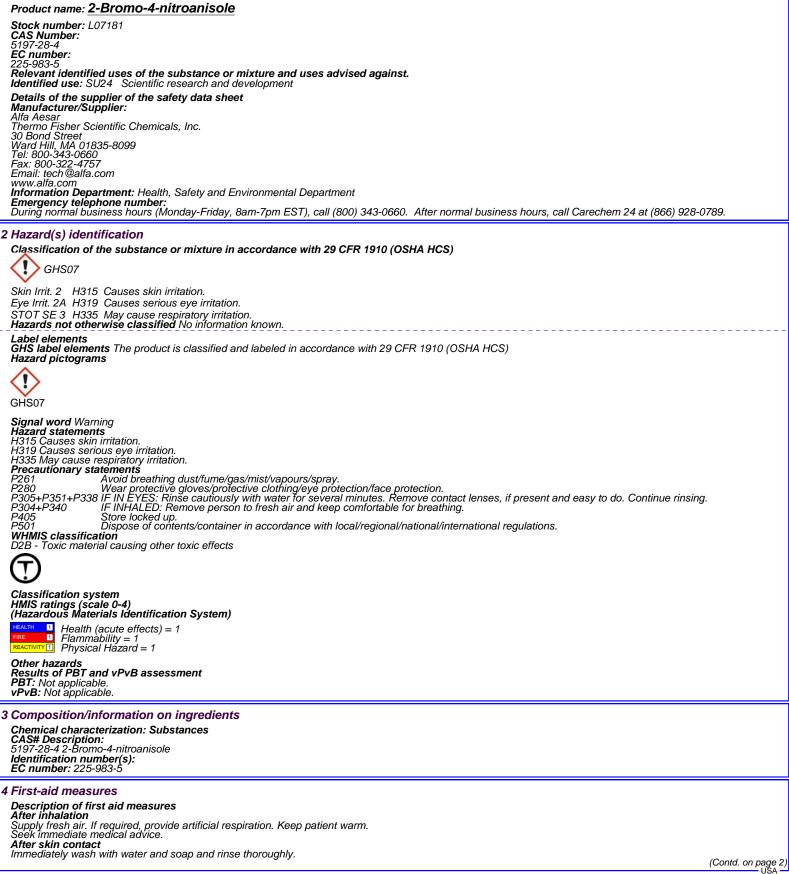




1 Identification Product identifier



Product name: 2-Bromo-4-nitroanisole

Product name: 2-Bromo-4-nitroaniso			
Seek immediate medical advice.		(Contd. of page 1)	
After eye contact Rinse opened eye for	r several minutes under running water. Then consult a doctor.		
After swallowing Seek medical tréatment. 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.			
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) Hydrogen bromide (HBr)			
Advice for firefighters			
Wear self-contained respirator. Wear fully protective impervious suit.			
6 Accidental release measures			
Personal precautions, protective equipment and emergency procedures			
Ensure adequate ventilation	Wear protective equipment. Keep unprotected persons away.		
Environmental precautions: Do not all Methods and material for containmen	ow material to be released to the environment without proper governmental permits. t and cleaning up: Ensure adequate ventilation.		
Prevention of secondary hazards: No Reference to other sections	special measures required.		
See Section 7 for information on safe ha	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			
Keep container tightly sealed. Store in cool, dry place in tightly closed o	containers		
Ensure good ventilation at the workplace	explosions and fires: No information known.		
Conditions for safe storage, including	•		
Storage Requirements to be met by storeroom	as and receptacles: No special requirements.		
	mon storage facility: Store away from oxidizing agents.		
Keep container tightly sealed.			
Store in cool, dry conditions in well seale Specific end use(s) No further relevant	information available.		
8 Exposure controls/personal prote	ection		
Additional information about design of Properly operating chemical tyme hood	of technical systems: designed for hazardous chemicals and having an average face velocity of at least 100 feet per minute.		
Control parameters			
Components with limit values that req Additional information: No data	quire monitoring at the workplace: Not required.		
Exposure controls			
Personal protective equipment General protective and hygienic meas	sures		
The usual precautionary measures for he Keep away from foodstuffs, beverages a	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 aloves	e for their proper condition.		
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: Safety glasses Body protection: Protective work clothi			
9 Physical and chemical properties Information on basic physical and chemical properties			
General Information Appearance:			
Form: Color:	Crystalline powder Pale yellow		
Odor: Odor threshold:	Not determined Not determined.		
pH-value:	Not applicable.		
Change in condition Melting point/Melting range:	103-108 °C (217-226 °F)		
Boiling point/Boiling range:	Not determined		
Sublimation temperature / start: Flash point:	Not determined Not applicable		
	····	(Contd. on page 3)	

(Contd. on page 3)

Product name: 2-Bromo-4-nitroanisole

		eviewed on 02/26/2009
Product name: 2-Bromo-4-nitroanisc	ole	
		(Contd. of page 2)
Flammability (solid, gaseous) Ignition temperature:	Not determined. Not determined	
Decomposition temperature:	Not determined	
Auto igniting:	Not determined.	
Danger of explosion: Explosion limits:	Product does not present an explosion hazard.	
Lower:	Not determined Not determined	
Upper: Vapor pressure:	Not applicable.	
Density: Relative density	Not determined Not determined.	
Vapor density	Not applicable.	
Evaporation rate Solubility in / Miscibility with	Not applicable.	
Water:	Insoluble	
Partition coefficient (n-octanol/water): Viscosity:		
dynamic: kinematic:	Not applicable. Not applicable	
Kinematic: Other information	Not applicable. No further relevant information available.	
10 Stability and reactivity		
Reactivity No information known. Chemical stability Stable under recomm	monded storage conditions	
Thermal decomposition / conditions to	to be avoided: Decomposition will not occur if used and stored according to specifications.	1
Possibility of hazardous reactions No Conditions to avoid No further relevant	o dangerous reactions known nt information available.	
Incompatible materials: Oxidizing agen	ents	I
Hazardous decomposition products: Carbon monoxide and carbon dioxide		
Nitrogen oxides Hydrogen bromide		1
· ·		
11 Toxicological information		
Information on toxicological effects Acute toxicity: No effects known.		I
LD/LC50 values that are relevant for c	classification: No data	
Skin irritation or corrosion: Causes sk Eye irritation or corrosion: Causes ser	kin irritation.	
Sensitization: No sensitizing effects kn	nous eye irritation. iown.	
Sensitization: No sensitizing effects kno Germ cell mutagenicity: No effects kno Carcinogenicity: No classification data	own.	
Reproductive toxicity: No effects know	a on carcinogenic properties of this material is available from the EPA, IARC, NTP, OSHA or ACGIH.	I
Specific target organ system toxicity -	 repeated exposure: No effects known. single exposure: May cause respiratory irritation. 	
Aspiration hazard: 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.	
<u> </u>		
12 Ecological information		
Toxicity	termentaria analahta	
Aquatic toxicity: No further relevant info Persistence and degradability No furth	ther relevant information available.	
Bioaccumulative potential No further re Mobility in soil No further relevant inform	relevant information available.	
Additional ecological information:	mation available.	
General notes:	the environment without proper governmental permits.	
Avoid transfer into the environment		
Results of PBT and vPvB assessment PBT: Not applicable.	.t	
vPvB: Not applicable.		
Other adverse effects No further releva	ant information available.	
13 Disposal considerations		
Waste treatment methods		
	or national regulations to ensure proper disposal.	
Recommendation: Disposal must be ma	nade according to official regulations.	
14 Transport information Not a hazardous material for transportati	tion	
UN-Number		
DOT, IMDG, IATA	None	
UN proper shipping name DOT, IMDG, IATA	None	
Transport hazard class(es)		
DOT, ADR, IMDG, IATA		
Class	None	
Packing group DOT, IMDG, IATA	None	
Environmental hazards:	None Not applicable.	
Special precautions for user	Not applicable. Not applicable.	
		(Contd. on page 4)

(Contd. on page 4)

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Product name: 2-Bromo-4-nitroanisole			
	(Contd. of page 3		
Transport in bulk according to Annex II of MARPOL73/78 and	d the IBC Code Not applicable.		
Transport/Additional information:	Not dangerous according to the above specifications.		
DOT Marine Pollutant (DOT):	Νο		
15 Regulatory information			
Safety, health and environmental regulations/legislation spe GHS label elements The product is classified and labeled in acc Hazard pictograms	cific for the substance or mixture cordance with 29 CFR 1910 (OSHA HCS)		
$\langle \mathbf{i} \rangle$			
GHS07			
P405 Store locked up.	spray. e protection/face protection. everal minutes. Remove contact lenses, if present and easy to do. Continue rinsing. l keep comfortable for breathing. with local/regional/national/international regulations.		
National regulations' This product is not listed in the U.S. Environmental Protection Ag to research and development only. This product must be used by product must not be used for commercial purposes or in formulat SARA Section 313 (specific toxic chemical listings) Substance California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is not Prop 65 - Developmental toxicity 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 Other regulations, limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to the RI	 gency Toxic Substances Control Act Chemical Substance Inventory. Use of this product is restricted or or directly under the supervision of a technically qualified individual as defined by TSCA. This tions for commercial purposes. is not listed. isted. ed. y qualified individuals. EACH Regulations (EC) No. 1907/2006. Substance is not listed. inex XVII of the Regulation (EC) No 1907/2006 (REACH) for the manufacturing, placing on the time of the result. 		
information to ensure proper use and protect the health and safe	ther information gathered by them, and should make independent judgement of suitability of this ty of employees. This information is furnished without warranty, and any use of the product not in tion with any other product or process, is the responsibility of the user.		
Department issuing SDS: Global Marketing Department Date of preparation / last revision 11/23/2015 / - Abbreviations and acronyms:	par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)		

EPA: Environmental Protection Agency (USA)

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