

MATERIAL SAFETY DATA SHEET

Hardness Indicator Powder

SECTION 1 . Product and Company Identification

Product Name and Synonym: Hardness Indicator Powder
Product Code: 205-20
Material Uses:
Manufacturer: OFI Testing Equipment, Inc.
11302 Steeplecrest Drive
Houston, TX 77065 USA
Phone: (713) 880-9885
Fax: (713) 880-9886
Entry Date : 5/6/2010
Print Date: 7/30/2010
24 Hour Emergency Assistance : Chemtrec 800-424-9300
Canutec 613-996-6666

Health:	1			
Flammability:	1			
Reactivity:	0			
Hazard Rating:				
Least	Slight	Moderate	High	Extreme
0	1	2	3	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.

Physical state: Black Powder
Odor: None

OSHA/HCS status: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

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"/>	Hardness Indicator Powder		100%	W/W	

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: Get medical attention immediately. Wash out mouth with water. Move exposed person to fresh air. If exposed person is conscious, give small quantities

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of water to drink. Do not induce vomiting unless directed to do so by medical personnel.

SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: dry chemical, carbon dioxide, foam or water.

Fire / Explosion Hazards: None

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

Hazardous decomposition products: Oxides of carbon, nitrogen and sulfur.

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.

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

SECTION 7 HANDLING AND STORAGE

Store in a cool dry place. This Material is not considered hazardous. Handle using safe laboratory practices.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: None required

Ventilation

Local Exhaust

Mechanical

Protective Gloves: NIOSH Approved Gloves

Eye Protection: Splash Goggles

Other Protective Equipment: Use safe laboratory handling procedures.

Engineering measures: Use only with adequate ventilation.

Personal Protection: Use protective equipment in accordance with 29CFR 1910 subpart I.

Eye protection: Chemical goggles

Respiratory protection: A respiratory protection program that meets OSHA'S 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever use air purifying respirators within use limitations associated with the equipment or else use supplied air respirators. If air-purifying respirator use is appropriate, use any of the following particulate respirators: N95, N99,

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N100, R95, R99, R100, P95, P99 or P100.

Hand protection: Rubber, butyl, viton or neoprene gloves - wash off after each use. Replace as necessary

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Melting Point:	Information not available	Percent Volatile by Volume:	Not applicable
Boiling Point:	Information not available	Evaporation Rate	< 1.00
Vapor Pressure:	1 mm Hg @ 865° C	Evaporation Standard	Ether = 1
Vapor Density:	Information not available	Auto Ignition Temp	Not applicable
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	Not applicable
Appearance /Odors:	Black powder / no odor	Upper Flamm. Limit in Air	Not applicable
Flash Point:	> 200 deg F		
Specific Gravity:	Information not available		

SECTION 10 STABILITY AND REACTIVITY INFORMATION

Stability:	Stable
Conditions to Avoid:	None known
Materials to Avoid:	may react with strong oxides
Hazardous Decomposition Products:	oxides of carbon, nitrogen and sulfur.
Hazardous polymerization:	Will Not Occur
Conditions to Avoid:	None known

SECTION 11 Toxicological Information

Test	Result	Route	Species
LD50	>2,000 mg/kg	Oral	Rat
LD50	>2,000 mg/kg	Dermal	Rabbit

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

SECTION 12 Ecological Information

No Information Found.

SECTION 13 Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

SECTION 14 Transport Information

DOT Hazard: Not applicable
Proper Shipping Name: Not applicable
DOT emergency response guide #: Not applicable

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Note: Some containers may be DOT exempt, please check BOL for exact container classification.

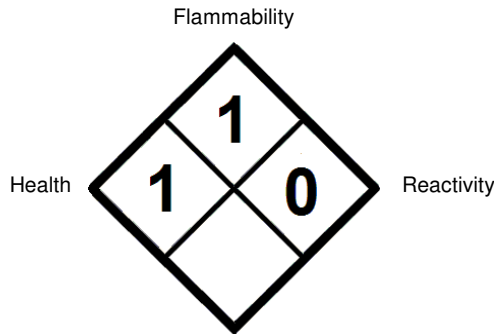
DOT Classification: Not Regulated

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

SECTION 15 Regulatory Information

No Information Found.

SECTION 16 Additional Information



Revisions

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