



Reviewed on 01/19/2012
1 Identification
Product identifier
Product name: Muscimol
Stock number: J61720 CAS Number:
2763-96-4 EC number:
220-430-4
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: 800-343-0660 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.
2 Hazard(s) identification
Classification of the substance or mixture in accordance with 29 CFR 1910 (OSHA HCS)
GHS06 Skull and crossbones
Acute Tox. 2 H300 Fatal if swallowed.
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
GHS06
Signal word Danger
Hazard statements H300 Fatal if swallowed.
Precautionary statements P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product. P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor/
P321 Specific treatment (see on this label).
P405 Store locked up. P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
WHMIS classification D1A - Very toxic material causing immediate and serious toxic effects
Classification system
HMIS ratings (scale 0-4) (Hazardous Materials Identification System)
HEALTH I Health (acute effects) = 3 FIRE I Flammability = 1
Flammability = 1 REACTIVITY I Physical Hazard = 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:
2763-96-4 Muscimol Identification number(s):
EC number: 220-430-4
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 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. (Contd. on page 2)
USA

(Contd. of page 1)

Product name: Muscimol After eye contact Rinse opened eye for several minutes under running water. Then consult a doctor. After swallowing Do not induce vomiting; immediately call for medical 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: Arbon monoxide and carbon dioxide Nitrogen oxides (NOx) 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: Dispose of contaminated material as waste according to section 13. 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. 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: Refrigerate Information about storage in one common storage facility: Do not store together with acids. Store away from acid chlorides. Store away from acid anhydrides. Protect from heat Further information about storage conditions: Keep container tightly sealed. Refrigerate 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: The product does not contain any relevant 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 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. Maintain an ergonomically appropriate working environment. Breathing equipment: Use suitable respirator when high concentrations are present. Impervious gloves 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. **Penetration time of glove material (in minutes)** Not determined **Eye protection:** Safety glasses **Body protection:** Protective work clothing. 9 Physical and chemical properties Information on basic physical and chemical properties General Information Appearance: Form: Color: Powder White to off-white Odor: Not determined Odor threshold: Not determined pH-value: Not applicable.

Change in condition Melting point/Melting range: Not determined Boiling point/Boiling range: Not determined (Contd. on page 3)

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Product name: Muscimol				
	(Co	ntd. of page 2)		
Sublimation temperature / start: Flammability (solid, gaseous) Ignition temperature: Decomposition temperature: Auto igniting:	Not determined Not determined Not determined Not determined Not determined.			
Danger of explosion: Explosion limits: Lower:	Not determined. Not determined			
Upper: Vapor pressure: Density: Relative density	Not determined Not applicable. Not determined Not determined.			
Vapor density Evaporation rate Solubility in / Miscibility with Water:	Not applicable. Not applicable. Not determined			
Partition coefficient (n-octanol/water) Viscosity: dynamic: kinematic:				
Other information	No applicable. No further relevant information available.			
10 Stability and reactivity Reactivity No information known. Chemical stability Stable under recomm Thermal decomposition / conditions to Possibility of hazardous reactions No Conditions to avoid No further relevant Incompatible materials: Acids Oxidizing agents Acid chlorides Acid anhydrides Heat Hazardous decomposition products: Carbon monoxide and carbon dioxide Nitrogen oxides	mended storage conditions. to be avoided: Decomposition will not occur if used and stored according to specifications. o dangerous reactions known t information available.			
LD/LC50 values that are relevant for of Oral LD50 22 mg/kg (mouse)	al Substances (RTECS) contains acute toxicity data for components in this product. classification:			
Reproductive foxicity: No effects know Specific target organ system toxicity Specific target organ system toxicity Aspiration hazard: No effects known. Subacute to chronic toxicity: The Reg	e 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.			
12 Ecological information Toxicity Aquatic toxicity: No further relevant inf Persistence and degradability No furth Discourgulative metavial No further	her 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.				
	ater, water course or sewage system, even in small quantities. ely small quantities leak into the ground. t			
13 Disposal considerations Waste treatment methods Recommendation Consult state, local o Uncleaned packagings: Recommendation: Disposal must be m	or national regulations to ensure proper disposal. nade according to official regulations.			
14 Transport information				
UN-Number DOT, IMDG, IATA	UN1544			
UN proper shipping name DOT	Alkaloids, solid, n.o.s. (Muscimol)			
		ntd. on page 4)		

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Safety Data Sheet per OSHA HazCom 2012		Printing date 11/23/2015 Reviewed on 01/19/2012
Product name: Muscimol		
IMDG. IATA	ALKALOIDS, SOLID, N.O.S. (Muscimol)	(Contd. of page 3)
Transport hazard class(es)	ALIALODO, SOLID, N.O.S. (Musulmo)	
Class Label Class Label IMDG, IATA	6.1 Toxic substances. 6.1 6.1 (T2) Toxic substances 6.1	
Class	6.1 Toxic substances.	
Label	6.1	
Packing group DOT, IMDG, IATA	11	
Environmental hazards:	Not applicable.	
Special precautions for user EMS Number:	Warning: Toxic substances F-A,S-A	
Transport in bulk according to Annex II of MARPOL73/78 an	d the IBC Code Not applicable.	
Transport/Additional information: DOT		
Marine Pollutant (DOT):	No	
UN "Model Regulation":	UN1544, Alkaloids, solid, n.o.s. (Muscimol), 6.1, II	
SARA Section 313 (specific toxic chemical listings) Substan California Proposition 65 Prop 65 - Chemicals known to cause cancer Substance is no Prop 65 - Developmental toxicity Substance is not listed. Prop 65 - Developmental toxicity, female Substance is not listed Information about limitation of use: For use only by technically qualified individuals. This product is subject to the reporting requirements of section 3 Other regulations, limitations and prohibitive regulations Substance of Very High Concern (SVHC) according to the R The conditions of restrictions according to Article 67 and A market and use must be observed. Substance is not listed. Annex XIV of the REACH Regulations (requiring Authorisati Chemical safety assessment: A Chemical Safety Assessment	ITER/ doctor/ pcal/regional/national/international regulations. natal Protection Agency Toxic Substances Control Act Chemical substa Domestic Substances List (NDSL). ce is not listed. t listed. t listed. d. B13 of the Emergency Planning and Community Right to Know Act of PEACH Regulations (EC) No. 1907/2006. Substance is not listed. nnex XVII of the Regulation (EC) No 1907/2006 (REACH) for the n	1986 and 40CFR372.
information to ensure proper use and protect the health and safe conformance with this Material Safety Data Sheet, or in combine Department issuing SDS: Global Marketing Department Date of preparation / last revision 11/23/2015 / - Abbreviations and acronyms: BD: Referent international concernant le transport des marchandises dangereuse	other information gathered by them, and should make independent jun by of employees. This information is furnished without warranty, and ation with any other product or process, is the responsibility of the use is par chemin de fer (Regulations Concerning the International Transport of Dangerous Good European Agreement concerning the International Carriage of Dangerous Goods by Road)	l āny use of the product not in er.
		(Contd. on page 5 USA –

Product name: Muscimol

NTP: National Toxicology Program (USA) IARC: International Agency for Research on Cancer EPA: Environmental Protection Agency (USA) Page 5/5 Printing date 11/23/2015 Reviewed on 01/19/2012

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