

Sulfo-MBS

MATERIAL SAFETY AND DATA SHEET

Section 1 Chemical Product and Company Identification	
Name	Sulfo-MBS Cat.# UP52444
Synonyms (CAS, chemical names, tradename, abbreviates...)	m-MaleimidoBenzoyl-N-SulfoSuccinmide ester
Company identification	UPTIMA-INTERCHIM 213 J.F.Kennedy, 03100 Montluçon (FRANCE) Tel. :+33 (0)4 70 03 88 55 Fax: +33 (0)4 70 03 82 60 e-mail: uptima@interchim.com
In case of Emergency	In Europe: Call UPTIMA-INTERCHIM Tel.: +33 4 70 03 88 55 out of office: Centre anti Poisons de Lyon Tel.: +33 4 72 11 69 11 In US: call CHEMTREC Tel.: 800;424;9300

Section 2 Composition, Information on Ingredients		
Component	Hazardous ingredients (Identification, CAS, Name...)	Information (% weight, state...)
#UP52444	m-MaleimidoBenzoyl-N-SulfoSuccinmide ester	100%, powder

Section 3 Hazards Identification	
Label precautionary statement	Absorbed through skin. Eye contact. Inhalation. Ingestion.
Emergency overview	Cause damage to the following organs: eyes May cause eye irritation. Avoid contact with eyes. Wash thoroughly after handling.
Accute health effects (Eye, Skin, Ingestion, Inhalation, Chronic)	No specific information is available in our database regarding the other toxic effects of this material for humans.
Other information (over-exposure, toxicity...)	EU Regulations: R36 – Irritating to eyes S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

Section 4 First aid Measures	
Emergency first measures (Eyes, Skin, Ingestion, Inhalation...)	SKIN: wash contaminated skin with soap and water. EYES: flush with plenty of water for at least 15 min, occasionally lifting the upper and lower eyelids. Seek medical attention Inhalation: move exposed person to fresh air. If irritation persists, get medical attention. Ingestion: do not induce vomiting. If affected person is conscious, give plenty of water to drink. Seek medical attention.

Section 5 Fire Fighting Measures	
Physical Information (Flammability, auto-ignition, flash point...)	May be combustible at high temperature
Extinguishing media	Use DRY chemical powder in a small fire Use water spray, fog or foam. Do not use water jet in a large fire. Be sure to use

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Section 6 Accidental Release Measures	
Spills and Leaks	Small Spill and Leak: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements. Large spill and Leak: Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.
Other	

Section 7 Handling and Storage	
Handling	Avoid contact with eyes. Wash thoroughly after handling.
Storage	Keep container tightly closed. Store crosslinkers desiccated at temperature indicated on vial label (either +4°C or -20°C). Once opened, store the crosslinker under dry nitrogen gas at proper storage temperature. Do not open the container until it and the contents have warmed to room temperature (this may take at least 30 minutes). Avoid exposure to moisture.

Section 8 Exposure Controls, Personal Protection	
Engineering controls / Personal protection	Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Personal protection (eyes, hands, body, respiratory...)	Eyes : Splash goggles Body: Lab coat Respiratory: Dust respirator. Be sure to use an approved/certified respirator or equivalent Hands: Gloves
Exposure limits	consult local authorities

Section 9 Physical and Chemical Properties	
Physical state / Appearance	Solid white powder
Odor	No available
Other (pH, Melting/Freezing Point, Vapor Pressure, Vapor Density, Volatility, Boiling Point, Viscosity, Flash point, Auto-ignition temperature, Explosion limits (low.Upp.), Specific Gravity / Density, Molecular Formula /MW)	Molecular Formula: $C_{15}H_9O_9N_2Na_2S$ Molecular Weight: 416.3 g/mol Solubility: Partially soluble in cold water, hot water
Comments	Stable

Section 10 Stability and Reactivity	
Chemical Stability	This product is stable.
Chemical Reactivity (conditions, by-products...)	
Incompatibilities (conditions, materials...)	Reactive with moisture
Decomposition polymerisation (conditions, materials...)	Not available
Comments	

Section 11 Toxicological Information	
Toxicity in human	Causes damage to the following organs: eyes Hazardous in case of eye contact (irritant). Slightly hazardous in case of ingestion, of inhalation (lung irritant)
Other toxic effects (carcinogenicity, teratogenicity, reproductive toxicity, mutagenesis)	To the best of our knowledge, the toxicological properties of this product have not been thoroughly investigated.

For any question,
contact your local distributor

Uptima,
powered by



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Remarks (RTECS...)	
Section 12 Ecological Information	
Ecotoxicity (BOD5, COD...) Biodegradation Mobility	Not toxic
Section 13 Disposal Considerations	
Waste	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Section 14 Transport Information	
Comments (marine pollutants...)	Contact Uptima for all transport information
Section 15 Regulatory Information	
Classification International	EINECS Not available DSCL (EEC) R36-Irritating to eyes
Section 16 Additional Information	
MSDS validation	UPTIMA-INTERCHIM, D1V
Comment	<i>The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no way shall the company be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if the company has been advised of the possibility of such damages</i>