

Phenol : chlorophorm

MATERIAL SAFETY AND DATA SHEET

Section 1		Chemical Product and Company Identification	
Name	nom Phenol chlorophorm	Cat.# UP873358	
Synonyms (CAS, chemical names, tradenam, abbreviates...)	Not available		
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 CAS	Information % weight	
Phenol	108-95-2,	55-61%	
Chlorophorm	67-66-3	40-50%	
Isoamyl Alcohol	123-51-3	<1%	

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Section 3 Hazards Identification	
Physical State and Appearance	Liquid.
Label precautionary statement	Not available
Emergency overview	<p>DANGER! CAUSES SEVERE EYE AND SKIN IRRITATION. CAUSES DAMAGE TO THE FOLLOWING ORGANS: KIDNEYS, NERVOUS SYSTEM, LIVER, HEART, SPLEEN, RESPIRATORY TRACT, SKIN, EYES, CENTRAL NERVOUS SYSTEM. FLAMMABLE LIQUID AND VAPOR. VAPOR MAY CAUSE FLASH FIRE. MAY BE HARMFUL IF SWALLOWED. POSSIBLE CANCER HAZARD CONTAINS MATERIAL WHICH MAY CAUSE CANCER BASED ON ANIMAL DATA.</p> <p>Risk of cancer depends on duration and level of exposure. Keep away from heat, sparks and flame. Avoid contact with eyes, skin and clothing. Do not ingest. Avoid breathing vapor or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.</p>
Accute health effects (Eye, Skin, Ingestion, Inhalation, Chronic)	<p>Very hazardous in case of eye contact (irritant). Hazardous in case of eye contact (corrosive). Inflammation of the eye is characterized by redness, watering, and itching.</p> <p>Sensitization of the product: Not available. Very hazardous in case of skin contact (irritant, permeator). Hazardous in case of skin contact (corrosive). Skin contact may produce burns. Severe over-exposure can result in death. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.</p> <p>Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Over-exposure by inhalation may cause respiratory irritation. May be fatal if inhaled.</p> <p>May be fatal if swallowed. May cause burns to mouth, throat, and stomach.</p>
Other information (over-exposure, toxicity...)	See section 11
Precautionary guidelines	Wear suitable protective clothing, gloves and eye/face when handling to avoid contact

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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...)	Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately. In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with an emollient. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately. If swallowed, do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.
Notes to physicians	Not available

Section 5 Fire Fighting Measures	
Physical Information (Flammability, auto-ignition, flash point...)	Flammable. The lowest known value is 349.9°C (661.8°F) (Isoamyl Alcohol). The lowest known value is CLOSED CUP: 41.9°C (107.4°F). (Isoamyl Alcohol) The greatest known range is LOWER: 1.2% UPPER: 9% (Isoamyl Alcohol) These products are carbon oxides (CO, CO ₂), halogenated compounds.
Fire Hazards in Presence of Various Substances	Not available.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media and Instructions	Be sure to use an approved/certified respirator or equivalent.
Protective Clothing (Fire)	Be sure to use an approved/certified respirator or equivalent.
Special Remarks on Fire Hazards	Combustible material: may burn but does not ignite readily. When heated, vapors may form explosive mixtures with air: indoors, outdoors, and sewers explosion hazards. Some may polymerize (P) explosively when heated or involved in a fire. Contact with metals may evolve flammable hydrogen gas. Containers may explode when heated. Runoff may pollute waterways. Substance may be transported in a molten form. (Phenol)
Special Remarks on Explosion Hazards	Not available.

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Section 6 Accidental Release Measures	
Small Spill and Leak	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. If necessary: Neutralize the residue with a dilute solution of sodium carbonate.
Large Spills and Leaks	Flammable liquid. Corrosive liquid. Poisonous liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray curtain to divert vapor drift. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Neutralize the residue with a dilute solution of sodium carbonate. Be careful that the product is not present at a concentration level above TLV. Check TLV on the MSDS and with local authorities.

Section 7 Handling and Storage	
Handling	Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment.
Storage	Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8 Exposure Controls, Personal Protection	
Engineering controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Personal protection (eyes, hands, body, respiratory...)	Eyes : Face shield. Body : Full suit. Respiratory: Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Hands : Gloves. Feet : Boots.
Exposure limits	consult local authorities

Section 9 Physical and Chemical Properties	
Physical state / Appearance	Liquid
Odor	Not available.

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<p>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</p>	<p>Molecular Weight : Not applicable. Molecular Formula: Not applicable. pH (1% Soln/Water): Acidic. Boiling/Condensation Point: The lowest known value is 60.55°C (141°F) (Chloroform). Weighted average: 122.16°C (251.9°F) Melting/Freezing Point: May start to solidify at 40.9°C (105.6°F) based on data for: Phenol. Weighted average: -13.17°C(8.3°F) Critical Temperature : The lowest known value is 263.3°C (505.9°F) (Chloroform). Specific Gravity : Weighted average: 1.23 (Water = 1) Vapor Pressure : The highest known value is 21.3 kPa (@ 20°C) (Chloroform). Weighted average: 10.37 kPa (@ 20°C) Vapor Density : The highest known value is 4.1 (Air = 1) (Chloroform). Weighted average: 3.65 (Air = 1) Volatility : Not available. Odor Threshold : Not available. Evaporation Rate : 10.2 (Chloroform) compared to Butyl acetate. VOC : Not available. Viscosity : Not available. LogKow : Not available. Ionicity (in Water): Not available. Dispersion Properties : See solubility in water. Solubility : Partially soluble in cold water, hot water. Physical Chemical Comments: Not available.</p>
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Section 10 Stability and Reactivity	
Chemical Stability Chemical Reactivity (conditions, by -products...)	The product is stable.
Incompatibilities (conditions, materials...)	Reactive with oxidizing agents, metals, acids, alkalis.
Decomposition polymerisation (conditions, materials...)	These products are halogenated compounds. Hazardous Polymerization Will not occur.

Section 11 Toxicological Information	
Toxicity in animals in human	<p>Acute oral toxicity (LD50): 36 mg/kg [mouse]. (Chloroform). Acute dermal toxicity (LD50): 630 mg/kg [rabbit]. (Phenol). CARCINOGENIC EFFECTS: Classified A4 (Not classifiable for human or animal.) by ACGIH, 3 (Not classifiable for human.) by IARC [Phenol]. Classified A3 (Proven for animal.) by ACGIH, 2B (Possible for human.) by IARC, 3 (Possible for human.) by European Union [Chloroform]. Very hazardous in case of skin contact (irritant, permeator). Slightly hazardous in case of ingestion, of inhalation (lung irritant).</p>
Chronic effects (carcinogenicity, teratogenicity, reproductive toxicity, mutagenesis)	<p>MAY CAUSE CANCER TARGET ORGAN(S): CENTRAL NERVOUS SYSTEM KIDNEYS LIVER PANCREAS SPLEEN TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.</p>
Remarks (RTECS...)	Not available.

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Section 12 Ecological Information	
Ecotoxicity (BOD5, COD...)	Not available.
Biodegradation	Not available.
Mobility	Not available.
Remarks	The products of degradation are as toxic as the product itself.

Section 13 Disposal Considerations	
Waste	THIS COMBUSTIBLE MATERIAL MAY BE BURNED IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER..
Remarks	Consult your local or regional authority or a licensed professional waste service

Section 14 Transport Information	
Classifications	CLASS 6.1: Poisonous material.
(Other classifications)	TOXIC LIQUID, ORGANIC, N.O.S., 6.1, 8, UN2922,
Shipping	
Hazards Class	
UN Class	UN # 2810
Packing Group	packing group III
Comments (marine pollutants...)	Not available.

Section 15 Regulatory Information	
Classification Europe	TOXIC CAUSE BURNS R34 VERY TOXIC BY INHALATION R 26/27/28 MAY CAUSE CANCER R 45 S 36/37/39 WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION
Other classifications	US information This product is subject to sara section 313 reporting requirements

Section 16 Additional Information	
MSDS validation	UPTIMA-INTERCHIM, C08F
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>