

CHAPS

MATERIAL SAFETY AND DATA SHEET

Section 1		Chemical Product and Company Identification	
Name	nom CHAPS	Cat.# UP333514-5g, UP333515-100g	
Synonyms (CAS, chemical names, tradename, abbreviates...)	3-[(3-cholamidopropyl)dimethylammonio]propanesulfonic acid. 75621-03-3		
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 out of office: Centre anti Poisons de Lyon In US: call CHEMTREC	Tel.: +33 4 70 03 88 55 Tel.: +33 4 72 11 69 11 Tel.: 800;424;9300	

Section 2		Composition, Information on Ingredients	
Component	Hazardous ingredients (Identification, CAS, Name...)	Information (% weight, state...)	
#UP333514 #UP333515	3-[(3-Cholamidopropyl)dimethylammonio]propanesulfonic acid. [75621-03-3]		

Section 3		Hazards Identification	
Label precautionary statement	May be harmful by inhalation, ingestion, or skin absorption. Cause eye and skin irritation Material is irritating to mucous membranes and upper respiratory tract.		
Emergency overview	In case of contact, rinse immediately with plenty of water and seek medical advice. Take off all contaminated clothing.		
Accute health effects (Eye, Skin, Ingestion, Inhalation, Chronic)	May be harmful by inhalation, ingestion, or skin absorption. Cause eye and skin irritation Material is irritating to mucous membranes and upper respiratory tract.		
Other information (over-exposure, toxicity...)	See section 11		
Precautionary guidelines	Wear suitable protective clothing, gloves and eye/face when handling to avoid contact		

Section 4		First aid Measures	
General measures	Remove contaminated clothing promptly. Allow the victim to rest in a well ventilated area, Seek medical attention		
Emergency first measures (Eyes, Skin, Ingestion, Inhalation...)	In case of skin contact, wash thoroughly with soap and copious amount of water. In case of eye contact, rinse immediately 15min by separating eyelids, and seek for medical advice If inhaled, remove victim to fresh air. If difficul breathing, give oxygen and obtain medical attention. If not breathing, give artificial respiration. If breathing is difficult , give oxygen If ingested, do NOT induce vomiting, If conscious and alert, rinse mouth, drink plenty of water, and seek for medical advice.		
Notes to physicians	Treat symptomatically		

Section 5		Fire Fighting Measures	
Physical Information (Flammability, auto-ignition, flash point...)	Not available		
General information	Wear protective clothing, respirator, chemical safety goggles, rubber boots and heavy rubber gloves		
Extinguishing media	In case of fire, use water or extinguishing media (carbon dioxide, dry chemical powder, or appropriate foam) appropriate to surrounding fire conditions.		
Spills and Leaks	Fire may produce irritating or poisonous gases		

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Section 6 Accidental Release Measures	
General information	(see section 8): wear self-contained breathing apparatus, rubber boots, chemical resistant gloves.
Spills and Leaks	Sweep up or vacuum material and place into a suitable waste disposal container. Clean contaminated surfaces by spreading water. Ventilate area. Avoid raising dust. Dispose off according to local and regional authority requirements. See section 13
Other	

Section 7 Handling and Storage	
Handling	Wear a proper personal protective equipment to avoid skin and eye exposure (see section 8)
Storage	Store all components well tightly closed, protect from moisture. store in a cool and dry place

Section 8 Exposure Controls, Personal Protection	
Engineering controls	Ensure there is eyewash stations and safety showers close to the work-stations. Avoid breathing vapors, and provide an exhaust ventilation if prolonged work periods.
Personal protection (eyes, hands, body, respiratory...)	For normal use, chemical-resistant gloves. Wear protective clothing (laboratory suit, safety goggles) to prevent skin contact. Wash or discard contaminated clothes if reused. Do not breath dust. Use only in a chemical fume hood. Avoid prolonged or repeated exposure. safety shower and eye bath. Face shield Keep tightly closed, store in a cool place. In case of large spill, additional protective wears may be needed (boots, splash goggles and safety glasses...). Wear a NIOSH/MSHA or European Standard EN 149 approved full-face piece airline respirator in the positive pressure mode with emergency escape provisions Respiratory protection : necessary Ventilation, local exhaust: Chemical fume hood Mechanical: necessary Protective gloves :chemical-resistant gloves Eye protection: Chemical-safety goggles Other protective clothing or equipment: necessary Work/hygenics practices: <ul style="list-style-type: none"> - Wash thoroughly after handling - Access to a safety shower and eye-wash - Do not permit eating, drinking or smoking near material.
Exposure limits	consult local authorities

Section 9 Physical and Chemical Properties	
Physical state / Appearance	Solid white powder
Odor	No remarkable odor
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	Water soluble Other datas not available
Comments	Stable

Section 10 Stability and Reactivity	
Chemical Stability Chemical Reactivity (conditions, by-products...)	This product is stable under normal storage and handling conditions (normal temperature and pressure)
Incompatibilities (conditions, materials...)	strong oxidizing agents, strong acids and bases
Decomposition polymerisation (conditons, materials...)	Hazardous decomposition it may emit toxic fumes of carbon oxides (CO, CO ₂), nitrogen oxides (NO, NO ₂) and sulfur oxides.. No Hazardous polymerisation
Comments	

For any question, contact your local distributor

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Section 11 Toxicological Information	
Toxicity in animals in human	No data available.
Chronic effects (carcinogenicity, teratogenicity, reproductive toxicity, mutagenesis)	No data available.
Remarks (RTECS...)	RTECS not listed

Section 12 Ecological Information	
Ecotoxicity (BOD5, COD...)	Not available
Biodegradation	
Mobility	
Remarks	

Section 13 Disposal Considerations	
Waste	Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all local regulations.
Remarks	Consult your local or regional authority or a licensed professional waste service

Section 14 Transport Information	
Classifications (Other classifications)	Not controlled
Shipping	Room temperature
Hazards Class	
UN Class	
Packing Group	
Comments (marine pollutants...)	

Section 15 Regulatory Information	
Classification Europe	* European labeling in accordance with EC directives Not Regulated according EU regulations (DSCL/EEC) CAUTION: product not yet fully tested Hazard symbols: IRRITANT Risk phrases: R36/37/38 Safety phrases: S36/37/39
Other classifications	

Section 16 Additional Information	
MSDS validation	UPTIMA-INTERCHIM, D11A
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>