

Material Safety Data Sheet

From: BOON STREAM CHEM INTERNATIONAL TRADE CO., LIMITED

DISODIUM PHOSPHATE (DSP)

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: DISODIUM PHOSPHATE
General or Generic ID: PHOSPHATES

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient(s)	CAS Number	Percent
SODIUM PHOSPHATE	7558-79-4	98.0

3. HAZARDS IDENTIFICATION

Potential Health Effects

Eye: Dust can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

Skin: May cause skin irritation. Symptoms may include redness, burning, and swelling of skin. This material is unlikely to pass into the body through the skin.

Swallowing: Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

Inhalation: This material is a dust or may produce dust. Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful.

Symptoms of Exposure: Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea) irritation (nose, throat, airways).

Target Organ Effects: No data

Developmental Information: There are no data available for assessing risk to the fetus from maternal exposure to this material.

Cancer Information: There is no information available. The chance of this material causing cancer is unknown. This material is not listed as a carcinogen by the International Agency for Research on Cancer, the National Toxicology Program, or the Occupational Safety and Health Administration.

Other Health Effects: This material can form dust which may cause skin or mucous membrane irritation.

Symptoms may include redness, burning, and swelling. Although they may cause respiratory tract irritation, nuisance dusts do not form scar tissue or affect the structure of air spaces in the lungs. Their effects on the tissues are potentially reversible.

Primary Route(s) of Entry: Inhalation, Skin contact.

4. FIRST AID MEASURES

Eyes: If symptoms develop, immediately move individual away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

Skin: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Swallowing: Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Inhalation: If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Note to Physicians: Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: skin, lung (for example, asthma-like conditions).

5. FIRE FIGHTING MEASURES

Flash Point: Not applicable

Explosive Limit: Not applicable

Autoignition Temperature: No data

Hazardous Products of Combustion: May form: phosphorous oxides, sodium oxide.

Fire and Explosion Hazards: Dust clouds can form explosive mixtures with air over a wide concentration range.

Extinguishing Media: water fog, Use an extinguishing media appropriate for surrounding fire.

Fire Fighting Instructions: Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment. Refer to the personal protective equipment section of this MSDS.

NFPA Rating: Health - 1, Flammability - 0, Reactivity - 0

6. ACCIDENTAL RELEASE MEASURES

Small Spill: Sweep up material for disposal or recovery.

Large Spill: Shovel material into containers. Thoroughly sweep area of spill to clean up any residual material.

Flush area with water.

7. HANDLING AND STORAGE

Handling: Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye Protection: Wear safety glasses in compliance with OSHA regulations. (Consult your safety representative.)

Skin Protection: Wear resistant gloves such as: polyethylene, To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory Protections: If needed, use a NIOSH/MSHA jointly approved dust respirator. (Ask your safety representative.)

Engineering Controls: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below level of overexposure (from known, suspected or apparent adverse effects).

Exposure Guidelines: Component

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: Not applicable

Vapor Pressure: Not applicable

Specific Vapor Density: Not applicable

Liquid Density: Not applicable

Percent Volatiles: No data

Evaporation Rate: Not applicable

Appearance: CRYSTALLINE

State: SOLID

Physical Form: POWDER

Color: WHITE

Odor: ODORLESS

PH: 9.0 – 9.8

Molecular Weight: 143.9736

Solubility in Water: SOLUBLE

10. STABILITY AND REACTIVITY

Hazardous Polymerization: Product will not undergo hazardous polymerization.

Hazardous Decomposition: May form: phosphorous oxides, sodium oxide.

Chemical Stability: Stable.

Incompatibility: Avoid contact with moisture.

11. TOXICOLOGICAL INFORMATION

No data

12. ECOLOGICAL INFORMATION

No data

13. DISPOSAL CONSIDERATION

Waste Management Information:

Deposit in a landfill in accordance with local, state and federal regulations.

14. TRANSPORT INFORMATION

DOT Information - 49 CFR 172.101
DOT Description: NON-REGULATED BY D.O.T.
Container/Mode: 55 GAL DRUM/TRUCK PACKAGE
NOS Component: None

15. REGULATORY INFORMATION

US Federal Regulations
TSCA (Toxic Substances Control Act) Status
TSCA (UNITED STATES) The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4(a)
None listed

CERCLA RQ - 40 CFR 302.4(b)
Materials without a "listed" RQ may be reportable as an "unlisted hazardous substance".
See 40 CFR 302.5 (b).

SARA 302 Components - 40 CFR 355 Appendix A
None

Section 311/312 Hazard Class - 40 CFR 370.2
Immediate() Delayed() Fire() Reactive() Sudden Release of Pressure()

SARA 313 Components - 40 CFR 372.65
None

International Regulations
Inventory Status
Not determined

State and Local Regulations
California Proposition 65
None

16. OTHER INFORMATION

Disclaimer: All information, recommendations and suggestions appearing herein are based upon sources believed to be reliable. However, it is the users responsibility to determine the safety, toxicity and suitability for its own use of this product. BOON STREAM CHEM INTERNATIONAL TRADE CO., LIMITED DOES NOT ASSUME ANY LIABILITY ARISING OUT OF THE USE BY OTHERS OF THIS PRODUCT.
