

**BRUSH RESEARCH MANUFACTURING CO., INC.
MATERIAL SAFETY DATA SHEET**

I. PRODUCT IDENTIFICATION

Trade Name (as Labeled) **MAGNATEST INSPECTION POWDER, RED**

Chemical Names, common names **IRON**

Manufacturer's name **BRUSH RESEARCH MFG. CO., INC.**

Address **4642 East Floral Dr., Los Angeles,
CA 90022**

Emergency Phone **213-261-2193**

Business Phone **213-261-2193**

Date Prepared 6/2/98

II. HAZARDOUS INGREDIENTS

<u>Chemical Names</u>	<u>%</u>	<u>CAS Numbers</u>		<u>Exposure Limits in Air</u>		<u>OTHER</u>
				<u>ACGIH (TLV)</u>	<u>OSHA (PEL)</u>	
Iron	97.2	65997-19-5	10mg/m3			
*C.P. Yellow Medium	1.3	7439-92-1		.15mg/m3		.05mg/m3
Barium	1.5	7440-39-3		.5mg/m3		.05mg/m3

*Lead contained in this product. Handle according to applicable standards.

III. PHYSICAL PROPERTIES

Vapor Density	no information available
Specific Gravity	7.5
Solubility in Water	not soluble
Vapor pressure, mmHg at 20C	1MM
Evaporation rate (butyl acetate =1)	no information available
Appearance and order	red fine powder - no odor
Melting point or range, °F	no information available
Boiling point or range, °F	5432° F

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IV. FIRE AND EXPLOSION

Flash Point, °F (give method) N/A
Autoignition temperature, °F N/A
Flammable limits in air, volume %. Lower N/A Upper N/A
Fire extinguishing materials: ___water spray ___carbon dioxide ___X_other:
___foam ___dry chemical graphite, dolomite or sodium chloride

Special fire fighting procedures: Use water only in mist/fog application to avoid spreading powder or accumulated dust in surrounding areas. Firefighters should use self contained breathing apparatus and protective clothing & equipment.

Unusual fire and explosion hazards: Iron is not considered flammable under most conditions. Avoid airborne dispersion of any finely divided powder in an enclosed industrial area to reduce potential for dust ignition.

NFPA Rating: Fire = 0 Health = 0
Reactivity = 0 Specific Hazard = NONE

V. HEALTH HAZARD INFORMATION

Symptoms of Overexposure:

Inhaled: Acute - Bronchitis / Chronic - Siderosis
Contact with skin or eyes: Acute-Mechanical Irritation / Chronic Conjunctivitis
Absorbed through skin: No information available
Swallowed: No information available

First Aid: Emergency Procedures

Eye Contact: Immediately flush with large quantities of water. Eye lids should be held away from the eyeballs to insure thorough rinsing. Do not rub eyes. Obtain medical attention if irritation persists.
Skin Contact: Wash with soap & water
Inhaled: Remove to fresh air
Swallowed: No information available

SUSPECTED CANCER AGENT?

_X_NO: This product's ingredients are not found in the lists below,
_YES: Federal OSHA NTP IARC Cal/OSHA (see note)*

NOTE: California employers using Cal/OSHA-regulated carcinogens must register with Cal/OSHA.

Medical Conditions Aggravated By Exposure: No information available
Recommendation To Physician: No information available

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VI. REACTIVITY DATA

Stability: Stable Unstable
Conditions to avoid: Generation of airborne dust
Incompatibility (materials to avoid): Pure oxygen or other strong oxidizers
Hazardous decomposition products (including combustion products): None
Hazardous polymerization: May occur Will not occur

VII. SPILL, LEAK AND DISPOSAL PROCEDURES

Spill Response Procedures:
Avoid generation of airborne dust. Where possible use vacuum suction to clean spilled material. Use high efficiency particulate arresting (HEPA) filter if the vacuum exhaust is discharged into the workplace. Use dust suppressant where sweeping is necessary. Personal safety recommendations described elsewhere on this MSDS apply to exposure during spill cleanup procedures.

Preparing wastes for disposal (container types, neutralization, etc.):
Dispose of in accordance with all applicable Federal, State and local regulations.

VIII. SPECIAL HANDLING INFORMATION

Ventilation and Engineering Controls: Use adequate ventilation in order to maintain airborne particulate levels below the recommended exposure limits (see Section II).

Respiratory Protection: Use NIOSH-approved dust respirator with approval number TC-21-C where airborne levels of material exceed the recommended exposure limits (see Section II).

Eye Protection: Wear safety glasses or goggles when handling material to prevent eye contact. Do not wear contact lenses. Have eye baths readily available where eye contact can occur.

Precautions to be taken in Handling and Storage: Keep in closed containers. Do not store near strong oxidizers. Use good housekeeping practices to prevent accumulation of dust.

IX. COMMENTS

Observe good industrial hygiene and safety precautions when handling this product. We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.