

Chloroform:Isoamyl alcohol 24:1

MATERIAL SAFETY AND DATA SHEET

Section 1	Chemical Product and Company Identification	
Name	Chloroform: isoamyl alcohol 24:1	Cat.# UP899254
Synonyms (CAS, chemical names, tradename, abbreviates...)	Chloroform: isoamyl alcohol 24:1	
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 hazardous Ingredients	
Component	Hazardous ingredients (Identification, CAS, % weight,... RTECS#, R&S phrase...)	
Chloroform #UP24221:	67-66-3 >95.0%	FS9100000
	CHCl ₃ , MW: 119.38	Xn, R22-38-40-36/37/39
Isoamyl Alcohol :	123-51-3 <5.0%	EL5425000
	(CH ₃) ₂ CHCH ₂ CH ₂ OH, MW:88.15	Xn, R10-20-37-66

Section 3	Hazards Identification	
Precautionary statement (EU)	See section 15 label regulatory information. Harmful if swallowed or inhaled, Irritating to eyes, respiratory system and skin. Target organ(s): Nerves – Heart – Liver – Eyes – Skin – Kidneys (USAa: see section 15: Highly toxic. Carcinogen. Irritant)	
Emergency overview	In case of accident or if you feel unwell, seek medical advice Immediately (show the label where possible). In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.	
Accute health effects (Eye, Skin, Ingestion, Inhalation, Chronic)		
Other information (over-exposure, toxicity...)	See section 11	
Precautionary guidelines	Wear suitable protective clothing, gloves and eye/face. Do not breathe vapor.	

Section 4	First aid Measures	
Emergency first measures (Eyes, Skin, Ingestion, Inhalation...)	In case of contact, immediately flush eyes or skin with copious amounts of water for at least 15 minutes while removing contaminated clothing and shoes. Contamination of the eyes should be treated by immediate and prolonged irrigation with copious amounts of water.* If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.* If swallowed, wash out mouth with water provided person is conscious.* *Call a physician immediately. Wash contaminated clothing before reuse.	
Notes to physicians	Treat symptomatically.	

Section 5	Fire Fighting Measures	
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Physical Information (Flammability, auto-ignition, flash point...)	Non-combustible. Emits toxic fumes under fire conditions.
General information	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Extinguishing media	Use extinguishing media appropriate to surrounding fire conditions.

Section 6 Accidental Release Measures	
General information	Evacuate area. Wear self-contained breathing apparatus, rubber boots and heavy rubber gloves. Absorb on sand or vermiculite and place in closed containers for disposal.
Spills and Leaks	Ventilate area and wash spill site after material pickup is complete.

Section 7 Handling and Storage	
Handling	Store in a cool dry place, tightly closed, protected from light. Refer to section 8.

Section 8 Exposure Controls, Personal Protection	
Engineering controls	Use only in a chemical fume hood. Safety shower and eye bath.
Personal protection (eyes, hands, body, respiratory...)	Wear appropriate niosh/msha-approved respirator, chemical-resistant Gloves, safety goggles, other protective clothing. Do not breathe vapor. Avoid all contact. Do not get in eyes, on skin, on clothing. Wash after handling. Wash thoroughly contaminated clothing before reuse. Keep tightly closed.

Section 9 Physical and Chemical Properties	
Physical state / Appearance	Liquid

Section 10 Stability and Reactivity	
Chemical Stability Chemical Reactivity (conditions, by-products...)	This product is stable under normal storage and handling conditions (see section 7)
Incompatibilities (conditions, materials...)	Strong bases, strong oxidizing agents, Aluminum, Magnesium, Sodium, Lithium Sensitive to light
Decomposition polymerisation (conditions, materials...)	Hazardous combustion or decomposition products: Toxic fumes of Hydrogen chloride gas, Phosgene gas, Carbon monoxide, carbon dioxide Hazardous polymerization: will not occur.

Section 11 Toxicological Information	
Chronic effects (carcinogenicity, teratogenicity, reproductive toxicity, mutagenesis)	May be fatal if inhaled, swallowed, or absorbed through skin. Vapor or mist is irritating to the eyes, mucous membranes and upper respiratory tract. Causes skin irritation. Skin absorption may occur. Exposure can cause: nausea, dizziness and headache Exposure limit (European Union / Source OEL): 10mg/m ³ , 2ppm May cause nervous system disturbances CHRONIC EFFECTS: Carcinogen. May alter genetic material. Exposure to and/or consumption of alcohol may increase toxic effects. TARGET ORGAN(S): Nerves – Heart – Liver – Kidneys – Liver – Eyes – Skin
Remarks (RTECS...)	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Section 12 Ecological Information	
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For any question,
contact your local distributor

Uptima,
powered by



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Ecotoxicity (BOD5, COD...)	Not available
Biodegradation	
Mobility	

Section 13	Disposal Considerations
Waste	Observe all federal, state and local environmental regulations.

Section 14	Transport Information
UN Class	UN 1888 Class 6.1
Packing Group	packing group III
Comments (marine pollutants...)	Proper shipping name: chloroform, solution

Section 15	Regulatory Information
Classification (Europe)  R20/22-38-40-36/37/38 S36/37/39	Xn Harmful R: 20/22: Harmful if inhaled or swallowed R: 38 Danger of serious damage to health by prolonged exposure R: 40 Limited evidence of a carcinogenic effect R: 36/37/38 Irritating to eyes, respiratory system and skin S: 36/37/39 Wear suitable protective clothing, gloves and eye/face protection S:38 In case of insufficient ventilation, wear suitable respiratory equipment Other classifications USA: Highly toxic, may cause cancer (R: 26/27/28-45-36/37/38) This product is subject to Sara section 313 reporting requirements. California proposition 65: this product is or contains chemical(s) known to the state of California to cause cancer.

Section 16	Additional Information
MSDS validation	UPTIMA-INTERCHIM, I08bE-H06vb-12/26/97 reviewed: 5/2008
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>