

Chemical Safety Technical Data Sheet

Product Name:Phosphorous Acid

Revision Date:September 2025

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Developed in accordance with GB/T

16483 and GB/T 17519; SDS Nu-

mber: ZLJL-800

edition : D

Part 1: Identification of Chemicals and Enterprises

Chinese name of chemical:Phosphorous acid

Molecular formula:H₃PO₃ **Relative molecular mass:**82.00

Chemical name in English:phosphorous acid; orthophosphorous acid



Structure:

Recommended and restricted uses of the chemical:As a raw material for manufacturing plastic stabilizers, and also used in the production of synthetic fibers and phosphites.

Part II Overview of Hazards

Emergency overview:It is harmful to swallow and can cause severe skin burns and eye injuries.

GHS Hazard Category:

Acute toxicity – Oral:Category 4

Skin corrosion/irritation:Ca-

tegory 1A **Severe eye injury/**

eye irritation:Category 1

Tag Elements:

figurative graph :



Warning phrase:Hazard

Hazard Description:Ingestion is harmful, causing severe skin burns and eye injuries.

Protection Explanation:

【 preventive measure 】

- Avoid inhalation of dust.
- Avoid contact with eyes and skin; thoroughly wash after handling. No eating, drinking, or smoking is permitted in the workplace.
- Wear protective gloves, protective clothing, protective goggles, and a face shield.

[Accident Response]

- For cases involving inhalation, move the patient to an area with fresh air and have them rest. Maintain a position that facilitates breathing.
- Skin (or hair) contact: Immediately remove all contaminated clothing, rinse the skin with water, and take a shower. Contaminated clothing must be thoroughly washed before reuse.
- Eye contact: Rinse carefully with water for several minutes. If contact lenses are worn and can be easily removed, remove them and continue rinsing.
- Administration: Rinse the mouth; do not induce vomiting. If discomfort occurs, immediately contact the poison control center or seek medical attention.

【 safe storage 】

- Lock and store securely.

[Disposal of Waste]

- This product, its contents, and the container shall be disposed of in accordance with national and local regulations.