



# MATERIAL SAFETY DATA SHEET

MSDS No: NPP\_BLUE  
 Revisions: 0  
 Prepared: July, 2010

## SECTION 1: Chemical Product and Company Identification

**Product/Chemical Name:** Naturally Blue Phosphate Remover  
**Chemical Formula:** Proprietary rare earth and compatible compounds  
**CAS Number:** N/A  
**Other Designations:** None  
**General Use:** Precipitation and removal of phosphates from water.  
**Manufacturer:** Natural Pool Products, Inc., 2917 Dog Leg Trail, McKinney, TX 75069  
**Telephone:** (877)366-9628 **Facsimile:** (888) 215-5758 **Email:** info@naturalpoolproducts.com

## SECTION 2: Composition/Information on Ingredients

Ingredient Name	CAS Number
The precise composition of Naturally Blue Phosphate Remover is proprietary information. A more complete disclosure will be made to an attending physician in the event of a medical emergency involving this product. When utilized in accordance with Natural Pool Products, Inc. instructions, Naturally Blue Phosphate Remover is considered to be nontoxic and nonhazardous.  Trace Impurities: <0.02%	N/A

INGREDIENT	OSHA PEL		ACGIH TLV		NIOSH REL		NIOSH
	TWA	STEL	TWA	STEL	TWA	STEL	IDLH
Proprietary	N/A	N/A	N/A	N/A	N/A	N/A	N/A

## SECTION 3: Hazards Identification

\*\*\*\*\* EMERGENCY OVERVIEW \*\*\*\*\*

### Potential Health Effects

**Primary Entry Routes:** By ingestion and through skin contact. **Target Organs:** None known.

#### Acute Effects

**Inhalation:** None. **Eye:** Possible mild and temporary irritation **Skin:** Possible mild irritant

**Ingestion:** With substantial and/or long term ingestion of the as-received product, possible delayed blood clotting, sensitivity to heat, skin itching, increased odor and taste awareness, and liver damage.

**Carcinogenicity:** IARC, NTP, and OSHA do not list Naturally Blue Phosphate Remover as a carcinogen.

**Medical Conditions Aggravated by Long-Term Exposure:** None known.

**Chronic Effects:** There are no known chronic effects, except as indicated above under Acute Effects.

HMIS	
H	1
F	0
R	0
PPE*	
*sec.8	

## SECTION 4: First Aid

**Inhalation:** In the improbable event of product mist inhalation, remove the affected individual to fresh air and provide artificial respiration as required. Obtain medical attention.

**Eye Contact:** Flush thoroughly with water for 5 minutes. Obtain medical attention if irritation of eye membranes occurs.

**Skin Contact:** Wash contacted areas with soap and water.

**Ingestion:** Drink several glasses of water. Obtain medical attention if gastrointestinal irritation occurs.

**After first aid, get appropriate in-plant, paramedic, or community medical support if exposure symptoms persist.**

**Note to Physicians:** Under normal use and human exposure conditions, the product is considered nontoxic and nonhazardous.

## SECTION 5: Fire Fighting Measures

**Flash Point:** None

**Flash Point Method:** N/A

**Burning Rate:** N/A

**Autoignition Temperature:** N/A

**LEL:** N/A

**UEL:** N/A

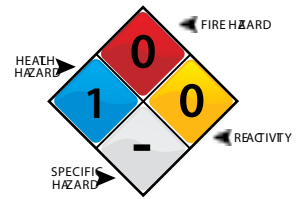
**Flammability Classification:** N/A **Extinguishing Media:** N/A

**Unusual Fire or Explosion Hazards:** None.

**Hazardous Combustion Products:** Thermal oxidative decomposition of the product may release toxic fumes of hydrogen chloride and metal oxide

**Fire-Fighting Instructions:** Do not release runoff from fire control methods to sewers or waterways.

**Fire-Fighting Equipment:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.



## SECTION 6: Accidental Release Measures

**Spill /Leak Procedures:**

**Small & Large Spills:**

**Containment:** For all spills, pick up mechanically and place in suitable container for disposal. Do not release into sewers or waterways.

**Cleanup:** After product recovery and removal, flush spill area with water to a sanitary sewer.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

## SECTION 7: Handling and Storage

**Handling Precautions:** Wear appropriate eye and glove protection to minimize exposure.

**Storage Requirements:** Do not store with oxidizing materials. Keep containers sealed.

**Regulatory Requirements:** None established

## SECTION 8: Exposure Control and Personal Protection

**Engineering Controls:**

**Ventilation:** In the improbable event of product misting, provide general or local exhaust ventilation systems to minimize airborne concentrations. Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

**Administrative Controls:**

**Respiratory Protection:** If product misting occurs, follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. . If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

**Protective Clothing/Equipment:** Wear chemically protective gloves to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**Safety Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**Contaminated Equipment:** Separate contaminated work clothes from street clothes. Launder before reuse. Remove material from your shoes and clean personal protective equipment after use.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics. As with all chemical substances, please use caution and keep away from children.

## SECTION 9: Physical and Chemical Properties

**Physical State:** Liquid.

**Appearance and Odor:** Clear, colorless with no discernable odor

**Odor Threshold:** N/A

**Vapor Pressure:** Not determined.

**Vapor Density (Air=1):** N/A.

**Formula Weight:** Proprietary

**Density:** 9.50 lbs./gallon, typical.

**Specific Gravity (H<sub>2</sub>O=1, at 4 °C):** 1.12

**pH:** 3.5-4.0

**Water Solubility:** Completely soluble

**Other Solubilities:** Not soluble in hydrocarbons

**Boiling Point:** 230°F (Typical).

**Freezing Point:** ~20°F (Typical).

**Viscosity:** ~20 cPs

**Refractive Index:** N/A

**Surface Tension:** N/A

**% Volatile:** N/A

**Evaporation Rate:** N/A

## SECTION 10: Physical and Chemical Properties

**Stability:** Naturally Blue Phosphate Remover is stable at room temperature in closed containers under normal storage and handling conditions.

**Polymerization:** Hazardous polymerization cannot occur.

**Chemical Incompatibilities:** Do not store with oxidizers or acidic agents.

**Conditions to Avoid:** Do not use as-received product with stainless steel storage containers or equipment – chloride corrosion will occur.

**Hazardous Decomposition Products:** Thermal oxidative decomposition can produce fumes of hydrogen chloride and lanthanum oxide

## SECTION 11: Toxicological Information

### Toxicity Data:

**Eye Effects:** As received, irritation of eye membranes

**Skin Effects:** As received, irritating effect

**Ingestion Effects:** As received, possible delayed blood clotting, sensitivity to heat, increased taste sensitivity, and liver damage with substantial ingestion

**Acute Inhalation Effects:**

**Human, inhalation, TCLo:** Not established.

**Acute Oral Toxicity:** Rat, oral, LD50: 4200 kg (as 100% LaCl<sub>3</sub>)

**Chronic Effects:** None known

**Carcinogenicity:** None known

**Mutagenicity:** None known

**Terratogenicity:** None known

## SECTION 12: Ecological Information

**Ecotoxicity:** Specific data not established.

**Environmental Fate**

**Environmental Transport:** Water or soil

**Environmental Degradation:** Not established

**Soil Absorption/Mobility:** Not established

## SECTION 13: Disposal Considerations

**Disposal:** Contact Natural Pool Products, Inc., your local supplier or a licensed contractor for detailed recommendations. Recovered spilled product may be disposed of by either landfill or incineration. Follow applicable Federal, state, and local regulations.

**Disposal Regulatory Requirements:** None.

**Container Cleaning and Disposal:** Thoroughly clean empty containers with water and recycle. Do not use empty containers for food storage.

**SECTION 14: Transport Information****Shipping Name:** Chemicals NOI**Shipping Symbols:** None.**Hazard Class:** Nonhazardous.**ID No.:** None.**Packing Group:** N/A**Label:** None.**Special Provisions (172.102):** None**Packaging Authorizations**a) **Exceptions:** N/Ab) **Non-bulk Packaging:** N/Ac) **Bulk Packaging:** N/A**Quantity Limitations**a) **Passenger, Aircraft, or Railcar:** None.b) **Cargo Aircraft Only:** None.**Vessel Stowage Requirements**a) **Vessel Stowage:** None.b) **Other:** N/A**SECTION 15: Regulatory Information****EPA Regulations:**

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)

RCRA Hazardous Waste Classification (40 CFR 261): Not classified

CERCLA Hazardous Substance (40 CFR 302.4) unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b)(4); CWA, Sec. 307(a), CAA, Sec. 112

CERCLA Reportable Quantity (RQ): None.

SARA 311/312 Codes: None.

SARA Toxic Chemical (40 CFR 372.65): Not listed

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed, Threshold Planning Quantity (TPQ)

**OSHA Regulations:**

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed

OSHA Specifically Regulated Substance (29CFR 1910): Not listed.

**State Regulations:** None.**SECTION 16: Other Information****Prepared By:** Melissa Moore**Revision Notes:** July 2010**Additional Hazard Rating Systems:** None.

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