



Safety Data Sheet (SDS)

Revision 1 / Review Date: 6/29/17

1. Chemical Product and Company Identification

Product Name:	SBP
Distributed By:	HB Chemical 1665 Enterprise Parkway Twinsburg Oh 44087 Phone - 330-920-8023
SDS Prepared By (w Suppliers Input):	HB Chemical
Chemical Name / Family:	Phosphinic Acid phenyl-, sodium salt/Phosphinic acid salt
Common name:	Sodium Benzene Phosphinate
Synonym:	Sodium Phenyl phosphinate; sodium phenylphosphinate; phenylphosphinic acid
Molecular Formula:	C ₆ H ₆ NaO ₂ P
Molecular Weight via GPC, Mn:	164.07
Product Use:	Plasticizer
OSHA Status:	Non hazardous
CAS No:	4297-95-4
EC No:	224-305-5

For emergency health, safety, and environmental information, calls 330-920-8023

For emergency transportation information, in the United States: call CHEMTREC at 800-424-9300

2. Hazard(s) Identification

Classification according to Regulation

(EC) No. 1272/2008 [CLP]:

Acute toxicity (oral), Category 4 H302
Serious eye damage/eye irritation, Category 1 H318

Adverse physicochemical, human health and environmental effects:

Harmful if swallowed. Causes serious eye damage.

Hazard pictograms:



Signal Word:

Danger

Hazard statements (CLP):

H302 - Harmful if swallowed
H318 - Causes serious eye damage

Precautionary statements (CLP):

P264 - Wash hands, forearms and face thoroughly after handling
P270 - Do not eat, drink or smoke when using this product

P280 - Wear eye protection, face protection, protective clothing, protective gloves
P301+P312 - IF SWALLOWED: Call a doctor if you feel unwell
P330 - Rinse mouth
P305+P351+P338 - 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

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Sodium Benzene Phosphinate	(CAS-No.) 4297-95-4 (EC-No.) 224-305-5	97 - 100	Acute Tox. 4 (Oral), H302* Eye Dam. 1, H318*

4. First Aid Measures

<u>Inhalation:</u>	Assure fresh air breathing. Allow the victim to rest. If you feel unwell, seek medical advice.
<u>Eyes:</u>	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
<u>Skin:</u>	Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Get medical advice if skin irritation persists.
<u>Ingestion:</u>	Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
<u>First-aid measures general:</u>	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
<u>Symptoms/effects after eye contact:</u>	Causes serious eye damage.
<u>Symptoms/effects after ingestion:</u>	Swallowing a small quantity of this material will result in serious health hazard.

5. Fire-Fighting Measures

<u>Suitable Extinguishing Media:</u>	Foam. Dry powder. Carbon dioxide. Water spray. Sand.
<u>Unsuitable extinguishing media:</u>	Do not use a heavy water stream.
<u>Special Fire Fighting Procedures:</u>	Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment. Do not enter fire area without proper protective equipment, including respiratory protection.
<u>Fire hazard:</u>	Not flammable.

<u>Explosion hazard:</u>	Not explosive.
<u>Hazardous Decomposition Products:</u>	Fire could produce a combination of irritating and toxic gases.
<u>Unusual fire and explosion hazards:</u>	Emits toxic fumes under fire conditions.

6. Accidental Release Measures

<u>Steps to be taken in case material is spilled:</u>	Do not breathe dust. Evacuate unnecessary personnel. Ventilate area. On land, sweep or shovel into suitable containers. Minimize generation of dust. Store away from other materials.
<u>Personal protection:</u>	Equip cleanup crew with proper protection.
<u>Environmental Disposal Information:</u>	Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

7. Handling and Storage

<u>Precautions to be taken in handling:</u>	Avoid dust formation. Ensure adequate ventilation. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Do not eat, drink or smoke when using this product. Wash hands, forearms and face thoroughly after handling.
<u>Storage:</u>	Keep only in the original container in a cool, well ventilated place away from : Direct sunlight. Keep container closed when not in use. Heat sources.
<u>Incompatible products:</u>	Strong bases. Strong acids.
<u>Incompatible materials:</u>	Heat sources. Sources of ignition. Direct sunlight.

8. Exposure Controls / Personal Protection

<u>Appropriate engineering controls:</u>	Do not breathe dust. Ensure that there is a suitable ventilation system.
<u>Personal protective equipment:</u>	Avoid all unnecessary exposure.
<u>Respiratory Protection:</u>	In case of inadequate ventilation wear respiratory protection
<u>Ventilation:</u>	Well-ventilated areas are recommended and if not available wear NIOSH positive-pressure respirators.
<u>Hand protection:</u>	Wear chemically resistant gloves (tested to EN374) in combination with intensive management supervision controls. Hand cream. Wash hands with water and soap
<u>Eye Protection:</u>	Wear safety glasses with side shields.

<u>Skin and Body Protection:</u>	Wear suitable protective clothing
<u>Environmental exposure controls:</u>	Avoid creating or spreading dust. Avoid release to the environment.
<u>Other Precautions:</u>	Do not eat, drink or smoke during use.

9. Physical and Chemical Properties

<u>Physical Form:</u>	Solid
<u>Appearance:</u>	White or almost white
<u>Odor:</u>	Phenol-like.
<u>Specific Gravity:</u>	Not available.
<u>Softening Point, R&B:</u>	Not available.
<u>Solubility in Water:</u>	Not available.
<u>Flash Point, TAG CC F:</u>	Not available.
<u>Percent Volatiles (by weight):</u>	Not available.
<u>Evaporation Rate (Water ~ 1):</u>	Not available.
<u>Vapor Pressure (mm Hg):</u>	Not available.
<u>Vapor Density (Air ~ 1):</u>	Not available.
<u>Boiling Point (°F) Initial:</u>	Not available.
<u>Auto ignition Temperature, °C:</u>	Not available.
<u>Flammable Limits, %(V):</u>	Non flammable
<u>Density:</u>	Not available.
<u>Melting point:</u>	Not available.

10. Stability and Reactivity

<u>Stability:</u>	This product is stable under normal conditions.
<u>Incompatibility (Materials to Avoid):</u>	Strong acids, strong bases and oxidation agents.
<u>Conditions to Avoid:</u>	Direct sunlight. Extremely high or low temperatures.
<u>Hazardous Decomposition Products:</u>	Not available.

11. Toxicological Information

<u>Acute toxicity:</u>	Oral: Harmful if swallowed.
------------------------	-----------------------------

<u>Skin corrosion/irritation:</u>	Not classified (Based on available data, the classification criteria are not met)
<u>Serious eye damage/irritation:</u>	Causes serious eye damage.
<u>Respiratory or skin sensitisation:</u>	Not classified (Based on available data, the classification criteria are not met)
<u>Germ cell mutagenicity:</u>	Not classified (Based on available data, the classification criteria are not met)
<u>Carcinogenicity:</u>	Not classified (Based on available data, the classification criteria are not met)
<u>Reproductive toxicity:</u>	Not classified (Based on available data, the classification criteria are not met)
<u>STOT-single exposure:</u>	Not classified (Based on available data, the classification criteria are not met)
<u>STOT-repeated exposure:</u>	Not classified (Based on available data, the classification criteria are not met)
<u>Aspiration hazard:</u>	Not classified (Based on available data, the classification criteria are not met)

12. Ecological Information

<u>Ecology – general:</u>	Based on available data, the classification criteria are not met.
<u>Persistence and degradability:</u>	Not established.
<u>Bioaccumulative potential:</u>	Not established.
<u>Additional information:</u>	Avoid release to the environment
<u>Mobility in soil:</u>	No additional information available
<u>PBT:</u>	not yet assessed
<u>vPvB:</u>	not yet assessed

13. Disposal Considerations

<u>Regional legislation (waste):</u>	Dispose in accordance with corresponding regulations. Disposal of defect or damaged product is performed in accordance with instruction from manufacturer or in accordance with local regulation. Disposal may be performed only by the authorized person. For the classification of waste and its removal corresponding to the waste producer.
--------------------------------------	---

<u>Waste treatment methods:</u>	Dispose of contents/container in accordance with licensed collector's sorting instructions. Empty containers should be taken for recycling, recovery or waste in accordance with local regulation.
<u>Product/Packaging disposal recommendations:</u>	Dispose in a safe manner in accordance with local/national regulations.
<u>Ecology - waste materials:</u>	Avoid release to the environment.
<u>HP Code:</u>	HP4 - "Irritant — skin irritation and eye damage:" waste which on application can cause skin irritation or damage to the eye. HP6 - "Acute Toxicity:" waste which can cause acute toxic effects following oral or dermal administration, or inhalation exposure.

14. Transport Information

<u>D.O.T. Shipping Name:</u>	Not regulated.
<u>Air - ICAO (international Civil Aviation Organization):</u>	Not regulated.
<u>Sea - IMDG (International Maritime Dangerous Goods):</u>	Not regulated.
<u>ADR:</u>	Not regulated.
<u>IATA:</u>	Not regulated.
<u>AND:</u>	Not regulated.
<u>RID:</u>	Not regulated.
<u>Dangerous for the environment:</u>	No
<u>Marine pollutant:</u>	No

15. Regulatory Information

All components of this material are on the TSCA Inventory.

All components of this material are on the Canadian DSL.

New Jersey RTK Label Information: Phosphinic acid, phenyl, sodium salts, CAS No. 4297-95-4

Pennsylvania RTK Label Information: Phosphinic acid, phenyl, sodium salts, CAS No. 4297-95-4

SARA Section 302 Extremely Hazardous Substances: None of the chemicals in this product have a TPQ.

SARA Section 313: No chemicals are reportable under Section 313.

California Prop 65: None of the chemicals in this product are listed.

Canada WHMIS: This product has a WHMIS classification of D2B.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

No REACH Annex XVII restrictions

Sodium Benzene Phosphinate is not on the REACH Candidate List

Sodium Benzene Phosphinate is not on the REACH Annex XIV List

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 (CLP)

Germany

VwVwS Annex reference:

Water hazard class (WGK) 1, low hazard to waters (Classification according to VwVwS, Annex 1 or 2; ID No. 1788)

12th Ordinance Implementing the Federal Immission

Control Act - 12.BImSchV:

Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

16. Other Information

The above information has been compiled from what we believe to be credible sources. To our knowledge the information is accurate and reliable, however, it is not guaranteed. Any recommendations issued by HB Chemical personnel or literature is derived from experience and by no means should be taken as fact or construed as a recommendation to violate of any law, regulation or patent. It is the user's responsibility to determine the suitability of any HB supplied material in their application. The individual conditions of each customer are well outside of our control and we cannot be held liable for its functionality and use. Please contact our office should you need specific information beyond what is supplied above. As with all Chemical usage safety precautions beyond the stated are highly recommended.