



	Identification Product identifier
	Product name: <u>tert-Butyl 4-(bromomethyl)benzoate</u>
(Stock number: H35540 CAS Number: 108052-76-2 Relevant identified uses of the substance or mixture and uses advised expiret
	Relevant identified uses of the substance or mixture and uses advised against. Identified use: SU24 Scientific research and development
l	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
1	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.
9	Hazard(s) identification Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS) The substance is not classified according to the Globally Harmonized System (GHS). Hazards not otherwise classified No information known.
ļ	Label elements GHS label elements Not applicable Hazard pictograms Not applicable Signal word Not applicable
	Hazard statements Not applicable WHMIS classification Not controlled Classification system HMIS ratings (scale 0-4)
	Hazardous Materials Identification System) HEALTH I Health (acute effects) = 1 FIRE Flammability = 1 REACTIVITY Physical Hazard = 1
	Other hazards Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable.
	Composition/information on ingredients
(Chemical characterization: Substances CAS# Description: 108052-76-2 tert-Butyl 4-(bromomethyl)benzoate
	First-aid measures
	Description of first aid measures After inhalation Supply fresh air. If required, provide artificial respiration. Keep patient warm.
	Seek îmmediate 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.
1	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.
	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) Advice for firefighters
1	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 adocuate ventiletion
	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: Pick up mechanically. 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. (Contd. on page 2)

(Contd. on page 2)

7 Handling and storage Producting Productions for safe shardling Keep container tighty sealed. Information about protection against explosions and fires. No information known. Conditions for safe storage, including any incompatibilities Storage Productions to be met by storeoroms and research in the information known. Conditions for safe storage, including any incompatibilities Product from the long papers. Product from th					
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Viscosity: dynamic: Not applicable.					
kinematic: Not applicable.					
Other information No further relevant information available.					

Thermal decomposition / conditions to be avoided: Decomposition will Possibility of hazardous reactions Reacts with strong oxidizing agents Conditions to avoid No further relevant information available. Incompatible materials: Oxidizing agents Heat Hazardous decomposition products: Carbon monoxide and carbon dioxide

Product name: tert-Butyl 4-(bromomethyl)benzoate

r router manie. tert Butyr 4 (Bromonieury)/benzeate					
Hydrogen bromide		(Contd. of page 2)			
11 Toxicological information					
 11 I oxicological information Information on toxicological effects Acute toxicity: No effects known. LD/LC50 values that are relevant for classification: No data Skin irritation or corrosion: May cause irritation Eye irritation or corrosion: May cause irritation Germ cell mutagenicity: No effects known. Garcinogenicity: No effects known. Carcinogenicity: No effects known. Specific target organ system toxicity - repeated exposure: 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. Additional toxicological information: To the best of our knowledge the acute and chronic toxicity of this substance is not fully known. 					
12 Ecological information					
Toxicity Aquatic toxicity: No further relevant information available. Persistence and degradability No further relevant information available. Bioaccumulative potential No further relevant information available. Mobility in soil No further relevant information available. Additional ecological information: General notes: Do not allow undiluted product or large quantities to reach ground water, water course or sewage system. 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.					
12 Disposal considerations					
Waste treatment methods Recommendation Consult state, local or national regulations to Uncleaned packagings:	Recommendation Consult state, local or national regulations to ensure proper disposal.				
14 Transport information					
UN-Number DOT, ADN, IMDG, IATA	Not applicable				
UN proper shipping name DOT, ADN, IMDG, IATA	Not applicable				
Transport hazard class(es) DOT, ADR, ADN, IMDG, IATA Class	Not applicable				
Packing group DOT, IMDG, IATA					
DOT, IMDG, IATA Environmental hazards:	Not applicable Not applicable.				
Environmental nazards: Special precautions for user	Not applicable.				
Transport in bulk according to Annex II of MARPOL73/78 ar					
Transport // Additional information:					
DOT					
Marine Pollutant (DOT):	No				
UN "Model Regulation":					
15 Regulatory information Safety, health and environmental regulations/legislation specific for the substance or mixture GHS label elements Not applicable Hazard pictograms Not applicable Hazard statements Not applicable Hazard statements Not applicable 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 re 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. The product must not be used for commercial purposes or in formulations for commercial purposes. This product is not listed on the Canadian Domestic Substances List (DSL) or the Canadian Non-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, female Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, male Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. Prop 65 - Developmental toxicity, female 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, limitations and prohibitive regulations Substance of Very Hitch Concerner (SYMC) according to the REACH Bergulations (EC) No. 1907/2006. Substance is not listed.					

Other regulations, limitations and prohibitive regulations 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. USA

Product name: tert-Butyl 4-(bromomethyl)benzoate

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(Contd. of page 3)

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. conformance with this Material Safety Data Sheet, or in combination with any other product or process, is the responsibility of the use Department issuing SDS: Global Marketing Department Date of preparation / last revision 11/24/2015 / - Abbreviations and accoryms: ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) DOT: US Department of Transportation CAS: Chemical Abstracts Service (division of the American Chemical Society) HMIS: Hazardous Materials Identification System (USA) WHMIS: Workplace Hazardous Materials Information System (Canada) LC50: Lethal concentration, 50 percent LD50: Lethal concentration, 50 percent LD50: Lethal concentration of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)

USA