

Issuing Date 2/28/2013

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Tetraphenylboron Powder

Product Code(s) 6364

Synonyms none

Recommended Use Test kit reagent. Industrial (not for food or food contact use). Laboratory chemicals.

Company LaMotte Company, Inc.
802 Washington Avenue
P.O. Box 329
Chestertown, MD 21620
USA

Emergency Telephone Number 24 Hour Emergency Number (CHEM-TEL):
USA, Canada, Puerto Rico 1-800-255-3924
Outside North American Continent (Call collect) 813-248-0585

2. HAZARDS IDENTIFICATION**WARNING!****Emergency Overview**

Harmful if swallowed

Irritating to eyes

May cause skin irritation

May cause irritation of respiratory tract

Appearance White**Physical State** Crystalline, Powder**Odor** Slight, Phenolic

OSHA Regulatory Status Safety information is given for exposure to the reagent as sold and considers exposure to the chemical if user has direct eye and skin contact.

Potential Health Effects**Acute Toxicity****Eyes**

Irritating to eyes.

Skin

May cause irritation. May be absorbed through the skin in harmful amounts.

Inhalation

May cause irritation of respiratory tract. May be harmful if inhaled.

Ingestion

Harmful if swallowed. May cause gastrointestinal discomfort if consumed in large amounts.

Chronic Effects

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Borate(1-), tetraphenyl-, sodium	143-66-8	25
Sodium chloride USP	7647-14-5	75

4. FIRST AID MEASURES

General Advice	Show this safety data sheet to the doctor in attendance. Keep out of reach of children.
Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If irritation persists or develops, contact a physician.
Skin Contact	Wash off with soap and plenty of water removing all contaminated clothes and shoes. If irritation develops or persists, consult physician.
Inhalation	Move to fresh air. Consult a physician.
Ingestion	Drink plenty of water. Call a physician immediately.
Protection of First-aiders	Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Not a fire hazard.
Flash Point	Not applicable
Suitable Extinguishing Media	Dry chemical, CO ₂ , water spray or alcohol-resistant foam.

NFPA	Health Hazard 2	Flammability 0	Stability 0	Physical and Chemical Hazards -
HMIS	Health Hazard 2	Flammability 0	Stability 1	

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid contact with skin, eyes, and clothing.
Methods for Containment	Sweep up in a manner that does not disperse dust and shovel into suitable containers for disposal.
Methods for Cleaning Up	If local regulations permit, dissolve and rinse to drain with excess water. After cleaning, flush away traces with water.

7. HANDLING AND STORAGE

Handling	Avoid contact with skin, eyes and clothing. Handle in accordance with good industrial hygiene and safety practice. Do not ingest. Do not eat, drink, or smoke when using this product.
Storage	Keep container tightly closed in a dry and well-ventilated place. Protect from moisture. Protect from light. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Borate(1-), tetraphenyl-, sodium 143-66-8	None Known	None Known	None Known
Sodium chloride USP 7647-14-5	None Known	None Known	None Known

Engineering Measures	Showers Eyewash stations Ventilation systems.
-----------------------------	---

Personal Protective Equipment

Eye/Face Protection	Safety glasses with side-shields.
Skin and Body Protection	Protective gloves.
Respiratory Protection	No special protective equipment required under normal use conditions.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White	Odor	Slight, Phenolic
Physical State	Crystalline, Powder	pH	9 (1 tablet in 10mL of water)
Flash Point	Not applicable	Boiling Point/Range	No information available
Melting point/range	801°C / 1473°F for NaCl		

Vapor Pressure	No information available	Vapor Density	No information available
-----------------------	--------------------------	----------------------	--------------------------

10. STABILITY AND REACTIVITY

Stability	Stable.
Incompatible Products	Strong oxidizing agents.
Conditions to Avoid	Moisture. Excessive heat. Exposure to light.
Hazardous Decomposition Products	Hazardous decomposition products formed under fire conditions - . Hydrogen chloride. Carbon oxides (COx). Sodium oxides.

11. TOXICOLOGICAL INFORMATION**Acute Toxicity**

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Borate(1-), tetraphenyl-, sodium	288 mg/kg (Rat)	None Known	None Known
Sodium chloride USP	None Known	10 g/kg (Rabbit)	42 g/m ³ (Rat) 1 h

Chronic Toxicity

Chronic Toxicity	None known.
-------------------------	-------------

Chemical Name	ACGIH	IARC	NTP	OSHA
Borate(1-), tetraphenyl-, sodium	None Known	None Known	None Known	None Known
Sodium chloride USP	None Known	None Known	None Known	None Known

Chemical Name	EU - Endocrine Disruptors Candidate List	EU - Endocrine Disruptors - Evaluated Substances	Japan - Endocrine Disruptor Information
Borate(1-), tetraphenyl-, sodium	None Known	None Known	None Known
Sodium chloride USP	None Known	None Known	None Known

12. ECOLOGICAL INFORMATION

Ecotoxicity

Chemical Name	Toxicity to Algae	Toxicity to Fish	Microtox	Daphnia Magna (Water Flea)
Borate(1-), tetraphenyl-, sodium	None Known	None Known	None Known	None Known
Sodium chloride USP	None Known	LC50= 12946 mg/L Lepomis macrochirus 96 h LC50= 7650 mg/L Pimephales promelas 96 h LC50= 9675 mg/L Lepomis macrochirus 96 h	None Known	EC50 = 1000 mg/L 48 h

Persistence and Degradability Based on components, product is expected to be readily biodegradable.

Chemical Name	Log Pow
Borate(1-), tetraphenyl-, sodium	None Known
Sodium chloride USP	None Known

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Dispose of in accordance with local regulations. Dispose of contents/container in accordance with local regulation.

Chemical Name	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Borate(1-), tetraphenyl-, sodium - 143-66-8	None Known	None Known	None Known	None Known
Sodium chloride USP - 7647-14-5	None Known	None Known	None Known	None Known

14. TRANSPORT INFORMATION

DOT Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

International Inventories

Component	TSCA	DSL	EINECS/ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Borate(1-), tetraphenyl-, sodium 143-66-8 (25)	Present	X	X	3-2553	X	KE-31629	X	X
Sodium chloride USP 7647-14-5 (75)	Present	X	X	1-236	X	KE-31387	X	X

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Name	CAS-No	Weight %	SARA 313 - Threshold Values %
Borate(1-), tetraphenyl-, sodium	143-66-8	25	None Known
Sodium chloride USP	7647-14-5	75	None Known

SARA 311/312 Hazard Categories

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Borate(1-), tetraphenyl-, sodium 143-66-8 (25)	None Known	None Known	None Known	None Known
Sodium chloride USP 7647-14-5 (75)	None Known	None Known	None Known	None Known

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contain any HAPs.

Chemical Name	CAS-No	Weight %	HAPS data	VOC Chemicals	Class 1 Ozone Depletors	Class 2 Ozone Depletors
Borate(1-), tetraphenyl-, sodium	143-66-8	25	None Known	None Known	None Known	None Known
Sodium chloride USP	7647-14-5	75	None Known	None Known	None Known	None Known

CERCLA

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs
Borate(1-), tetraphenyl-, sodium	None Known	None Known
Sodium chloride USP	None Known	None Known

U.S. State Regulations**California Proposition 65**

This product does not contain any Proposition 65 chemicals

Chemical Name	CAS-No	California Prop. 65
Borate(1-), tetraphenyl-, sodium	143-66-8	None Known
Sodium chloride USP	7647-14-5	None Known

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Borate(1-), tetraphenyl-, sodium	None Known	None Known	None Known	None Known	None Known
Sodium chloride USP	None Known	None Known	None Known	None Known	None Known

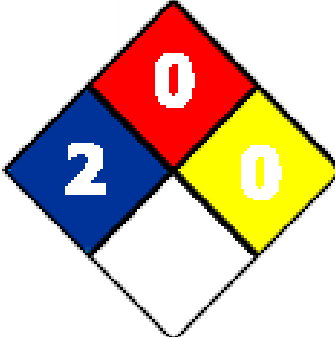

International Regulations**Mexico - Grade**

Chemical Name	Carcinogen Status	Exposure Limits
Borate(1-), tetraphenyl-, sodium	None Known	None Known
Sodium chloride USP	None Known	None Known

Canada

Component	WHMIS Hazard Class
Borate(1-), tetraphenyl-, sodium 143-66-8 (25)	Not determined
Sodium chloride USP 7647-14-5 (75)	Uncontrolled product according to WHMIS classification criteria

16. OTHER INFORMATION

NFPA	HMIS	PPE	Transport Symbol						
	<table border="1"> <tr> <td>Health Hazard</td> <td>2</td> </tr> <tr> <td>Fire Hazard</td> <td>0</td> </tr> <tr> <td>Reactivity</td> <td>1</td> </tr> </table>	Health Hazard	2	Fire Hazard	0	Reactivity	1		
Health Hazard	2								
Fire Hazard	0								
Reactivity	1								

Prepared By Regulatory Affairs Department
 Issuing Date 2/28/2013
 Revision Date -
 Revision Note Update to Format.
 Disclaimer

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS