling point/Boiling range:	Not determined	
Sublimation temperature / start:	Not determined	
Flash point: Flammability (solid, gaseous)	Not determined Not determined.	
Ignition temperature: Decomposition temperature:	Not determined Not determined	
Auto igniting:	Not determined.	
Danger of explosion:	Product does not present an explosion hazard.	
Explosion limits: Lower:	Not determined	
Upper:	Not determined	
Vapor pressure: Density at 20 °C (68 °F):	Not determined 1.11 g/cm³ (9.263 lbs/gal)	
Relative density	Not determined.	
Vapor density Evaporation rate	Not determined. Not determined.	
Solubility in / Miscibility with		
Water: Partition coefficient (n-octanol/water	Not miscible or difficult to mix	
Viscosity:	·	
dynamic: kinematic:	Not determined. Not determined.	
Other information	Not determined. No further relevant information available.	
0 Stability and reactivity		
Reactivity No information known.		
Chemical stability Stable under recom	nmended storage conditions. • to be avoided: Decomposition will not occur if used and stored according to specifications.	
Possibility of hazardous reactions N	lo dangerous reactions known	
Conditions to avoid No further relevant Incompatible materials: Oxidizing age	nt information available.	
Hazardous decomposition products:	ants :	
Carbon monoxide and carbon dioxide Nitrogen oxides		
Twill Ogen exides		
1 Toxicological information		
Information on toxicological effects		
Acute toxicity: Harmful if inhaled.		
Harmful in contact with skin.		
Harmful if swallowed.		
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Danger through skin absorption. LD/LC50 values that are relevant for		
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	(Contd. of page 3)
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 ar	nd the IBC Code Not applicable.
Transport/Additional information:	Not dangerous according to the above specifications.
DOT Marine Pollutant (DOT):	No
15 Regulatory information	ilia far tha aubatanaa ar mivtura
Safety, health and environmental regulations/legislation spe GHS label elements The product is classified and labeled in ac Hazard pictograms	cordance with 29 CFR 1910 (OSHA HCS)
GHS06	
product must not be used for commercial purposes or in formula SARA Section 313 (specific toxic chemical listings) Substan California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not Prop 65 - Developmental toxicity Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not list Prop 65 - Developmental toxicity, male Substance is not list Prop 65 - Developmental toxicity composition of use.	tection/face protection. NTER/ doctor/ local/regional/national/international regulations. Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted by or directly under the supervision of a technically qualified individual as defined by TSCA. This lations for commercial purposes. nce is not listed. ot listed. sted. ad. ally qualified individuals. REACH Regulations (EC) No. 1907/2006. Substance is not listed. Annex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the
Employers should use this information only as a supplement to 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 fety of employees. This information is furnished without warranty, and any use of the product not in hation with any other product or process, is the responsibility of the user.