

Safety Data Sheet per OSHA HazCom 2012

1 Identification

Product identifier

Product identifier	
Product name: 2-Bromo-6-chlorotoluene	
Stock number: B25697 CAS Number:	
62356-27-8 EC number:	
263-520-9 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	
Alia Aesai Thermo Fisher Scientific Chemicals, Inc. 30 Bond Street	
30 Bond Street Ward Hill MA 01835-8099	
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
	520 0703.
2 Hazard(s) identification	
Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)	
GHS07	
Skin Irrit. 2 H315 Causes skin irritation.	
Eye Irrit. 2A H319 Causes serious eye irritation.	
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	
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GHS07	
Signal word Warning	
Hāzard statements H315 Causes skin irritation.	
H319 Causes serious eye irritation. Precautionary statements	
P280 Wear protective gloves/protective clothing/eye protection/face protection.	
P280 Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue P362 Take off contaminated clothing.	rinsing.
P321 Specific treatment (see on this label). P332+P313 If skin irritation occurs: Get medical advice/attention.	
P.3.37+P.31.3 If eve irritation persists: Get medical advice/attention.	
WHMIS classification D2B - Toxic material causing other toxic effects	
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Classification system	
HMIS ratings (scale 0-4) (Hazardous Materials Identification System)	
$\begin{array}{c} \text{Health} \\ \text{Health} \\ \text{Health} \\ \text{(acute effects)} = 1 \end{array}$	
HRe $Hammability = 1$	
REACTIVITY 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:	
62356-27-8 2-Bromo-6-chlorotoluene Identification number(s):	
EC number: 263-520-9	
4 First-aid measures	
Description of first aid measures	
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.	
	(Contd. on page 2)
	USA

Product name: 2-Bromo-6-chlorotoluene

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Product name: 2-Bromo-6-Chlorotol	uene	
After swallowing Seek medical treatme Information for doctor Most important symptoms and effects Indication of any immediate medical a	ent. s, both acute and delayed No further relevant information available. attention and special treatment needed No further relevant information available.	(Contd. of page 1)
5 Fire-fighting measures Extinguishing media	dioxide, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam. stance or mixture	
6 Accidental release measures Personal precautions, protective equi Wear protective equipment. Keep unpro Ensure adequate ventilation Environmental precautions: Do not all Methods and material for containmen Prevention of secondary hazards: Kee Reference to other sections See Section 7 for information on safe ha See Section 8 for information on person See Section 13 for disposal information.	tected persons away. ow material to be released to the environment without proper governmental permits. t and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sa ep away from ignition sources. Indling al protection equipment.	wdust).
Conditions for safe storage, including Storage Requirements to be met by storeroon	explosions and fires: No information known. any incompatibilities and receptacles: No special requirements. amon storage facility: Store away from oxidizing agents. anditions: ad containers.	
Control parameters Components with limit values that red Additional information: No data Exposure controls Personal protective equipment General protective and hygienic meas The usual precautionary measures for h Keep away from foodstuffs, beverages a Remove all soiled and contaminated clo Wash hands before breaks and at the et Avoid contact with the eyes and skin. Maintain an ergonomically appropriate v Breathing equipment: Use suitable res Protection of hands: Impervious gloves	of technical systems: designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute. quire monitoring at the workplace: Not required. sures andling chemicals should be followed. and feed. thing immediately. nd of work. vorking environment. pirator when high concentrations are present. the for their proper condition.	
9 Physical and chemical properties Information on basic physical and ch General Information		
Appearance: Form: Color: Odor: Odor threshold: pH-value:	Liquid Colorless Aromatic Not determined. Not determined.	
Change in condition Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start: Flash point:	Not determined. Not determined 120 °C (248 °F) Not determined 95 °C (203 °F)	
Flammability (solid, gaseous) Ignition temperature: Decomposition temperature:	Not determined Not determined Not determined	(Contd. on page 3)
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Product name: 2-Bromo-6-chlorotoluene

Product name: 2-Bromo-6-chlorotol	uene	
		(Contd. of page 2)
Auto igniting:	Not determined.	
Danger of explosion: Explosion limits: Lower: Upper:	Product does not present an explosion hazard. Not determined Not determined	
Vapor pressure: Density: Relative density Vapor density	Not determined Not determined Not determined. Not determined.	
Evaporation rate Solubility in / Miscibility with Water:	Not determined. Not miscible or difficult to mix	
Partition coefficient (n-octanol/water) 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	mended storage conditions. to be avoided : Decomposition will not occur if used and stored according to specifications.	
Possibility of hazardous reactions No Conditions to avoid No further relevan Incompatible materials: Oxidizing age Hazardous decomposition products: Carbon monoxide and carbon dioxide Hydrogen bromide Hydrogen chloride (HCI)	t information available.	
11 Toxicological information Information on toxicological effects		
Acute toxicity: No effects known. LD/LC50 values that are relevant for of Skin irritation or corrosion: Causes so Eye irritation or corrosion: Causes so Sensitization: No sensitizing effects kn Germ cell mutagenicity: No effects known Carcinogenicity: No effects known Specific target organ system toxicity Specific target organ system toxicity Aspiration hazard: No effects known. Subacute to chronic toxicity: No effects Known	kin irritation. rious eye irritation. own. own. on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH. vn. - repeated exposure: No effects known. - single exposure: No effects known.	
12 Ecological information Toxicity Aquatic toxicity: No further relevant ini Persistence and degradability No further Bioaccumulative potential No further i Mobility in soil No further relevant information: General notes: Do not allow material to be released to a Avoid transfer into the environment. Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. Other adverse effects No further relevant	relevant information available. rmation available. the environment without proper governmental permits. It	
13 Disposal considerations	ant mornauon available. 	
Waste treatment methods Recommendation Consult state, local Uncleaned packagings: Recommendation: Disposal must be n	or national regulations to ensure proper disposal. nade according to official regulations.	
14 Transport information Not a hazardous material for transportat	tion.	
UN-Number DOT, IMDG, IATA UN proper shipping name	None	
UN proper shipping name DOT, IMDG, IATA Transport hazard class(es)	None	
DOT, ADR, IMDG, IATA Class	None	
Packing group DOT, IMDG, IATA	None	
Environmental hazards:	Not applicable.	
Special precautions for user Transport in bulk according to Annex	Not applicable. (II of MARPOL73/78 and the IBC Code Not applicable.	
Transport/Additional information:	Not dangerous according to the above specifications.	
		(Contd. on page 4) USA

Product name: 2-Bromo-6-chlorotoluene	
	(Contd. of page 3)
DOT Marine Pollutant (DOT):	No
5 Regulatory information Safety, health and environmental regulations GHS label elements The product is classified a Hazard pictograms	ns/legislation specific for the substance or mixture and labeled in accordance with 29 CFR 1910 (OSHA HCS)
GHS07 Signal word Warning Hazard statements H315 Causes skin irritation. H319 Causes serious eye irritation. Precautionary statements P280 Wear protective gloves/prote P305+P351+P338 IF IN EYES: Rinse cautiousl P362 Take off contaminated clothh P321 Specific treatment (see on th	tective clothing/eye protection/face protection. Ily with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Ing. His Jabal)
P332+P313 If skin irritation occurs: Get P P337+P313 If eye irritation persists: Get National regulations This product is not listed in the U.S. Environme to research and development only. This produc product must not be used for commercial purpo SARA Section 313 (specific toxic chemical li California Proposition 65 Prop 65 - Chemicals known to cause cancer Prop 65 - Developmental toxicity Substance i Prop 65 - Developmental toxicity, female Sub Prop 65 - Developmental toxicity, male Subs Information about limitation of use: For used	medical advice/attention. t medical advice/attention. ental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted ct must be used by or directly under the supervision of a technically qualified individual as defined by TSCA. This poses or in formulations for commercial purposes. listings) Substance is not listed. is not listed. ibstance is not listed. stance is not listed. stance is not listed.
Substance is not listed. Annex XIV of the REACH Regulations (requi Chemical safety assessment: A Chemical Sa	
Employers should use this information only as a information to ensure proper use and protect th conformance with this Material Safety Data She	a supplement to other information gathered by them, and should make independent judgement of suitability of this he health and safety of employees. This information is furnished without warranty, and any use of the product not in eet, or in combination with any other product or process, is the responsibility of the user.
Department issuing SDS: Global Marketing D Date of preparation / last revision 11/24/2015 Abbreviations and acronyms: RID: Règlement international concérnant le transport des marc IA7A-DGR: Dangerous Goods Regulations by the "Internationa ICAO: Thermational Civil Aviation Organization ICAO-TI: Technical Instructions by the "International Civil Aviat IMDG: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IA7A: International Maritime Code for Dangerous Goods DOT: US Department of Transportation IA7A: International Maritime Code for Dangerous Goods DOT: US Department of Transportation EINECS: European Inventory of Existing Commercial Chemica CAS: Chemical Abstracts Service (division of the American Che HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System (LC50: Lethal dose, 50 percent VPUS: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygi OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)	5 / - chandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) lal Air Transport Association" (IATA) ation Organization" (ICAO) al Substances hemical Society) (Canada)
NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)	USA