Lead Chromate
Safety Data Sheet

1. Product and Company

Product name: Lead Chromate
Synonym: Chrome Yellow, Cologne Yellow, King’s Yellow
CAS-No.: 7758-97-6
Company: Hummel Croton Inc.
10 Harmich Rd.
South Plainfield, NJ 07080
Telephone: 908-754-1800
Fax: 908-754-1815

Emergency telephone number
Emergency Phone #: Chemtrec US: 800-424-9300
ChemTel International: +1-813-248-0585

2. Hazards

GHS Label elements

GHS Classification: Carcinogenicity (Category 1A), H350
Reproductive toxicity (Category 1A), H360
Specific target organ toxicity - repeated exposure (Category 2), H373
Acute aquatic toxicity (Category 1), H400
Chronic aquatic toxicity (Category 2), H411

Signal word DANGER
Hazard statement(s)

H350  May cause cancer.
H360  May damage fertility or the unborn child.
H373  May cause damage to organs through prolonged or repeated exposure.
H400  Very toxic to aquatic life.
H411  Toxic to aquatic life with long lasting effects.

Precautionary statement(s)

P201  Obtain special instructions before use.
P202  Do not handle until all safety precautions have been read and understood.
P260  Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
P273  Avoid release to the environment.
P281  Use personal protective equipment as required.
P308 + P313  IF exposed or concerned: Get medical advice/ attention.
P391  Collect spillage.
P405  Store locked up.
P501  Dispose of contents/ container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC) or not covered by GHS

None.

3. Composition/Ingredients

Substance
Formula: PbCrO₄
CAS-No.: 7758-97-6

<table>
<thead>
<tr>
<th>Material</th>
<th>CAS</th>
<th>%</th>
<th>OSHA</th>
<th>ACGIH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lead Chromate</td>
<td>7758-97-6</td>
<td>100%</td>
<td>0.05 mg/m³ as Lead</td>
<td>0.05 mg/m³ as Lead</td>
</tr>
</tbody>
</table>

4. First Aid

First Aid For Eye: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.
First Aid For Skin: In case of contact, flush skin with water. Wash clothing before reuse. Call a physician if irritation occurs.
First Aid For Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.
First Aid For Ingestion: If swallowed, call a physician immediately.

5. Fire Data

Flammability: Non-Flammable
Flash Points: Not Applicable
Auto-Ignition: Not Applicable
Flammable Limits: Not Applicable
Extinguishing Media: Foam, carbon dioxide, and dry chemical.
Fire Fighting Procedure: Use self-contained breathing apparatus.
Fire/Explosion Hazards: In the presence of heat and organic matter, lead chromate can cause oxidation reactions resulting in fires. Toxic lead oxide fumes can be generated during fire conditions.

6. Accidental Release
Spill Or Leak Procedures: Utilize recommended protective clothing and equipment. Clean spills in a manner that does not disperse dust into the air. Spill area can be washed with water. Collect wash water for approved disposal. Keep from entering water or ground water.

7. Handling And Storage
Storage Temperatures: Store at ambient temperature
Shelf Life: Unlimited in tightly sealed container
Special Sensitivity: None.
Handling/Storage Precautions: Avoid breathing dust. Avoid getting in eyes or on skin. Wash thoroughly after handling. Store in a dry place away from direct sunlight, heat and incompatible materials. Reseal containers immediately after use. Store away from food and beverages.

8. Exposure Controls/Personal Protection
Eye Protection: Safety glasses or goggles.
Skin Protection: PVC gloves with impervious boots, apron or coveralls. Wash hands and face before eating, drinking or using tobacco.
Respirator: Work ambient concentrations should be monitored and if the recommended exposure limit is exceeded, a NIOSH/MSHA approved dust respirator must be worn.
Ventilation: Use local ventilation if dusting is a problem, to maintain air levels below the recommended exposure limit.
Additional Measures: Emergency showers and eye wash stations should be available. Educate and train employees in the safe handling of hazardous chemicals.

9. Physical And Chemical Properties
Physical Form: Powder
Color: Yellow to Orange
Odor: Odorless
Molecular Weight: 323.19 g/mol
Boiling Point: Not Established
Melting/Freezing Point: 844°C
Solubility In Water: Insoluble
Specific Gravity: 6.3

10. Stability And Reactivity
Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibilities: Reducing agents.
Instable Conditions: Excessive temperatures (see Incompatibilities).
Decomposition Temperature: Not Established
Decomposition products: Oxides of lead and chromium.

11. Toxicological Information

RTECS Number: GB2975000
Routes of Exposure: Eye contact. Ingestion. Inhalation. Skin contact.
Toxicity Data: IPR-GPG LD75 156 mg/kg
Tumorigenic Data: SCU-RAT TDlo: 135 mg/kg IMS-RAT TDLo: 324 mg/kg/39W-1
Acute Health Effects: Irritating to the skin and eyes on contact. Inhalation will cause irritation to the lungs and mucus membrane. Irritation to the eyes will cause watering and redness. Reddening, scaling, and itching are characteristics of skin inflammation. Follow safe industrial hygiene practices and always wear protective equipment when handling this compound.
Chronic Health Effects: Lead salts have been reported to cross the placenta and to induce embryo- and feto- mortality. They also have teratogenic effect in some animal species. No teratogenic effects have been reported with exposure to organometallic lead compounds. Adverse effects of lead on human reproduction, embryonic and fetal development and postnatal (e.g., mental) development have been reported. Excessive exposure can affect blood, nervous and digestive systems. The synthesis of hemoglobin is inhibited and results in anemia. If left untreated, neuromuscular dysfunction, possible paralysis and encephalopathy can result. Additional symptoms of overexposure include: joint and muscle pain, weakness of the extensor muscles (frequently the hand and wrist), headache, dizziness, abdominal pain, diarrhea, constipation, nausea, vomiting, blue line on the gums, insomnia and metallic taste. High body levels produce increased cerebrospinal pressure, brain damage, stupor leading to coma and often death.
Acute Health Effects: This product is listed by NTP, (Reasonably anticipated to be a carcinogen) IARC (Carcinogenic to humans: sufficient evidence of carcinogenicity.) and NIOSH (Carcinogen defined with no further categorization) as a carcinogen.

12. Ecological Information

Ecotoxicity: Not available at this time.

13. Disposal Considerations

Waste Disposal Method: Waste disposal should be in accordance with existing federal, state and local environmental regulations.

14. Transportation Information

Proper Shipping Name: Environmentally Hazardous Substance, Solid, N.O.S. (Lead Chromate)
UN Number: 3077
Class: 9
P.G.: III
Label Code: 9
Other Information: Marine Pollutant
15. Regulatory Information

OSHA Status: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.
TSCA Chemical Inventory: This compound is on the EPA Toxic Substance Control Act (TSCA) Inventory List
California Proposition 65: To the best of our knowledge, this product contains no levels of listed substances, which the State of California has found to cause cancer, birth defects or other reproductive effects.
SARA 313 Title III:
   Section 320 Extremely Hazardous Substances: None
   Section 311/312 Hazardous Categories: None
   Section 313 Toxic Chemicals: Yes; Lead content 64.11%

16. Other Information

Prepared By: Michael Richard
Date: March 21, 2018
Reason For Issue: Emergency Contact Update

No warranty, expressed or implied, or merchantability, fitness for a particular purpose or otherwise is made, except that the products herein discussed comply with the chemical description on the labels. Buyer assumes risks of the use, storage and handling. Hummel Croton shall not be liable for any incidental or consequential damages arising directly or indirectly in connection with the purchase, use, storage or handling of this product. The information contained herein is, to the best of our knowledge, true and accurate. However, all recommendations or suggestions are made without guarantee, since the conditions of use are beyond our control. We disclaim any liability incurred in connection with the use of these data or suggestions. This information is not to be taken as a license to operate under, or a recommendation to infringe any patent(s). The observance of all regulations and patents is the responsibility of the user. No agent, representative or employee of this company is authorized to vary any items of this notice.