

# MATERIAL SAFETY DATA SHEET

For R&D use only. Not for drug, household or other uses.

Click <http://www.lookchem.com/cas-143/14307-35-8.html> for suppliers of this product.

## Composition/Information on Ingredient

**Cas:**  
14307-35-8

**Code:**  
M

**RTECS:**  
GB2915000

**Code:**  
M

**Name:**  
LITHIUM CHROMATE

**Other REC Limits:**  
0.05 MG/M3 (CR VI)

**OSHA PEL:**  
0.5 MG/M3

**Code:**  
M

**OSHA STEL:**

**Code:**

**ACGIH TLV:**  
0.5 MG/M3

**Code:**  
M

**ACGIHSTEL:**  
N/P

**Code:**

## Control Measures

**Respiratory Protection:**  
IF BATTERIES ARE BURNING USE SCBA.

**Ventilation:**  
NONE NORMALLY REQUIRED.

**Protective Gloves:**  
NONE NORMALLY REQUIRED.

**Eye Protection:**  
NONE NORMALLY REQUIRED.

**Other Protective Equipment:**  
Equipment NONE NORMALLY REQUIRED.

**Work Hygienic Practices:**  
IF BATTERY IS LEAKING AVOID CONTACT WITH SKIN, HANDS, EYES.

**Supplemental Safety and Health:**  
WHEN SHREDDED PER TOXICITY CHARACTERISTIC LEACHATE PROCEDURE PARAMETERS AND TESTED PER SW846,3RD EDITION,"TEST METHODS FOR EVALUATING SOLID WASTE" INDEPENDENT CERTIFIED LABORATORY ANALYSES HAVE INDICA TED THESE DISCHARGED RAYOVAC BATTERY TYPES HAVE NO HAZARDOUS WASTE CHARACTERISTICS (PER 40 CFR, PART 261.24). 6

## Health Hazards Data

**LD50LC50Mixture:**  
NONE SPECIFIED BY MANUFACTURER.

**Route Of Entry Inds - Inhalation:**  
NO

**Skin:**  
NO

**Ingestion:**  
NO

**Carcinogenicity Inds - NTP:**  
NO

**IARC:**  
NO

**OSHA:**  
NO

**Health Hazards Acute And Chronic:**  
INTACT BATTERIES PRESENT NO SPECIFIC HAZARDS. BURNING BATTERIES EMIT HIGHLY TOXIC FUMES. LEAKING BATTERIES LEAK CORROSIVE MATERIAL IRRITATING TO SKIN, EYES AND MUCOUS MEMBRANES.

**Explanation Of Carcinogenicity:**  
CONTAINS LESS THAN 1% HEXAVALENT CHROMIUM COMPOUNDS. CARCINOGENIC DETERMINATION: INDEFINITE (NIOSH, 1976). 4

**Signs And Symptions Of Overexposure:**  
NONE, UNLESS BATTERY RUPTURES. EXPOSURE TO LEAKING ELECTROLYTE CAN CAUSE SEVERE IRRITATION TO SKIN. INHALATION OF FUMES MAY CAUSE SEVERE RESPIRATORY IRRITATION.

**Medical Cond Aggravated By Exposure:**  
BURNING BATTERIES: RESPIRATORY ALIMENTS, LEAKING BATTERIES: SKIN CONDITIONS.

**First Aid:**  
IN THE EVENT THAT BATTERY RUPTURES, FLUSH WITH COPIOUS QUANTITIES OF WATER. GET MEDICAL ATTENTION FOR EYES. WASH SKIN WITH SOAP AND WATER.

**Spill Release Procedures:**  
IN THE EVENT OF BATTERY RUPTURE, COLLECT ALL RELEASED MATERIAL IN A PAIL FOR WASTE DISPOSAL.

**Neutralizing Agent:**  
NONE SPECIFIED BY MANUFACTURER.

**Waste Disposal Methods:**  
DISPOSE OF SPILLS IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS. REPORT ALL SPILLS IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS.

**Handling And Storage Precautions:**  
STORE IN A DRY PLACE. DO NOT RECHARGE. DO NOT ABUSE OR SHORT CIRCUIT.

**Other Precautions:**  
DO NOT PACK, STORE, OR SHIP USED BATTERIES IN TIGHTLY SEALED CONTAINERS. THE SLOW EVOLUTION OF HYDROGEN GAS FROM USED BATTERIES MAY PRODUCE CONTAINER OVER-PRESSURE OR EXPLOSIVE CONDITIONS.

## Fire and Explosion Hazard Information

**Flash Point Method:**  
N/P

**Flash Point:**

**Flash Point Text:**  
N/R

**Autoignition Temp:**

**Autoignition Temp Text:**  
N/A

**Lower Limits:**  
N/R

**Upper Limits:**  
N/R 5

**Extinguishing Media:**  
IN BULK STORAGE AREAS, USE FOAM OR DRY POWDER. WATER MAY CAUSE ELECTRICAL SHORTS.

**Fire Fighting Procedures:**  
AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS TO AVOID INHALATION OF HAZARDOUS DECOMPOSITION PRODUCTS.

**Unusual Fire/Explosion Hazard:**  
CELLS MAY RUPTURE WHEN EXPOSED TO EXCESSIVE HEAT WITH THE RELEASE OF CORROSIVE MATERIALS. BATTERY CONTAINS MAGNESIUM ALLOY WHICH MAY IGNITE IN FIRE CONDITIONS.

## Physical/Chemical Properties

**HCC:**  
N1

**NRC/State LIC No:**  
N/R

**Net Prop WT For Ammo:**

**Boiling Point:**

**B.P. Text:**  
N/R

**Melt/Freeze Pt:**

**M.P/F.P Text:**  
N/R

**Decomp Temp:**

**Decomp Text:**  
N/R

**Vapor Pres:**  
N/R

**Vapor Density:**  
N/R

**Volatile Org Content %:**

**Spec Gravity:**  
N/R

**VOC Pounds/Gallon:**

**PH:** N/R

**VOC Grams/Liter:**

**Viscosity:**  
N/P

**Evaporation Rate & Reference:**  
N/R

**Solubility in Water:**  
N/K

**Appearance and Odor:**  
9 7/8 X 3 9/16 X 2 1/16 INCH BATTERY

**Percent Volatiles by Volume:**  
N/R

**Corrosion Rate:**  
N/R

## Reactivity Data

**Stability Indicator:**  
YES

**Stability Condition To Avoid:**  
FIRE AND EXTREME HEAT, PHYSICAL/ELECTRICAL ABUSE OR SHORT CIRCUITING. DO NOT RECHARGE.

**Materials To Avoid:**  
N/R

**Hazardous Decomposition Products:**  
MOLTEN AND BURNING MAGNESIUM, MAGNESIUM OXIDE FUMES, ASPHALT FUMES.

**Hazardous Polymerization Indicator:**  
NO

**Conditions To Avoid Polymerization:**  
WILL NOT OCCUR. 7

## Toxicological Information

**Information:**N/P

## MSDS Transport Information

**Information:**N/P

## Regulatory Information

**Sara Title III Information:** N/P

**Federal Regulatory Information:** N/P

**State Regulatory Information:** N/P

## Other Information

**Other Information:**N/P



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