

# FLINN SCIENTIFIC, INC.

## Material Safety Data Sheet (MSDS)

MSDS #: 435.10

Revision Date: December 7, 2011

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### SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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#### Lead Chromate

Flinn Scientific, Inc. P.O. Box 219 Batavia, IL 60510 (800) 452-1261

CHEMTREC Emergency Phone Number: (800) 424-9300

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### SECTION 2 — COMPOSITION, INFORMATION ON INGREDIENTS

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Lead chromate

Synonym: Chrome yellow

CAS#: 7758-97-6

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### SECTION 3 — HAZARDS IDENTIFICATION

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Yellow crystals.

Known human carcinogen (IARC-1).

Avoid contact with all body tissues.

Toxic by ingestion and inhalation.

#### FLINN AT-A-GLANCE

Health-3

Flammability-0

Reactivity-0

Exposure-3

Storage-1

0 is low hazard, 3 is high hazard

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### SECTION 4 — FIRST AID MEASURES

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Call a physician and seek medical attention for further treatment, observation, and support after first aid.

Inhalation: Remove to fresh air at once. If breathing has stopped, give artificial respiration immediately.

Eye or External: Immediately flush with fresh water for at least 15 minutes.

Internal: Do NOT induce vomiting. Rinse mouth. Call a physician or poison control at once.

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### SECTION 5 — FIRE FIGHTING MEASURES

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Nonflammable solid.

When heated to decomposition, emits toxic fumes of Pb and Cr.

**Fire Fighting Instructions:** Use a triclass, dry chemical fire extinguisher. Firefighters should wear PPE and SCBA with full facepiece operated in positive pressure mode.

#### NFPA CODE

None

established

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### SECTION 6 — ACCIDENTAL RELEASE MEASURES

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Restrict unprotected personnel from the area. Sweep up the spill, place in a sealed bag or container, and dispose. Ventilate area and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

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### SECTION 7 — HANDLING AND STORAGE

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Flinn Suggested Chemical Storage Pattern: Inorganic #8. Store with borates, chromates, manganates, and permanganates. Store in a Flinn Chem-Saf bag. Use and dispense in a hood.

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### SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

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Avoid contact with eyes, skin, and clothing. Wear chemical splash goggles, chemical-resistant gloves, and a chemical-resistant apron. Use ventilation to keep airborne concentrations below exposure limits. Always wear a NIOSH-approved respirator with proper cartridges or a positive pressure, air-supplied respirator when handling this material in emergency situations (spill or fire). Exposure guidelines: TWA 0.05 mg/m<sup>3</sup> (as Pb) TWA 0.12 mg/m<sup>3</sup> (as Cr) (ACGIH, ACGIH)

**SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES**

Yellow crystals.

Solubility: Soluble in strong acids and alkalis.

Insoluble in water.

Formula: PbCrO<sub>4</sub>

Formula weight: 323.19

Melting point: 844 °C

Specific gravity: 6.3

**SECTION 10 — STABILITY AND REACTIVITY**

When heated to decomposition, emits toxic fumes of Pb.

Shelf life: Indefinite, if stored properly.

**SECTION 11 — TOXICOLOGICAL INFORMATION**

Acute effects: Irritant.

Chronic effects: Carcinogen, mutagen, reproductive hazard.

Target organs: Lungs, blood, kidneys, nerves, male/female reproductive systems.

ORL-MUS LD<sub>50</sub>: 12 g/kg

IHL-RAT LC<sub>50</sub>: N.A.

SKN-RBT LD<sub>50</sub>: N.A.

N.A. = Not available, not all health aspects of this substance have been fully investigated.

**SECTION 12 — ECOLOGICAL INFORMATION**

Data not yet available.

**SECTION 13 — DISPOSAL CONSIDERATIONS**

Please review all federal, state and local regulations that may apply, before proceeding.

Flinn Suggested Disposal Method #27f is one option.

**SECTION 14 — TRANSPORT INFORMATION**

Shipping name: Not regulated

Hazard class: N/A

UN number: N/A

N/A = Not applicable

**SECTION 15 — REGULATORY INFORMATION**

TSCA-listed, EINECS-listed (231-846-0), RCRA code D001, D007, D008.

**SECTION 16 — OTHER INFORMATION**

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**Consult your copy of the *Flinn Science Catalog/Reference Manual*  
for additional information about laboratory chemicals.**