

Paushak Limited

Safety Data Sheet

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product name	:	Phenyl Chloroformate
CAS No.	:	1885-14-9
Company	:	Paushak Limited At: Panelav, PO:Tajpura, Taluka: Halol District: Panchmahals - 389350 Gujarat, INDIA.
Telephone	:	+91 2676 664403 / 664412
Emergency Phone #	:	+91-9909985374

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture:

Corrosive to metals (Category 1)
Acute toxicity (Oral) (Category 4)
Acute toxicity (Inhalation) (Category 1)
Skin corrosion/irritation (Category 1B)
Serious eye damage/eye irritation (Category 1)

Signal word:

Danger

Hazard Statement(s):

H290: May be corrosive to metals.
H302: Harmful if swallowed.
H330: Fatal if inhaled.
H314: Causes severe skin burns and eye damage.

Pictogram(s) or Symbol(s):



Precautionary Statement(s):

P234: Keep only in original container.
P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P271: Use only outdoors or in a well-ventilated area.
P270: Do not eat, drink or smoke when using this product.
P264: Wash hands thoroughly after handling.
P284: Wear respiratory protection.
P304+P340: IF INHALED; Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P310: Immediately call a POISON CENTER or doctor/physician.
P301+P330+P331: IF SWALLOWED; rinse mouth. Do NOT induce vomiting.
P305+P351+P338: IF IN EYES; Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P303+P361+P353: IF ON SKIN (or hair); Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P363: Wash contaminated clothing before reuse.
P310: Immediately call a POISON CENTER or doctor/physician.
P390: Absorb spillage to prevent material damage.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P405: Store locked up.
P501: Dispose of contents/container through a waste management company authorized by the local government.
This substance/mixture contains no components considered to be persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. Lachrymator.

Hazards not otherwise classified:

3. COMPOSITION/INFORMATION ON INGREDIENTS				
Substance/Mixture:				
Components:	Phenyl Chloroformate			
CAS Number:	1885-14-9			
EC Number:	217-547-8			
Molecular Weight:	156.57 g/mol			
Chemical Formula:	C ₇ H ₅ ClO ₂			
Synonyms:	Chloroformic acid phenyl ester			
CA Index:	No data available			
4. FIRST AID MEASURES				
General advice:	Consult a physician. Show this safety data sheet to the doctor in attendance.			
Inhalation:	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.			
Skin contact:	Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Take victim immediately to hospital. Consult a physician.			
Eye contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.			
Ingestion:	Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.			
Symptoms/effects, both acute & delayed:	The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11			
Immediate medical attention:	No data available			
5. FIRE-FIGHTING MEASURES				
Suitable extinguishing media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.			
Unsuitable extinguishing media for safety reasons:	Water			
Specific hazards arising from the chemical				
Hazardous combustion products:	Carbon oxides, Hydrogen chloride gas			
Other specific hazards:	No data available			
Special precautions for fire-fighters:	Wear self-contained breathing apparatus for fire fighting if necessary.			
Special protective equipment for fire-fighters:	Use water spray to cool unopened containers.			
NFPA	Health 4	Flammability 2	Instability 2	Instability W
6. ACCIDENTAL RELEASE MEASURES				
Personal precautions, Personal protective equipment & Emergency procedures :	Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.			
Methods and materials for containment and cleaning up:	Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.			
Environmental precautions:	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.			
7. HANDLING AND STORAGE				
Precautions for safe handling:	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge.			
Conditions for safe storage, including any incompatibilities:	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Store at ambient temperature.			

Store under inert gas. Moisture sensitive. Over time, pressure may increase causing containers to burst Handle and open container with care. Storage class (TRGS 510): Non-combustible, acute toxic Cat. 1 and 2 / very toxic hazardous materials	
8. EXPOSURE CONTROLS/PERSONAL PROTECTION	
Exposure limits:	No occupational exposure limits known.
Personal protective equipment	
Respiratory protection:	Half or full face piece respirator, self-contained breathing apparatus (SCBA), supplied air respirator, etc. Use respirators approved under appropriate government standards and follow local and national regulations.
Hand protection:	Impervious gloves.
Eye protection:	Safety goggles. A face-shield, if the situation requires.
Skin and body protection:	Impervious protective clothing. Protective boots, if the situation requires.
9. PHYSICAL AND CHEMICAL PROPERTIES	
Physical state (20°C):	Liquid
Form:	Clear
Color:	Colourless - Slightly pale yellow
Odor:	Pungent
Odor threshold:	No data available
Melting point/freezing point:	No data available
Boiling point/range:	187°C
Decomposition temperature:	No data available
Density:	No data available
Relative density:	1.24
Partition coefficient: n-octanol/water (log Pow)	The substance / product decompose therefore not determined.
Flash point:	78°C
pH:	No data available
Vapor pressure:	2.7kPa/83°C
Vapor density:	1.0
Dynamic Viscosity:	No data available
Evaporation rate: (Butyl Acetate = 1)	No data available
Autoignition temperature:	No data available
Flammability or explosive limits:	
Lower:	No data available
Upper:	No data available
Solubility(ies):	Water : No data available Benzene, Chloroform, ether: Soluble
Viscosity, kinematic:	No data available
10. STABILITY AND REACTIVITY	
Reactivity:	No data available
Chemical Stability:	Stable under proper conditions.
Possibility of Hazardous Reactions:	Decomposes in contact with water and liberates toxic gases.
Conditions to avoid:	Open flame, Moisture
Incompatible materials:	Oxidizing agents, Bases, Water, Alcohols, Amines
Hazardous Decomposition Products:	Carbon monoxide, Carbon dioxide, Hydrogen chloride, Phenol

11. TOXICOLOGICAL INFORMATION				
Primary routes of exposure:				
Acute Toxicity:		ihl-mus LC:>800 mg/m3/10M ihl-rat LCLo:44 ppm/4H orl-rat LD50:1410 uL/kg skn-rbt LD50:3970 uL/kg		
Skin corrosion/irritation:		skn-rbt 500 mg/24H MLD		
Serious eye damage/irritation:		eye-rbt 50 ug/24H SEV		
Chronic Toxicity/Effects:		No data available		
Respiratory or skin sensitization:		No data available		
Germ cell mutagenicity:		No data available		
Carcinogenicity:		No data available		
Reproductive toxicity:		RTECS Number: FG3850000		
IARC:		No data available		
NTP:		No data available		
OSHA:		No data available		
Routes of Exposure:		No data available		
Symptoms related to exposure:		No data available		
Potential Health Effects:		No data available		
Target organ(s):		No data available		
12. ECOLOGICAL INFORMATION				
Ecotoxicity				
Fish:		No data available		
Aquatic invertebrates:		No data available		
Aquatic plants:		No data available		
Chronic toxicity to fish:		No data available		
Chronic toxicity to aquatic invertebrates:		No data available		
Crustacea:		No data available		
Algae:		No data available		
Persistence and degradability:		No data available		
Bioaccumulative potential (BCF):		No data available		
Mobillity in soil:		No data available		
13. DISPOSAL CONSIDERATIONS				
Disposal of product:		This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company.		
Disposal of container:		Dispose of as unused product.		
14. TRANSPORT INFORMATION				
DOT (US)				
UN number:	Proper Shipping Name:	Class or Division:	Subrisk(s):	Packing Group:
UN 2746	PHENYL CHLOROFORMATE	6.1	8	II
IATA				
UN number:	Proper Shipping Name:	Class or Division:	Subrisk(s):	Packing Group:
UN 2746	PHENYL CHLOROFORMATE	6.1	8	II
IMDG				
UN number:	Proper Shipping Name:	Class or Division:	Subrisk(s):	Packing Group:
UN 2746	PHENYL CHLOROFORMATE	6.1	8	II

EmS number:	F-A, S-B
15. REGULATORY INFORMATION	
Safety, health and environmental regulations/legislation specific for the substance or mixture This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006. Chemical safety assessment : For this product a chemical safety assessment was not carried out	
16. OTHER INFORMATION	
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide for technically qualified personnel. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Paushak Ltd. extends no warranties, makes no representations and assumes no responsibility as to the accuracy, completeness or suitability of this data for any third party use & shall not be held liable for any damage resulting from handling or from contact with the above product.	