

MATERIAL SAFETY DATA SHEET**Product Name:** Phosphorus pentoxide**CAS No.:** 1314-56-3**Version:** 0**1. Identification**

Product Code : 93015, 91533
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2. Hazards Identification**Hazard classification**

Skin corrosion : Category 1 A

Labels elements

Hazard symbol

**Signal word** : Danger**Hazard statement** : Causes severe skin burns and eye damage.**Precautionary statement** : Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
Wear protective gloves/ protective clothing/ eye protection/ face protection.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.**3. Composition/information on ingredients**

Ingredient : Phosphoric anhydride
Phosphorus(V) oxide
CAS No. : 1314-56-3
Percent : NLT 99.0%
Formula : O5P2
Molecular Weight : 141.94g/mol

MATERIAL SAFETY DATA SHEET**Product Name:** Phosphorus pentoxide**CAS No.:** 1314-56-3**Version:** 0**4. First Aid Measures****Description of first aid measures**

- General advice** : Consult a physician. Show this safety data sheet to the doctor in attendance.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
- Skin contact** : Remove/Take off immediately all contaminated clothing. Gently wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.
- Eye contact** : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
- Swallowed** : Get medical advice/attention if you feel unwell. Rinse mouth.
- Most important symptoms and effects, both acute and delayed** : The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11
- Indication of any immediate medical attention and special treatment needed Treatment** : No data available

5. Fire fighting measures**Extinguishing media**

- Suitable extinguishing media : Dry powder
- Special hazards arising from the substance or mixture** : Oxides of phosphorus
- Advice for firefighters** : Wear self contained breathing apparatus for firefighting if necessary.

6. Accidental Release Measures

- Personal precautions, protective equipment and emergency procedures** : Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.
- Environmental precautions** : Do not let product enter drains.
- Methods and materials for containment and cleaning up** : Pick up and arrange disposal without creating dust. Sweep up and shovel. Do not flush with water. Keep in suitable, closed containers for disposal.

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- Precautions for safe handling** : Avoid formation of dust and aerosols.
Provide appropriate exhaust ventilation at places where dust is formed.
- Conditions for safe storage, including any incompatibilities** : Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Keep container tightly closed in a dry and well-ventilated place. Keep away from water. Never allow product to get in contact with water during storage. Air and moisture sensitive.

8. Exposure Controls / Personal Protection

- Exposure limit** : No data available
- Appropriate engineering controls** : Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
- Personal protective equipment**
- Respiratory protection : Dust respirator. Follow local and national regulations
- Hand protection : Protective gloves.
- Eye protection : Safety glasses. A face-shield, if the situation requires.
- Skin and Body Protection : Protective clothing. Protective boots, if the situation requires.

9. Physical and Chemical Properties

- Appearance** : A White crystalline powder.
- Odor** : No data available
- pH** : 1.5 at 10 g/l at 20 °C
- Melting point/freezing point** : 340 °C
- Initial boiling point and boiling range** : No data available
- : No data available
- Flash Point**
- Vapor pressure** : No data available
- Vapor density** : No data available
- Relative density** : 2.3 g/mL at 25 °C
- Solubility in water** : No data available
- Solubility (other)** : No data available

10. Stability and Reactivity

- Reactivity** : No data available
- Chemical stability** : Stable under recommended storage conditions.
- Possibility of hazardous** : Reacts violently with water.

MATERIAL SAFETY DATA SHEET**Product Name:** Phosphorus pentoxide**CAS No.:** 1314-56-3**Version:** 0**reactions**

- Conditions to avoid** : Exposure to moisture
- Incompatible materials** : Water, Sodium/sodium oxides, Potassium, Ammonia, Peroxides, Magnesium, Alcohols, Metals, Oxidizing agents.
- Hazardous decomposition products** : Hazardous decomposition products formed under fire conditions. - Oxides of phosphorus.

11. Toxicological Information**Information on toxicological effects**

- Acute toxicity** : No data available
- Skin corrosion/irritation** : No data available
- Serious eye damage/eye irritation** : No data available
- Respiratory or skin sensitization** : No data available
- Germ cell mutagenicity** : No data available
- Carcinogenicity**
- IARC** : No data available
- NTP** : No data available
- OSHA** : No data available
- Reproductive toxicity** : No data available
- Route of Exposure** : No data available
- Signs and Symptoms of Exposure** : No data available

12. Ecological Information

- Toxicity** : No data available
- Persistence and degradability** : No data available
- Bioaccumulative potential** : No data available
- Mobility in soil** : No data available.
- Other adverse effects** : No data available.

13. Disposal consideration

- Disposal instructions** : Offer surplus and non-recyclable solutions to a licensed disposal company.
- Contaminated packaging** : Dispose of as unused product.

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	UN No.	UN proper shipping name	Hazard Class(es)	Packaging group	Marine Pollutant
DOT	1807	PHOSPHORUS PENTOXIDE	8	II	NO
IMDG	1807	PHOSPHORUS PENTOXIDE	8	II	NO
IATA	1807	PHOSPHORUS PENTOXIDE	8	II	NO

15. Regulatory Information

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

Safety, health and environmental regulations/legislation specific for the substance or mixture
No Data Available.

16. Other Information**Issue Date :23/06/2016****Version : 0**

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