



C H E M I C A L

140 E. Ascot Ln., Cuyahoga Falls, Ohio

44223

MSDS

Emergency Phones: CHEMTREC 1-800-424-9300 HB Tel: 330-920-8023

NFPA	HCS Risk Phrases	Protective Clothing
thermal	Health ó 1 Flammability- 1	Safety Goggles, Lab Coat, Gloves (particularly for
hot	Reactivity ó 1 Special Hazard -0	protection when material is

Section 1 Chemical Product and Company Identification

Common Name/Trade Name: Sodium Benzene Phosphinate

Chemical Name: Phosphinic Acid phenyl-, sodium salt

Chemical Family: Phosphinic acid salt

Synonym: Sodium Phenyl phosphinate; sodium phenylphosphinate; phenylphosphinic acid

Section 2 Composition and Information on Ingredients

Ingredients	CAS#	% Weight	TLV/PEL
Phosphinic acid, phenyl, sodium salts	4297-95-4	99-100	

Section 3 Hazards Identification

Emergency Overview NOTICE!

This is a white powder

** May cause eye irritation

** May cause respiratory irritation

** May cause a flammable dust-air mixture

** Under conditions of extreme heat (>300 C) The material may decompose to release toxic fumes

Primary routes of exposure: Skin and respiratory tract)Inhalation are primary routes of exposure.

Inhalation of powder or dust may create irritation in upper respiratory tract.

Fire Hazard: This is not classified as flammable or combustible, however, air borne dust can cause flammable/explosive situation with the presence of static charges. Avoid dry powder and static electricity.

Skin Contact: Acute (Not expected)

Section 8 Exposure Controls/Personal Protection
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Engineering Controls: Usual precautions for handling chemicals should be observed

Personal Protection: Respiratory ó in case of insufficient ventilation, wear suitable resp. equipment with dust, smoke and vapor mist filter. Keep Respirators maintained with fresh filters and cartridges.
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Personal Protection : hand, Eye, Skin ó Use good handling procedures for all chemicals. Wear protective gloves and goggles when dealing with open containers and dust.
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Ventilation: Well-ventilated areas are recommended and if not available wear NIOSH positive-pressure respirators.

Safety showers, eye wash stations and available water are recommended in any facility storing this material

Exposure Limits: There are no established Exposure limits

Section 9 Physical and Chemical Properties

Physical State: Crystalline Solid	Odor: NA
Molecular Weight: NA	Taste: NA
Boiling Point: 370 C	Melting Point: NA
Critical Temperature: NA	Density : 767 kg/m3
Vapor Pressure: NA	Vapor Density: NA
Volatility: NA	Odor Threshold: NA
Evaporation rate: NA	Viscosity: NA
Water/Oil Coeff.: NA	Specific Gravity: 1.56 @20C
Dispersion: NA	Flash Point: NA
Solubility in water: 55.2% @ 30C	Melting Point: 200 C (392F)

Section 10 Stability and Reactivity Data

Instability: This material is stable at ambient temperatures. Not reactive with itself and indefinite shelf life
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Temperatures: avoid generation of heat and strong oxidizing agents (such as Nitrates and Hydrogen Peroxide).
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Conditions: see above

Incompatibles: Reacts violently with strong oxidizers such as Nitrates ad Hydrogen Peroxide

Reactivity: NA

Corrosivity: NA

Special Remarks: Decomposes at temperatures greater than 280C (540F) to form Benzene and phenyl phoshine. Phenylphosphine ignites spontaneously in air.

Section 11 Toxicological Information

Routes of Entry: Eye, Respiratory tract and Ingestion. (It may be irritable)
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Chronic Effects: NA
1. Acute Toxicity: NA
2. Dermal: This material is considered slightly/non-toxic based on Dermal LD 50 (rabbit) or greater than 4640 mg/kg.
3. Ingestion: This product is considered slightly/non toxic based on oral LD 50 (rat) of greater than 4640 mg/kg.
Ingestion Chronic: This may cause slight irritation of the mouth, throat, stomach and esophagus if swallowed
Toxicity to Animals: This product was not irritating to rabbit skin after 4 hours.
Special remarks: NA

Section 12 Ecological Information

Ecotoxicity: The 96 hour LC50 (oncarhynchus mykiss) = 10,000 mg/l
No observed effect concentration (NDEC) =5,600 mg/l
BOD5 and COD: NA
Biodegradation: This product is not readily biodegradable
Toxicity: NA
Remarks: NA

Section 13 Disposal Consideration

Disposal follow guidelines in accordance with environmental regulations.
Waste storage: NA
Waste type: NA
Material is not a hazardous waste and can be disposed of according to 40CFR 21.24. All waste disposal facilities should check local laws on before disposing. Containers should be cleaned before disposing.
This material unused is not a RCRA listed waste and does not need RCRA criteria for hazardous waste. Incineration can be used where applicable by local laws.
NOTE: Changing regulations suggest you always consult your local, county, state & federal agency for latest, proper, disposal.

Section 14 Transportation Information

ADR Classification: No transport labels required
Shipping Name: Not regulated for shipping
Provisions for Transport: NA
UN Number: NA
Packing Group: NA
Reportable Quantity: NA

Section 15 Other Regulatory Information

Governing Regulations (USA): This material does not contain SARA S-313 Chemicals, This material does not contain environmentally hazardous substance. Per 49 CFR 172-101, Appendix A
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TCSA (USA): This material is included in the TCSA inventory	
Other Classification:	
WHMIS (Canada): None	
DSL (Canada): This material is listed in the DSL inventory	
DSCL (EEC):	
HMIS (USA):	
Health Hazard:	1
Fire Hazard:	1
Reactivity:	1
Personal Protection:	

Information is taken from AKZO (Ripplewood) MSDS 16-084474. HB Chemical is not a manufacturer. They are a distributor only and information is provided as compiled from industry leaders.