Material Safety Data Sheet

PHOSPHORUS OXYCHLORIDE LR (RXSOL-60-6605-231)

1. Product and Company Identifaction

Product Name	RXSOL-60-6605-231
Product Type	PHOSPHORUS OXYCHLORIDE (Phosphorus oxide chloride)
Revised date	

Company Details:

RX MARINE INTERNATIONAL
105, A wing , BSEL , TECH PARK.
VASHI ,NEW BOMBAY 400703 INDIA

Stock Point : Mumbai, Kandla, Chennai, Visakhapatnam, Kolkata, Fujairah, Muscat Barka

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2. Composition / informationon ingredients

Substance / Preparation : Phosphorous oxychloride
CAS No :10025-87-3
Substance.
Contains no other components or impurities which will influence the classification of the product.

3. Hazards Identification

3.1. Classification of the substance or mixture
Classification EC 67/548 or EC 1999/45
Classification : R14
T+; R26
T; R48/23
Xn; R22
C; R35
Hazard Class and Category Code(s), Regulation (EC) No 1272/2008 (CLP)
Health hazards : Specific Target Organ Toxicity - Repeated exposure - Category 1 - Danger (CLP : STOT RE 1) H372
Acute toxicity, Oral - Category 4 - Warning (CLP : Acute Tox. 4) H302
Serious eye damage - Category 1 - Danger (CLP : Eye Dam. 1) H318
Skin corrosion - Category 1A - Danger (CLP : Skin Corr. 1A) H314
Acute toxicity, Inhalation - Category 2 - Danger (CLP : Acute Tox. 2) H330
3.2. Label elements
Labelling EC 67/548 or EC 1999/45
Symbol(s) : T+ : Very toxic
C : Corrosive
R Phrase(s) : R14 : Reacts violently with water.
R22 : Harmful if swallowed.
R26 : Very toxic by inhalation.
R35 : Causes severe burns
R48/23 : Toxic : danger of serious damage to health by prolonged exposure through inhalation.
S Phrase(s) : S1/2 : Keep locked up and out of reach of children.
S7/8 : Keep container tightly closed and dry.
S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection.
S45 : In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible).
Labelling Regulation EC 1272/2008 (CLP)

Signal words : Danger
Hazard statements : H330 : Fatal if inhaled.
H314 : Causes severe skin burns and eye damage.
H302 : Harmful if swallowed.
H372 : Causes damage to organs through prolonged or repeated exposure.
Precautionary statements
• General : P102: Keep out of reach of children.
P103: Read label before use.
P101: If medical advice is needed, have product container or label at hand.
• Prevention : P284: Wear respiratory protection.
P280: Wear protective gloves, protective clothing, eye protection, face protection.
P271: Use only outdoors or in a well-ventilated area.
P260: Do not breathe dust, fume, gas, mist, vapours, spray.
P264: Wash thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
• Response : 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.
P304+P340: IF INHALED : Remove to fresh air and keep at rest in a position
comfortable for breathing.
P303+P361+P353: IF ON SKIN (or hair) : Remove immediately all contaminated
clothing. Rinse skin with water/shower.
P363: Wash contaminated clothing before reuse.
P314: Get medical advice if you feel unwell.
• Storage : P403+P233: Store in well-ventilated place. Keep container tightly closed.
P405: Store locked up.
• Disposal considerations : P501: Dispose of this material and its container to hazardous
or special waste collection point, in accordance with local, regional, national and/or
international regulation.
3.3. Other hazards
Other hazards : The substance does not fulfil the criteria to be identified as PBT
substance or vPvB substance according to Annex XIII of Regulation REACH

4. First Aid Measures

4.1. Description of first aid measures
Inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing.
Immediately call a POISON CENTER or doctor. Specific treatment is urgent (see
on this label).
Skin contact : Immediately call a POISON CENTER or doctor. Wash with plenty of
soap and water. Remove/Take off immediately all contaminated clothing.
Eye contact : Immediately call a POISON CENTER or doctor. Remove contact lenses, if
present and easy to do. Continue rinsing. Rinse cautiously with water for several minutes.
Ingestion : Immediately call a POISON CENTER or doctor. Call a POISON CENTER or
doctor if you feel unwell. Do NOT induce vomiting. Rinse mouth.
4.2. Most important symptoms and effects, both acute and delayed
Symptoms relating to use : Causes damage to organs through prolonged or repeated
exposure. Fatal if inhaled. Causes severe skin burns and eye damage. Causes serious eye
damage. Swallowing a small quantity of this material will result in serious health hazard.
4.3. Indication of any immediate medical attention and special treatment needed
General information : Never give anything by mouth to an unconscious person. If you
feel unwell, seek medical advice (show the label where possible)

5. Fire-fighting Measures

5.1. Extinguishing media
Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Sand.
Unsuitable extinguishing media : Do not use a heavy water stream.
Do not use extinguishing media containing water.
Surrounding fires : Do not use extinguishing media containing water
5.2. Special hazards arising from the substance or mixture
Hazardous combustion products : Under fire conditions, hazardous fumes will be
present.
Thermal decomposition generates : Corrosive vapours.
5.3. Advice for fire-fighters
Protection against fire : Do not enter fire area without proper protective equipment,
including respiratory protection.
Special procedures : Exercise caution when fighting any chemical fire. Avoid (reject)
fire-fighting water to enter environment.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures
For emergency responders : Equip cleanup crew with proper protection.
Ventilate area
. Special precautions : Do not allow water (or moist air) contact with this material.
For non-emergency personnel : Evacuate unnecessary personnel.
6.2. Environmental precautions
Environmental precautions : Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.
6.3. Methods and material for containment and cleaning up
Clean up methods : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Store away from other materials. Collect spillage.
6.4. Reference to other sections
See section 8. Exposure controls/personal protection

7. Handling and Storage

7.1. Precautions for safe handling
Handling : Do not breathe dust, fume, gas, mist, vapours, spray. Use only outdoors or in a well-ventilated area. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Wash thoroughly after handling. Avoid contact during pregnancy or while nursing.
Technical protective measures : Provide good ventilation in process area to prevent formation of vapour.
7.2. Conditions for safe storage, including any incompatibilities
Storage : Keep only in the original container in a cool, well ventilated place. Keep container tightly closed.
Storage regulation : Comply with applicable regulations.
Storage - away from : Strong bases. Strong acids. Sources of ignition. Direct sunlight.
Store in dry protected location to prevent any moisture contact.
7.3. Specific end use(s)
Specific end use(s) : None.

8. Exposure controls and personal protection

8.1. Exposure controls
Personal protection : Avoid all unnecessary exposure.
• Respiratory protection : Wear respiratory protection.
• Hand protection : Wear protective gloves.
• Skin protection : Wear suitable protective clothing.
• Eye protection : Chemical goggles or face shield.
• Others : When using, do not eat, drink or smoke.
8.2. Control parameters
Occupational Exposure Limits : No data available.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties
Physical state at 20 °C : Liquid.
Odour : Pungent Odour Odour
threshold : No data available.
pH value : No data available.
Melting point [°C] : 1.25 °C
Decomposition point [°C] : N/A
Critical temperature [°C] : N/A
Auto-ignition temperature [°C] : N/A
Flammability (solid, gas) : N/A
Flash point [°C] : N/A
Boiling point [°C] : 105.8 °C
Initial boiling point [°C] : N/A
Final boiling point [°C] : N/A
Evaporation rate : N/A
Vapour pressure [20°C] : 37 hPa at 20 °C
Vapour pressure mm/Hg : N/A
Vapour density : 5,29
Density [g/cm3] : 1,645
Relative density, gas (air=1) : N/A

Relative density, liquid (water=1) : N/A
Solubility in water [% weight] : N/A
Solubility in water : N/A
Log Pow octanol / water at 20°C : No data available.
Solubility : N/A
Viscosity at 40°C [mm2/s] : N/A
9.2. Other information
Explosive properties : N/A
Explosion limits - upper [%] : N/A
Explosion limits - lower [%] : N/A
Oxidising properties : No data available.

10. Stability and reactivity

10.1. Reactivity
Reactivity : Highly reactive material.
10.2. Chemical stability
Chemical stability : Stable under recommended storage conditions.
10.3. Possibility of hazardous reactions
Hazardous reactions : Reacts violently with water.
10.4. Conditions to avoid
Conditions to avoid : Direct sunlight. Extremely high or low temperatures.Moisture.
10.5. Incompatible materials
Materials to avoid : Strong acids. Strong bases.
10.6. Hazardous decomposition products
Hazardous decomposition products : Fumes. Carbon monoxide. Carbon dioxide.
Thermal decomposition generates : Corrosive vapours.

11. Toxicological information

11.1. Information on toxicological effects
Acute toxicity
• Inhalation : Fatal if inhaled.
• Dermal : Based on available data, the classification criteria are not met.
• Ingestion : Harmful if swallowed.
Corrosion : Causes severe skin burns and eye damage.
Causes serious eye damage.
Irritation : Based on available data, the classification criteria are not met.
Sensitization : Based on available data, the classification criteria are not met.
Mutagenicity : Based on available data, the classification criteria are not met.
Carcinogenicity : Based on available data, the classification criteria are not met.
Toxic for reproduction : Based on available data, the classification criteria are not met.
STOT-single exposure : Based on available data, the classification criteria are not met.
STOT-repeated exposure : Causes damage to organs through prolonged or repeated exposure.
Aspiration hazard : Based on available data, the classification criteria are not met.

12. Ecological information

12.1. Toxicity
Toxicity information : Not established.
12.2. Persistence - degradability
Persistence - degradability : Biodegradable.
12.3. Bioaccumulative potential
Bioaccumulative potential : Not established.
12.4. Mobility in soil
Mobility in soil : Not established.
12.5. Results of PBT and vPvB assessment
Results of PBT and vPvB assessment : The substance does not fulfil the criteria to be identified as PBT substance or vPvB substance according to Annex XIII of Regulation REACH.
12.6. Other adverse effects
Environmental precautions : Avoid release to the environment.

13. Disposal considerations

13.1. Waste treatment methods
General : Avoid release to the environment. Dispose in a safe manner in accordance with

local/national regulations. Dispose of this material and its container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Special precautions : Hazardous waste due to toxicity.
Do not allow water (or moist air) contact with this material.

14. Transport information

14.1. Land transport (ADR-RID)
UN N° : 1810
H.I. nr : X80 ADR - Class : 8
Labelling - Transport : 8 : Corrosive substance.
ADR - Classification code : C1
ADR - Group : II
14.2. Sea transport (IMDG) [English only]
UN N° : 1810
IMO-IMDG - Class or division : 8 : Corrosive substance.
IMO-IMDG - Packing group : II
14.3. Air transport (ICAO-IATA) [English only]
UN N° : 1810
IATA - Class or division : 8 : Corrosive substance.
IATA - Packing group : II

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture
Safety, health and environmental : Ensure all national/local regulations are observed.
regulations/legislation specific for the substance or mixture
REACH Restrictions - Annex XVII : The components of this product are not subject to restrictions.
REACH Authorisation - Annex XIV : The components of this product are not subject to authorization.
15.2. Chemical Safety Assessment
Chemical Safety Assessment : It has not been carried out.

16. Other information

Abbreviations and acronyms : PBT: persistent, bioaccumulative and toxic.
vPvB: very persistent and very bioaccumulative
Sources of key data used : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
Further information : None.
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