CIN: U21009KA2023PTC179006

Registered address: FFK Towers, #445, 2nd & 3rd Floor, 17th Cross Road, Sector 4,



HSR Layout, Bangalore, Bangalore South, Karnataka - 560102, India.

Email: info@scimplify.com **Website:**www.scimplify.com

MATERIAL SAFETY DATA SHEET

PHOSPHORUS PENTACHLORIDE (PCL5)

1. CHEMICAL PRODUCT AND O	COMPANY IDENTIFICATION
PRODUCT NAME	Phosphorus Pentachloride (PCL5)
	Contact Information:
	Shreeyansh Labs Private Limited.
MANUFACTURER NAME AND	Survey No 228/9, Plot No 43/A. Industrial Park, Kucharam -
ADDRESS	502336. Manoharabad Mandal, Medak Dist. Telangana State. India
	Emergency Contact No: +919866267813
	Other Contact No: +919440912277
2. CHEMICAL COMPOSITION/	OTHER INFORMATION
CHEMICAL NAME	Phosphorus Pentachloride
CAS No.	10026-13-8
Chemical Formula	PCL5
% by weight	100

3. HAZARDS IDENTIFICATION

Potential Acute Health Effects:

Very hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Hazardous in case of skin contact (corrosive), of eye contact (corrosive). The amount of tissue damage depends on length of contact. Eye contact can result in corneal damage or blindness. Skin contact can produce inflammation and blistering. Inhalation of dust will produce irritation to gastro-intestinal or respiratory tract, characterized by burning, sneezing and coughing. Severe over-exposure can produce lung damage, choking, unconsciousness or death. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, occasionally, blistering.

Potential Chronic Health Effects:

CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available.

TERATOGENIC EFFECTS: Not available.

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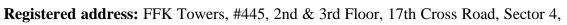
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DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to mucous membranes. The substance may be toxic to kidneys and liver. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated exposure of the eyes to a low level of dust can produce eye irritation. Repeated skin exposure can produce local skin destruction, or dermatitis. Repeated inhalation of dust can produce varying degrees of respiratory irritation or lung damage. Repeated exposure to a highly toxic material may produce general deterioration of health by and accumulation in one or many human organs.

4. FIRST AID

In case of contact with skin	Wash with disinfectant soap and cover the contaminated skin with
	an anti-bacterial cream. Seek immediate medical attention.
In case of contact with eyes	Check for and remove any contact lenses. In case of contact,
	immediately flush eyes with plenty of water for at least 15 minutes.
	Get medical attention immediately.
	If inhaled, remove to fresh air. If not breathing, give artificial
In case of inhalation	respiration. If breathing is difficult, give oxygen. Get medical
	attention immediately.
In case of serious inhalation	Evacuate the victim to a safe area as soon as possible. Loosen tight
	clothing such as a collar, tie, belt or waistband. If breathing is
	difficult, administer oxygen. If the victim is not breathing, perform
	mouth-to-mouth resuscitation. WARNING: It may be hazardous to
	the person providing aid to give mouth-to-mouth resuscitation
	when the inhaled material is toxic, infectious or corrosive. Seek
	immediate medical attention
In case of Ingestion	Do NOT induce vomiting unless directed to do so by medical
	personnel. Never give anything by mouth to an unconscious person.
	If large quantities of this material are swallowed, call a physician
	immediately. Loosen tight clothing such as a collar, tie, belt or
	waistband.
In case of serious ingestion	Not available

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5. FIRE FIGHTING	
Flammability of the Product	Non-flammable
Auto-Ignition Temperature	Not applicable
Flammable Limits	Not applicable.
Products of Combustion	Not applicable.
Fire Hazards in Presence of Various	Not applicable.
Substances	
Explosion Hazards in Presence of	Risks of explosion of the product in presence of mechanical
Various Substances	impact: Not available. Risks of explosion of the product in
	presence of static discharge: Not available
Fire Fighting Media and Instructions	Not applicable.
Special Remarks on Fire Hazards	Not applicable.
Special Remarks on Explosion	Not applicable.
Hazards	
6. ACCIDENTAL RELEASE	
Small Spill	Use appropriate tools to put the spilled solid in a convenient
Sman Spin	waste disposal container.
Large Spill	Corrosive solid. Poisonous solid. Stop leaking without risk. Do
Large spin	not get water inside container. Do not touch spilled material. Use
	water spray to reduce vapor. Prevent entry into sewers, basements
	or confined areas; dike if needed. Call for assistance on disposal.
	Be careful that the product is not present at a concentration level
	above TLV. Check TLV on the MSDS and with local authorities.
7. HANDLING AND STORAGE	

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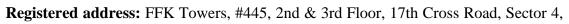


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vvebsite. w w w.semipinry.com	
	Keep locked up. Keep container dry. Keep away from heat. Keep
Precautions	away from sources of ignition. Keep away from direct sunlight or
Trouding	strong incandescent light. Do not ingest. Do not breathe dust.
	Never add water to this product. Avoid shock and friction. In case
	of insufficient ventilation, wear suitable respiratory equipment. If
	ingested, seek medical advice immediately and show the container
	or the label.
Storage	Keep container tightly closed. Keep container in a cool, well-
Storage	ventilated area
8. EXPOSURE CONTROL AND	D PROTECTION OF THE BODY
Engineering Controls	Use process enclosures, local exhaust ventilation, or other
Lingineering Controls	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	Splash goggles. Synthetic apron. Vapor and dust respirator. Be
	sure to use an approved/certified respirator or equivalent. Gloves.
Personal Protection in Case of a	Splash goggles. Full suit. Vapor and dust respirator. Boots.
Large Spill	Gloves. A self-contained breathing apparatus should be used to
Emge spm	avoid inhalation of the product. Suggested protective clothing
	might not be sufficient; consult a specialist BEFORE handling
	this product.
Exposure Limits	TWA: 1 (mg/m3) from OSHA (PEL) [United States] TWA: 0.1
	(ppm) from ACGIH (TLV) [United States] TWA: 1 (mg/m3)
	from NIOSH [United States] TWA: 0.1 (ppm) [United Kingdom
	(UK)] TWA: 0.87 (mg/m3) [United Kingdom (UK)]3 Consult
	local authorities for acceptable exposure limits.
9. PHYSICAL AND CHEMICA	L PROPERTIES
Physical state and appearance	Solid. (Deliquescent solid. Crystalline solid.)
Odor	Unpleasant. Pungent
L	1

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Taste	Not available.
Molecular Weight	208.24 g/mole
Color	White to light yellow.
рН	Not available.
Boiling Point	159°C (318.2°F) - 160 C (sublimes)
Melting Point	Sublimation temperature: 160°C (320°F) - 165 C (Sax & Lewis
	1987) Sublimation temperature: 167 C (Sittig, 1985) Sublimation
	temperature: 100 C (Budavari, 1989) Sublimes at about 100 C
	without melting (Merck Index, 13th ed., 2001) Melting point: 148
	C (under pressure) (Merck Index, 13th ed., 2001) (Budavari, 1989)
Critical Temperature	372°C (701.6°F)
Specific gravity	Density:2.114-3.60 (water-1)
Vapor pressure	Not available.
Vapor Density	Not available.
Volatility	Not available.
Odor Threshold	Not available.
Ionicity	Not available.
Dispersion	Not available.
Solubility	Decompose in cold, and in acid. Soluble in carbon Disulfide and
	Tetrachloride
10. STABILITY AND RE	ACTIVITY
Stability: The product is sta	ıble.

Instability Temperature: Not available.

Conditions of Instability: Incompatible materials, moisture, water

Incompatibility with various substances: Reactive with oxidizing agents, metals, acids, alkalis,

moisture.

Corrosivity: Non-corrosive in presence of glass.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

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Routes of Entry	Inhalation. Ingestion.
Toxicity to Animals	WARNING: THE LC50 VALUES HEREUNDER
	ARE ESTIMATED ON THE BASIS OF A 4-
	HOUR EXPOSURE. Acute oral toxicity (LD50):
	660 mg/kg [Rat]. Acute toxicity of the vapor
	(LC50): 205 8 hours [Rat].
Chronic Effects on Humans	Causes damage to the following organs: mucous
	membranes. May cause damage to the following
	organs: kidneys, liver.
Other Toxic Effects on Humans	Very hazardous in case of skin contact (irritant), of
	ingestion, Hazardous in case of skin contact
	(corrosive), of eye contact (corrosive), of inhalation
	(lung corrosive).
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.

12. ECOLOGICAL INFORMATION

Ecotoxicity: Not available.

BOD5 and **COD**: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise

Toxicity of the Products of Biodegradation: The products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

13. DISPOSAL

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations

14. TRANSPORT INFORMATION

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DOT Classification: Class 8: Corrosive material
Identification: Phosphorus pentachloride
Special provision for Transport: Not available
15. REGULATORY REQUIREMENTS
Not Applicable
Not Applicable 16.OTHER INFORMATION