

**GFS CHEMICALS, INC.**

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740-881-5501(Tel.) 740-881-5989(Fax)  
1-800-424-9300(Chemtrec 24Hr. Info.)

**MATERIAL SAFETY DATA SHEET**

307

**LITHIUM CHROMATE**

**CHEMICAL NAME & SYNONYMS**

Lithium Chromate

**DOT CLASS**

9/III

**SARA TITLE 313**

Yes - Cr Cmpds

**TSCA listed** - Yes

**FORMULA**

$\text{Li}_2\text{CrO}_4 \cdot 2\text{H}_2\text{O}$

**REPORTABLE QUANTITY**

4.54 kg

**F.W.**

165.92

**CAS#**

7789-01-7 (Hyd)  
14307-35-8 (Anhy)

**PHYSICAL DATA**

Deliquescent, loses water at 75EC; Soluble in water and alcohol.

**APPEARANCE & ODOR**

Yellow crystals. Odorless.

**REACTIVITY & CONDITIONS TO AVOID**

Oxidant. Stable. Incompatible with reducing agents, combustibles.

**FIRE HAZARDS**

May cause fire with combustibles. Decomposition leads to toxic fumes. Firefighters wear SCBA. NFPA # 3-0-2.

**EXTINGUISHER**

Water Spray.

**FLASHPOINT**

N/A

**LEL**

N/A

**UEL**

N/A

**HEALTH HAZARDS**

May be irritating to skin, eyes and nose. Toxic internally. LD/TD no data. OSHA PEL (Ceiling) 0.1 mg (Cr)/m<sup>3</sup>, ACGIH TLV: TWA 0.5 mg (Cr)/m<sup>3</sup>. Experimental carcinogen. Warning: This product contains a chemical known to the state of California to cause cancer.

**SPECIAL PRECAUTIONS**

Wear goggles and rubber gloves while handling. Use adequate ventilation or suitable respirator to avoid inhalation of dust.

**FIRST AID**

Wash affected area well with water. If eye irritation persists, get medical attention. If swallowed, give water or milk and induce vomiting. Call a physician.

**SPILLS & LEAKS**

Sweep up, minimizing dust formation, wash up with water. Disposal to hazardous waste.

**CATALOG #**

307

**PREPARED BY**

MDM

**DATE**

January 25, 2000