



1 Identification	
Product identifier	
Product name: 4-(Bromomethyl)-3-nitrobenzoic acid	
Stock number: B25255 CAS Number:	
55715-03-2 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	
Tel: 800-343-0660 Fax: 800-322-4757	
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)	
GHS05 Corrosion	
Skin Corr. 1B H314 Causes severe skin burns and eye damage.	
Eye Dam. 1 H318 Causes serious eye damage. Hazards not otherwise classified Lachrymator	
Label elements	
GHS label elements The product is classified and labeled in accordance with 29 CFR 1910 (OSHA HCS) Hazard pictograms	
GHS05	
Signal word Danger Hazard statements	
H314 Causes severe skin burns and eve damage.	
Precautionary statements P260 Do not breathe dust/fume/gas/mist/vapours/spray.	
P260 Do not breathe dust/fume/gas/mist/vapours/spray. P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.	
P405 Store locked up.	
P501 Dispose of contents/container in accordance with local/regional/national/international regulations. WHMIS classification	
D2B - Toxic material causing other toxic effects E - Corrosive material	
Classification system	
HMIS ratings (scale 0-4) (Hazardous Materials Identification System)	
HEALTH B Health (acute effects) = 3	
FIRE I Flammability = 1 REACTIVITY II 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:	
55715-03-2 4-(Bromomethyl)-3-nitrobenzoic acid	
4 First-aid measures	
Description of first aid measures General information Immediately remove any clothing soiled by the product.	
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 immédiate medical advice. After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor.	
After swallowing Seek medical treatment. (Contd. on p	age 2
After swallowing Seek medical treatment.	age 2) USA –

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Product name: 4-(Bromomethyl)-3-nitrobenzoic acid

Information for doctor Most important symptoms and effects, both acute and delayed Causes severe skin burns. Causes serious eve damage

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 Hydrogen bromide (HBr) 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: Use neutralizing agent. 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

Recautions for sale manuning 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 away from strong bases. 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 protection of values: 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:** Tightly sealed goggles Full face protection **Protection:** Protection: P Body protection: Protective work clothing. 9 Physical and chemical properties Information on basic physical and chemical properties General Information Appearance: Form: Crystalline powder White Color: Odor: Not determined Odor threshold: Not determined pH-value: Not applicable.

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roduct name: 4-(Bromomethyl)-3-ni	trobenzoic acia	
		(Contd. of page 2)
Boiling point/Boiling range:	128-133 °C (262-271 °F) Not determined Not determined	
Flammability (solid, gaseous) Ignition temperature: Decomposition temperature:	Not applicable Not determined Not determined Not determined	
Danger of explosion: Explosion limits:	Not determined. Product does not present an explosion hazard. Not determined	
Upper: Vapor pressure: Density:	Not determined Not applicable. Not determined	
Vapor density	Not determined. Not applicable. Not applicable.	
Water: Partition coefficient (n-octanol/water): Viscosity:		
kinematic:	Not applicable. Not applicable. No further relevant information available.	
0 Stability and reactivity		
Possibility of hazardous reactions No Conditions to avoid No further relevant Incompatible materials: Oxidizing agents	nended storage conditions. • be avoided : Decomposition will not occur if used and stored according to specifications. dangerous reactions known information available.	
Bases Hazardous decomposition products: Carbon monoxide and carbon dioxide Hydrogen bromide Nitrogen oxides		
LD/LC50 values that are relevant for cl Skin irritation or corrosion: Causes set Eye irritation or corrosion: Causes serious eye damage. This product is a lachrymator. Sensitization: No sensitizing effects know Germ cell mutagenicity: No effects know Carcinogenicity: No classification data c Reproductive toxicity: No effects known Specific target organ system toxicity - Specific target organ system toxicity - Aspiration hazard: No effects known.	vere skin burns. wn. on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. 1.	
Avoid transfer into the environment. Results of PBT and vPvB assessment PBT: Not applicable.	er relevant information available. elevant information available. nation available. e environment without proper governmental permits.	
vPvB: Not applicable. Other adverse effects No further releval	nt information available.	
3 Disposal considerations Waste treatment methods Recommendation Consult state, local or Uncleaned packagings: Recommendation: Disposal must be ma	r national regulations to ensure proper disposal. Ide according to official regulations.	
4 Transport information		
DOT, IMDG, IATA UN proper shipping name DOT	UN3261 Corrosive solid, acidic, organic, n.o.s. (4-(Bromomethyl)-3-nitrobe	nzoic acid)
		(Contd. on page 4)

Product name: 4-(Bromomethyl)-3-nitrobenzoic acid				
	(Contd. of page 3)			
IMDG, IATA	CORROSIVE SOLID, ACIDIC, ORGANIC, N.O.S. (4-(Bromomethyl)-3-nitrobenzoic acid)			
Transport hazard class(es) DOT				
Class Label Class Label IMDG, IATA	8 Corrosive substances. 8 8 (C4) Corrosive substances 8			
Class	8 Corrosive substances.			
Label	8			
Packing group DOT, IMDG, IATA	<i>III</i>			
Environmental hazards:	Not applicable. Warning: Corrosive substances			
Special precautions for user Segregation groups	Acids			
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Co Transport/Additional information:	ode Not applicable.			
DOT				
Marine Pollutant (DOT):	No			
UN "Model Regulation":	UN3261, Corrosive solid, acidic, organic, n.o.s. (4-(Bromomethyl)-3-nitrobenzoic acid), 8, III			
GHS05 Signal word Danger Hazard statements P4314 Causes severe skin burns and eye damage. Precautionary statements P303+P361+P333 IF INEYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P303+P361+P333 IF INEYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P304+P351+P331 IF WALLOWED: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P405 Store locked up. P401 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 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. SARA Section 313 (specific toxic chemical listings) Substance is not listed. Prop 65 - Developmental toxicity, female 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 of restrictions according to Article 67 and Annex XVII of the Regulation (EC) No. 1907/2006. Substance is not lis				
 16 Other information Employers should use this information only as a supplement to other information information to ensure proper use and protect the health and safety of employer conformance with this Material Safety Data Sheet, or in combination with any other of preparation / last revision 11/24/2015 / - Abbreviations and acronyms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreeme IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation on IATA: International Aritime Code for Dangerous Goods Constructions Materials Information System (USA) WHMIS: Workplace Hazardous Materials Information System (Canada) LC50: Lethal concentration, 50 percent VPW: very Persistent and very Bioaccumulative ACGI: American Conference of Governmental Industrial Hygienists (USA) NTP: National Agency for Research on Cancer EPA: Output Agency for Research on Cancer EPA: Environmental Protection Agency (USA) 				