

MATERIAL SAFETY DATA SHEET

Hardness Buffer Powder

SECTION 1 . Product and Company Identification

Product Name and Synonym: Hardness Buffer Powder

Product Code: 205-21

Material Uses:

Manufacturer: OFI Testing Equipment Inc.
OFI Testing Equipment, Inc.
11302 Steeplecrest Drive
Houston, TX 77065 USA
Phone: (713) 880-9885
Fax: (713) 880-9886

Entry Date :

Print Date: 7/30/2010

24 Hour Emergency Assistance : Chemtrec 800-424-9300
Canutec 613-996-6666

Health:	2
Flammability:	1
Reactivity:	0
Hazard Rating:	
Least	Slight
0	1
Moderate	High
2	3
Extreme	4
0	4
NA = Not Applicable NE = Not Established	

SECTION 2 HAZARD IDENTIFICATION

May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

Emergency Overview:
 May cause irritation to the skin. May cause moderate irritation to the eyes. Dusts may cause irritation to the upper respiratory tract. DOT hazard is not applicable
 Inhalation: Dusts may cause irritation to the upper respiratory tract.
 Ingestion: May cause slight gastrointestinal irritation.
 Skin: May cause slight irritation to the skin.
 Eyes: May cause moderate irritation to the eyes.
 Chronic Exposure: No Information Found.
 Aggravated by Exposure: No Information Found.

SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Boric Acid, Disodium Salt Pentahydrate	CAS# 12179-04-3	7-13%	W/W	OSHA PEL 15 mg/m ³ (total dust)
<input type="checkbox"/>	Potassium Permanganate	CAS# 7722-64-7	3-7%	W/W	OSHA PEL (C) 5 mg/m ³ (air)
<input type="checkbox"/>	Sodium Sulfide	CAS# 1313-82-2	<2%	W/W	TXDS: orl-rat LD ₅₀ : 200 mg/Kg

Emergency Overview: May Cause Respiratory, Gastrointestinal, and Skin Irritation. Severe Irritant to the Eyes.

Inhalation: Mists / Aerosols may Cause Irritation to Upper Respiratory Tract.

Ingestion: May Cause Gastrointestinal Irritation with Possible Nausea, Vomiting, Abdominal Discomfort and Diarrhea.

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Skin:Primary Route of Exposure; May Cause Moderate Irritation to the Skin.

Eye Contact:Severe Irritant to the Eyes, Possibly Corrosive.

Chronic Exposure:No Information Found.

Aggravated by Exposure:No Information Found.

SECTION 4 FIRST AID MEASURES

May be harmful if swallowed. May cause irritation. Avoid breathing vapors, or dusts. Use with adequate ventilation. Avoid contact with eyes, skin, and clothes. Wash thoroughly after handling.

FIRST AID: SKIN: Wash exposed area with soap and water. If irritation persists, seek medical attention.

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: Give several glasses of milk or water. Vomiting may occur spontaneously, but DO NOT INDUCE! Never give anything by mouth to an unconscious person.

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Carbon Dioxide, dry chemical powder, or appropriate foam

Fire / Explosion Hazards: None Known.

Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Sweep up and place in suitable (fiberboard) containers for reclamation or later disposal.

Ventilate Area of Leak or Spill. Wear Appropriate Personal Protective Equipment as Specified in

Section 8. Spills: Sweep up and Containerize for Reclamation or Disposal. Vacuuming or Wet

Sweeping may be Used to Avoid Dust Dispersal. Wet Area may be Slippery. Spread Sand / Grit.

SECTION 7 HANDLING AND STORAGE

Store in a cool dry well ventilated area. Keep away from heat and flame. Do not get in eyes, on skin, or on clothing.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: NIOSH/MSHA-approved respirator

Ventilation

Local Exhaust

Mechanical

Protective Gloves: Wear appropriate gloves to prevent skin exposure

Eye Protection: Chemical Safety Goggles

Other Protective Equipment: Wear appropriate clothing to prevent skin exposure

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

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Melting Point:	Information not available	Percent Volatile by Volume:	Information not available
Boiling Point:	Information not available	Evaporation Rate	< 1.00
Vapor Pressure:	Information not available	Evaporation Standard	Ether = 1
Vapor Density:	Information not available	Auto Ignition Temp	info not available
Solubility in Water:	Information not available	Lower Flamm. Limit in Air	info not available
Appearance /Odors:	White powder slight sulfur odor	Upper Flamm. Limit in Air	info not available
Flash Point:	> 200C		
Specific Gravity:	Information not available		

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability:	Stable
Conditions to Avoid:	None known
Materials to Avoid:	Strong oxidizing agents
Hazardous Decomposition Products:	Thermal decomposition yields elemental oxides.
Hazardous polymerization:	Will Not Occur
Conditions to Avoid:	None known

SECTION 11 Toxicological Information

Carcinogenic References: NTP Carcinogen - Known: No, IARC Category- None

SECTION 12 Ecological Information

Environmental Fate:No Information Found.
Environmental Toxicity:No Information Found.

SECTION 13 Disposal Considerations

Water Contaminated with this Product may be Sent to a Sanitary Sewer Treatment Facility, in Accordance with any Local Agreement, a Permitted Waster Treatmenst Facility or Discharged Under a Permit. Product as is - Incinerate or Land Dispose in an Approved Landfill.

SECTION 14 Transport Information

DOT Classification: Not Regulated

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

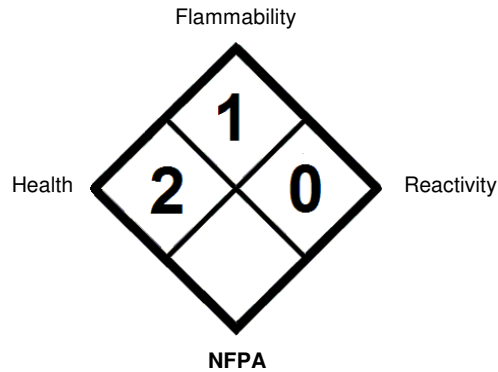
SECTION 15 Regulatory Information

Components listed on TSCA Inventory.

SECTION 16 Additional Information

eyes & skin:flush affected area with large amounts of water.inhal: remove to fresh air.ingest:give two large glasses of water. In all cases seek medical attention. Conditions aggravated/target organs . Persons with pre-existing eye,skin or respiratory condition may be more susceptible.

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Revisions

7/30/2010	0.1	updated msds to 16 section from 10 section msds. STN
	0	

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