



	Reviewed on U3/26/201
	1 Identification Product identifier Product name: Methyl 3-bromo-2-fluorobenzoate Stock number: H36865 CAS Number: 206551-41-9 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 Thermo Fisher Scientific Chemicals, Inc. 30 Bond Street Ward Hill, MA 01835-8099 Tel: 800-322-4757 Email: tech@alfa.com Fax: 800-322-4757 Email: tech@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) The substance is not classified according to the Globally Harmonized System (GHS). Hazards not otherwise classified No information known. Label elements GHS label elements Not applicable Hazard pictograms Not applicable Hazard statements Not controlled Classification Not controlled Classification system HMIS classification System (Hazardous Materials Identification System) HEALT Health (acute effects) = 1 Flammability = 1 Flammability = 1 Other hazards Results of PBT and vPvB assessment PBT: Not applicable.
	3 Composition/information on ingredients Chemical characterization: Substances CAS# Description: 206551-41-9 Methyl 3-bromo-2-fluorobenzoate
4	 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. 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.
ł	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 fluoride (HF) Hydrogen bromide (HBr) 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: Pick up mechanically. Prevention of secondary hazards: No special measures required. Reference to other sections Son Conting Texing Interview of the provide the provide the sections Son Conting Texing Interview of the provide the provident the provide the provided the provide the provide the provide the provided the provide the provi

Reference to other sections See Section 7 for information on safe handling

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See Section 8 for information on persor See Section 13 for disposal information	nai protection equipment. h.			
7 Handling and storage				
Handling				
Precautions for safe handling Keep container tightly sealed.				
Store in cool, dry place in tightly closed containers.				
	t explosions and fires: No information known.			
Conditions for safe storage, includin	g any incompatibilities			
Storage Requirements to be met by storeroor	ms and receptacles: No special requirements.			
Information about storage in one cor Further information about storage co	mmon storage facility: Store away from oxidizing agents.			
Keep container tightly sealed.				
Store in cool, dry conditions in well sea Specific end use(s) No further relevan	led containers.			
Specific end use(s) No futurer relevan				
8 Exposure controls/personal prot	tection			
Additional information about design	of technical systems:			
	l designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.			
Control parameters Components with limit values that re	equire monitoring at the workplace:			
The product does not contain any relevant	ant quantities of materials with critical values that have to be monitored at the workplace.			
Additional information: No data				
Exposure controls Personal protective equipment				
General protective and hygienic mea	nsures			
The usual precautionary measures for I Keep away from foodstuffs, beverages	handling chemicals should be followed.			
Remove all soiled and contaminated clo	othing immediately.			
Wash hands before breaks and at the e	end of work.			
Maintain an ergonomically appropriate Breathing equipment: Use suitable re-	spirator when high concentrations are present.			
Protection of hands:	-p			
Impervious gloves				
Check protective gloves prior to each u	se for their proper condition			
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Reactivity No information known. Chemical stability Stable under recommended storage conditions. Thermal decomposition / conditions to be avoided: Decomposition will not occur if used and stored according to specifications. Possibility of hazardous reactions Reacts with strong oxidizing agents Conditions to avoid No further relevant information available. Incompatible materials: Oxidizing agents Hazardous decomposition products: Carbon monoxide and carbon dioxide Hydrogen fluoride

(Contd. on page 3)

Product name: Methyl 3-bromo-2-fluorobenzoate			
Hydrogen bromide	(Contd. of page 2)		
 11 Toxicological 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 Sensitization: No sensitizing effects known. Germ cell mutagenicity: No effects known. Carcinogenicity: No effects known. Garcinogenicity: 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. Aspiration hazard: To 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 material to be released to the environment without proper governmental permits. 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.			
13 Disposal considerations Waste treatment methods Recommendation Consult state, local or national regulations to ensure proper disposal. Uncleaned packagings: Recommendation: Disposal must be made according to official regulations.			
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 Not applicable			
Environmental hazards: Not applicable.			
Special precautions for user Not applicable.			
Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not applicable.			
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 Mational regulations This product is not listed in the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical Substance Inventory. Use of this to research and development only. This product must be used by or directly under the supervision of a technically qualified individual as defined product must not be used for commercial purposes or in formulations for commercial purposes. This product on the Canadian Domestic Substances List (NDSL). SARA Section 313 (specific toxic chemical listings) Substance is not listed. California Proposition 65 Prop 65 - Developmental toxicity, state is not listed. Prop 65 - Developmental toxicity, state 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, 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, 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, termale Substance is not listed. Prop 65 - Developmental toxicity, and Substance is not listed. Prop 65 - Developmental toxicity, termale 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 High Concern (SVHC) according to the REACH Regulations (EC) No. 1907/2006. Substance is not listed. The conditions of restrictions according to Art	tby TSCA. This		
Annex XIV of the REACH Regulations (requiring Authorisation for use) Substance is not listed.			

Annex XIV of the REACH Regulations (requiring Authorisation for use) Substance is not listed.

(Contd. on page 4)

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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 dose, 50 percent VPVB: very Persistent and very Bioaccumulative ACGIH: American Conference of Governmental Industrial Hygienists (USA) OSHA: Occupational Safety and Health Administration (USA) NTP: National Toxicology Program (USA) MARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)

(Contd. of page 3)

USA