



1 Identification Product identifier Product name: 1-IsopropyI-4-nitrobenzene Stock number: L01893, A10227 CAS Number: 1817-47-6 EC number: 7-326-6 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. Inerrito Fisher Scheman C. 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) S. GHS06 Skull and crossbones Acute Tox. 3 H331 Toxic if inhaled. ! GHS07 Acute Tox. 4 H302 Harmful if swallowed. Acute Tox. 4 H312 Harmful in contact with skin. 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 S. GHS06 Signal word Danger Hazard statements H302+H312 Harmful if swallowed or in contact with skin. H331 Toxic if inhaled. 

 Procautionary 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
 Dispand for the the (container in apportance with loge/regional/interior)

DEN Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification D1B - Toxic material causing immediate and serious toxic effects 1 Classification system HMIS ratings (scale 0-4) (Hazardous Materials Identification System) Health (acute effects) = 2
 Flammability = 1 Flammability = 1 Flammability = 1 Physical Hazard = 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: 1817-47-6 1-Isopropyl-4-nitrobenzene Identification number(s): EC number: 217-326-6 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)

## Product name: 1-IsopropyI-4-nitrobenzene

Pro	oduct name: 1-Isopropyl-4-nitrobenzene	
	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 Seek medical treatment. Information for doctor Most important symptoms and effects, both acute and delayed No further relevant information available.	(Contd. of page 1)
-	Indication of any immediate medical attention and special treatment needed No further relevant information available.	
5	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	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 8 for information on personal protection equipment. See Section 13 for disposal information.	
7	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	B 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.      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 solied 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.      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	9 Physical and chemical properties	
	Information on basic physical and chemical properties General Information Appearance: Form: Liquid Color: Yellow Odor: Not determined Odor threshold: Not determined. pH-value: Not determined.	
		(Contd. on page 3)
		USA –

## Product name: 1-IsopropyI-4-nitrobenzene

Page 3/4 Printing date 11/23/2015 Reviewed on 04/20/2007

Product name: 1-IsopropyI-4-nitrob		
Obanna in condition		(Contd. of page 2)
Change in condition Melting point/Melting range:	Not determined	
Boiling point/Boiling range: Sublimation temperature / start:	128 °C (262 °F) (12 mmHg) Not determined	
Flash point:	> 110 °C (> 230 °F)	
Flammability (solid, gaseous) Ignition temperature:	Not determined.	
Decomposition temperature: Auto igniting:	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 at 20 °C (68 °F):	Not determined 1.088 g/cm³ (9.079 lbs/gal)	
Relative density	Not determined.	
Vapor density Evaporation rate	Not determined. Not determined.	
Solubility in / Miscibility with Water:	Not miscible or difficult to mix	
Partition coefficient (n-octanol/water)	): Not determined.	
Viscosity: dynamic:	Not determined.	
kinematic: Other information	Not determined. No further relevant information available.	
10 Stability and reactivity		
Reactivity No information known.		
Chemical stability Stable under recom Thermal decomposition / conditions	nmended storage conditions. <b>to be avoided:</b> Decomposition will not occur if used and stored according to specifications.	
Possibility of hazardous reactions No Conditions to avoid No further relevan	o dangerous reactions known	
Incompatible materials: Oxidizing age	ents	
Hazardous decomposition products: Carbon monoxide and carbon dioxide		
Nitrogen oxides		
11 Toxicological information		
Information on toxicological effects		
Acute toxicity: Harmful if inhaled.		
Harmful in contact with skin.		
Harmful if swallowed. Danger through skin absorption.		
LD/LC50 values that are relevant for Skin irritation or corrosion: Irritant to	classification: No data	
Eye irritation or corrosion: Irritating e	iffect.	
Sensitization: No sensitizing effects kn Germ cell mutagenicity: No effects kn	iown. iown.	
Carcinogenicity: No classification data Reproductive toxicity: No effects know	nown. a on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.	
Specific target organ system toxicity	// - repeated exposure: No effects known. / - single exposure: No effects known.	
Specific target organ system toxicity Aspiration hazard: No effects known.	r - single exposure: No effects known.	
Subacute to chronic toxicity: No effect	cts known. : To the best of our knowledge the acute and chronic toxicity of this substance is not fully known.	
Additional toxicological information.		
12 Ecological information		
Toxicity Aquatic toxicity: No further relevant in	nformation available	
Persistence and degradability No furt	ther relevant information available.	
Bioaccumulative potential No further Mobility in soil No further relevant info	relevant information available. srmation available.	
Additional ecological information: General notes:		
Do not allow material to be released to	the environment without proper governmental permits.	
Avoid transfer into the environment.	quantities to reach ground water, water course or sewage system.	
Results of PBT and vPvB assessmen PBT: Not applicable.	nt	
vPvB: Not applicable.		
Other adverse effects No further relev	้สที่เทาเขากลี่แบก สิ่งสีเลี้ยวิษี.	
13 Disposal considerations		
Waste treatment methods	or national regulations to ansure proper disposal	
Uncleaned packagings:	or national regulations to ensure proper disposal.	
Recommendation: Disposal must be n	nade according to official regulations.	
14 Transport information		
UN-Number		
DOT, IMDG, IATA	UN2810	
UN proper shipping name	Toxic, liquids, organic, n.o.s. (1-Isopropyl-4-nitrobenzene)	
IMDG, IATA	TOXÍC LIQUÍD, ORGÁNIC, N.O.S. (1-Isopropyl-4-nitrobénzene)	(Contd. on page 4)

(Contd. on page 4)

roduct name: 1-IsopropyI-4-nitrobenzene	
	(Contd. of page
Transport hazard class(es)	
DOT	
Class Label	6.1 Toxic substances. 6.1
Class Label	6.1 (T1) Toxic substances 6.1
IMDG, IATA	0. 1
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$\checkmark$	
Class	6.1 Toxic substances.
Label Packing group	6.1
Packing group DOT, IMDG, IATA	III
Environmental hazards:	Not applicable.
Special precautions for user	Warning: Toxic substances
Transport in bulk according to Annex II of MARPOL73/76	8 and the IBC Code Not applicable.
Transport/Additional information: DOT	
Marine Pollutant (DOT):	No
UN "Model Regulation":	UN2810, Toxic, liquids, organic, n.o.s. (1-Isopropyl-4-nitrobenzene), 6.1, III
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