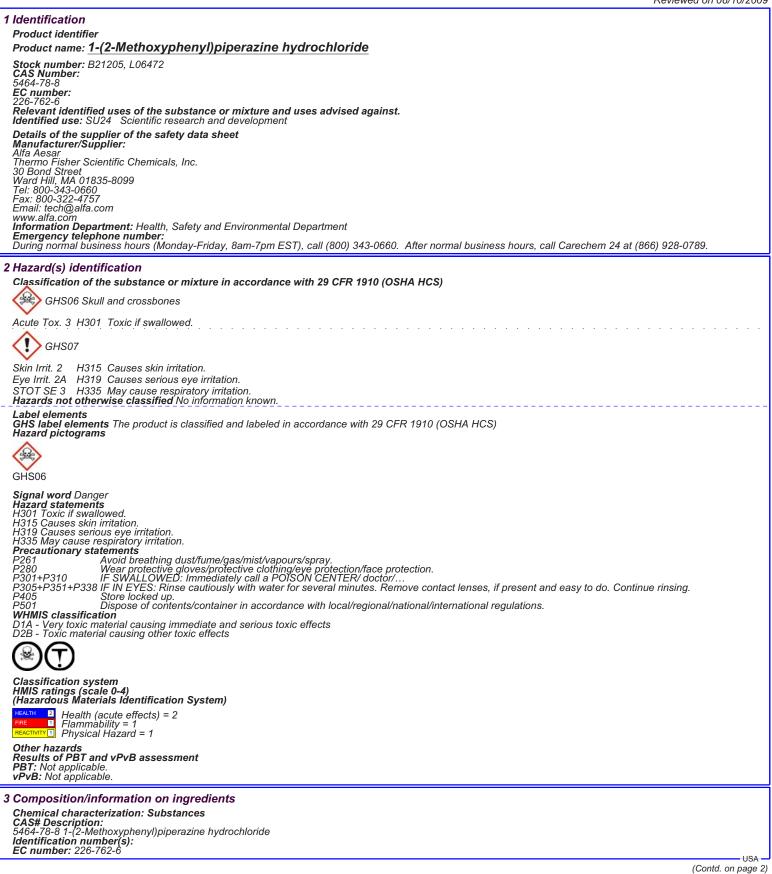


Safety Data Sheet per OSHA HazCom 2012



Product name: 1-(2-Methoxyphenyl)piperazine hydrochloride

(Contd. of page 1)

	(Contd. of page 1)
4 First-aid measures Description of first aid measures General information	
Immediately remove any clothing soiled by the product. In case of irregular breathing or respiratory arrest provide artificial respiration. After inhalation Supply treads are in the required provide artificial respiration.	
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 śwallowing Do not induce vómiting; immediately call for medicaľ help. 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 oxides (NOx)	
Carbon monoxide and carbon dioxide Nitrogen oxides (NOx) Hydrogen cyanide (HCN) Hydrogen chloride (HCI) 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	
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: 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 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. 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. Meintain an ergenemically expression working environment.	
Maintain an ergonomically appropriate working environment. Breathing equipment: Use suitable respirator when high concentrations are present. Protection of hands:	
Impervious gloves 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.	
Eye protection: Safety glasses Body protection: Protective work clothing.	USA
	(Contd. on page 3)

Product name: 1-(2-Methoxyphenyl)piperazine hydrochloride

Product name: 1-(2-Methoxyphenyl)	piperazine nydrochlonde	(Contd. of page 2)
0 Physical and shaminal preparties		(Contd. of page 2)
9 Physical and chemical properties Information on basic physical and che		
General Information Appearance:		
Form: Color:	Powder White	
Odor:	Not determined	
Odor threshold: pH-value:	Not determined.	
Change in condition	Not applicable.	
Melting point/Melting range: Boiling point/Boiling range: Sublimation temperature / start:	217-219 °C (423-426 °F) Not determined Not determined	
Flash point:	Not applicable	
Flammability (solid, gaseous)	Not determined. Not determined	
Ignition temperature: Decomposition temperature: Auto igniting:	Not determined Not determined.	
Danger of explosion:	Product does not present an explosion hazard.	
Explosion limits: Lower:	Not determined	
Upper:	Not determined	
Vapor pressure: Density:	Not applicable. Not determined	
Relative density	Not determined.	
Vapor density Evaporation rate	Not applicable. Not applicable.	
Solubility in / Miscibility with Water:	Not determined	
Partition coefficient (n-octanol/water):		
Viscosity: dynamic:	Not applicable.	
kinematic: Other information	Not applicable. No further relevant information available.	
Possibility of hazardous reactions No Conditions to avoid No further relevant Incompatible materials: Oxidizing ager Hazardous decomposition products: Carbon monoxide and carbon dioxide Nitrogen oxides Hydrogen chloride (HCI) Hydrogen cyanide	its	
11 Toxicological information		
Reproductive toxicity: No effects know Specific target organ system toxicity Specific target organ system toxicity Aspiration hazard: 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	
12 Ecological information		
Toxicity Aquatic toxicity: No further relevant info Persistence and degradability No furth Bioaccumulative potential No further re Mobility in soil No further relevant infor Additional ecological information: General notes: Do not allow material to be released to th Do not allow undiluted product or large of Avoid transfer into the environment. Results of PBT and vPvB assessment PBT: Not applicable. vPvB: Not applicable. Other adverse effects No further releva	elevant information available. mation available. he environment without proper governmental permits. quantities to reach ground water, water course or sewage system. t	
13 Disposal considerations		
Waste treatment methods		
Recommendation Consult state local of	or national regulations to ensure proper disposal.	
Uncleaned packagings: Recommendation: Disposal must be m	ade according to official regulations.	
		(Contd. on page 4

Safety Data Sheet per OSHA HazCom 2012

Product name: 1-(2-Methoxyphenyl)piperazine hydrochloride

(Contd. of page 3)

	(Contd. of page
4 Transport information	
UN-Number DOT, IMDG, IATA	UN2811
UN proper shipping name	0112011
DOT IMDG. IATA	Toxic solids, organic, n.o.s. (1-(2-Methoxyphenyl)piperazine hydrochloride) TOXIC SOLID, ORGANIC, N.O.S. (1-(2-Methoxyphenyl)piperazine hydrochloride)
Transport hazard class(es)	
DOT	
Class	6.1 Toxic substances.
Label	6.1
Class Label	6.1 (T2) Toxic substances 6.1
ĪMDG, IATA	0.1
×	
Class	6.1 Toxic substances.
Label Deckiew www.	6.1
Packing group DOT, IMDG, IATA	III
Environmental hazards:	Not applicable.
Special precautions for user	Warning: Toxic substances
Transport in bulk according to Annex II of MARPOL73/78 and the IBC	C Code Not applicable.
Transport/Additional information:	
DOT Marine Pollutant (DOT):	No
UN "Model Regulation":	UN2811, Toxic solids, organic, n.o.s. (1-(2-Methoxyphenyl)piperazine
	hydrochloride), 6.1, III
5 Regulatory information Safety, health and environmental regulations/legislation specific for GHS label elements The product is classified and labeled in accordance Hazard pictograms GHS06 Signal word Danger Hazard statements W201 Toxin if multiple word	the substance or mixture with 29 CFR 1910 (OSHA HCS)
Safety, health and environmental regulations/legislation specific for GHS label elements The product is classified and labeled in accordance Hazard pictograms GHS06 Signal word Danger Hazard statements H301 Toxic if swallowed. H315 Causes skin irritation. H319 Causes serious eye irritation. H319 Causes serious eye irritation. H319 Causes serious eye irritation. Precautionary statements P261 Avoid breathing dust/fume/gas/mist/vapours/spray. P280 Wear protective gloves/protective clothing/eye protect P301+P310 IF SWALLOWED: Immediately call a POISON CENTE P305+P351+P338 IF IN EYES: Rinse cautiously with water for several min P405 Store locked up. P501 Dispose of contents/container in accordance with local National regulations This product is not listed in the U.S. Environmental Protection Agency To. to research and development only. This product must be used by or direct product must not be used for commercial purposes or in formulations for of SARA Section 313 (specific toxic chemical listings) Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed. 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. 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, 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 S	ion/face protection. ER/ doctor/ inutes. Remove contact lenses, if present and easy to do. Continue rinsing. n/regional/national/international regulations. exic Substances Control Act Chemical Substance Inventory. Use of this product is restricte commercial purposes. listed.
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Safety Data Sheet per OSHA HazCom 2012

Product name: 1-(2-Methoxyphenyl)piperazine hydrochloride

- DOT: US Department of Transportation IATA: International Air Transport Association EINECS: European Inventory of Existing Commercial Chemical Substances 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 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) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA)

(Contd. of page 4)

USA