



# MATERIAL SAFETY DATA SHEET

**CHROMATE INDUSTRIAL CORPORATION®**

5250-A Naiman Parkway, Solon, OH 44139 • 888-567-2206 • www.chromate.com

**FOR CHEMICAL  
EMERGENCY**

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**1-800-424-9300**

## SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** RED LION HI-TEMP BLACK ENAMEL      **DATE PREPARED:** March 25, 2009  
**PART NUMBER:** 74016  
**PRODUCT TYPE:** SPRAY PAINT      **CHROMATE INDUSTRIAL CORPORATION**  
**CHEM. FAMILY:** MODIFIED RESIN SOLUTION      **5250-A Naiman Parkway, Solon, OH 44139 • (888) 567-2206**

## SECTION 2 – COMPOSITION / DATA ON COMPONENTS

HAZARDOUS INGREDIENTS %		EXPOSURE LIMIT	C.A.S.#	LD <sub>50</sub> , ROUTE,SPECIES	LC <sub>50</sub> ROUTE,SPECIES
ACETONE	30-60	750 ppm	67-64-1	>9750 mg/kg ORAL- RAT	>16,000 ppm (4 hr) INHAL-RAT
TOLUENE	5-10	50 ppm	108-88-3	5000 mg/kg ORAL-RAT	8000 ppm (4 hr) INHAL-RAT
XYLENE	5-10	100 ppm	1330-20-7	4.3 g/kg ORAL-RAT	6350 ppm (4 hr) INHAL-RAT
ETHYLBENZENE	1-5	100 ppm	100-41-4	5460 mg/kg ORAL-RAT	N/A
PROPYLENE GLYCOL- METHYL ETHER ACETATE	1-5	N/E	108-65-6	8500 mg/kg ORA -RAT	>4345 ppm (6 hr) INHAL-RAT
BLACK IRON OXIDE	1-5	10 mg/m <sup>3</sup>	1317-61-9	N/A	N/A
ISOBUTANE	5-10	1000 ppm	75-28-5	N/A	142,500 ppm (4h) INHAL-RAT
PROPANE	10-30	1000 ppm	74-98-6	N/A	N/A

## SECTION 3 – HAZARDS IDENTIFICATION

### ROUTE OF ENTRY

**INGESTION:** May cause headache, nausea, vomiting and weakness.

**INHALATION:** Inhalation of solvents may cause irritation. Propellant is a simple asphyxiant.

**EYE CONTACT:** May cause irritation.

**SKIN ABSORPTION:** No data available for this product mixture.

**SKIN CONTACT:** May cause irritation.

**EFFECTS OF ACUTE EXPOSURE:** Dizziness, nausea, irritation to skin and eyes.

**EFFECTS OF CHRONIC EXPOSURE:** Solvents may cause defatting dermatitis.

**EXPOSURE LIMIT OF MATERIAL:** See Section 2.

## SECTION 4 – FIRST AID MEASURES

**EMERGENCY FIRST AID PROCEDURE:** In case of eye contact, flush immediately with plenty of water for at least 15 minutes and get medical attention. For skin, wash thoroughly with soap and water. If affected by inhalation of vapor of spray mist, remove to fresh air. If swallowed, **DO NOT INDUCE VOMITING.** Get medical attention.

N/A — NOT APPLICABLE  
N/L — NOT LISTED

N/D — NOT DETERMINED

N/E — NONE ESTABLISHED

N/R — NOT REGULATED

**SECTION 5 – FIRE-FIGHTING MEASURES**

**AUTO-IGNITION TEMPERATURE (°C):** 272-527

**SPECIAL PROCEDURES:** Water from fogging nozzles may be used to cool closed containers to prevent build-up if exposed to extreme temperatures. Full protective equipment including self-contained breathing apparatus should be worn in a fire involving this material.

**FLAMMABILITY:** *EXTREMELY FLAMMABLE*

**IF YES, UNDER WHICH CONDITIONS?** Excessive heat, sparks and open flame.

**EXTINGUISHING MEDIA:** Water, Carbon Dioxide, Dry Chemical, Foam.

**FLASH POINT (°C) TAG CLOSED-CUP:** LOWEST KNOWN VALUE IS ACETONE @ -18°C

**UPPER FLAMMABLE LIMIT: (% BY VOLUME):** 15.1

**LOWER FLAMMABLE LIMIT: (% BY VOLUME):** 1.0

**EXPLOSION DATA**

**SENSITIVITY TO DISCHARGE:** N/A

**SENSITIVITY TO IMPACT:** N/A

**HAZARDOUS COMBUSTION PRODUCTS:** Hydrocarbon fumes and smoke. Carbon Monoxide where combustion is incomplete.

**AEROSOL FLAME PROJECTION CLASSIFIED AS:** >15cm BUT <100cm

**FLASHBACK:** None

**SECTION 6 – ACCIDENTAL RELEASE MEASURES**

**LEAK/SPILL:** Remove all sources of ignition. Use an inert absorbent material, and use non-sparking tools. Ventilate area. Prevent from entering a watercourse.

**SECTION 7 – HANDLING AND STORAGE**

**STORAGE NEEDS:** Keep away from heat, sparks and open flames.

**ENGINEERING CONTROLS:** Ventilation-local (Mechanical if used indoors on a continuous basis.)

**HANDLING PROCEDURES AND EQUIPMENT:** Store in a cool, well ventilated area not to exceed 50°C.

**SYNERGISTIC MATERIALS:** None known.

**SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**GLOVES/TYPE:** Wear chemical resistant gloves.

**RESPIRATORY/TYPE:** If used indoors on a continuous basis, use of a cartridge-type respirator (NIOSH/MSHATC 23C or equivalent) is recommended.

**EYE/TYPE:** Safety glasses.

**FOOTWEAR/TYPE:** Not normally required.

**OTHER/TYPE:** Not required.

**SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Aerosol

**ODOR:** Ketone

**VAPOR PRESSURE (PSIG)-AEROSOL@20°C:** 55-65

**EVAPORATION RATE (n-BUTYL ACETATE=1):** >1

**SOLUBILITY IN WATER g/L (20°C):** N/A

**SPECIFIC GRAVITY (LIQUID):** 0.91-0.95

**FREEZING POINT (°C):** N/A

**SPECIFIC GRAVITY (AEROSOL):** 0.77-0.81

**APPEARANCE:** Black

**ODOR THRESHOLD:** N/A

**BOILING POINT (°C):** 57-150

**VAPOR DENSITY (AIR = 1):** >1

**pH:** N/A

**CO-EFFICIENT OF WATER/OIL DISTRIBUTION:** N/A

**AEROSOL PERCENT VOLATILE (BY WEIGHT):** 84-85

**SECTION 10 – STABILITY AND REACTIVITY DATA**

**HAZARDOUS PRODUCTS OF DECOMPOSITION:** Hydrocarbon fumes and smoke. Carbon monoxide where combustion is incomplete.

**CHEMICAL STABILITY:** Yes, under normal conditions.

**COMPATIBILITY WITH OTHER SUBSTANCES:**

**NO, WHICH ONES?** Strong Oxidizing Agents

**REACTIVITY CONDITIONS:** N/A

**HAZARDOUS POLYMERIZATION:** Will not occur.

**SECTION 11 – TOXICOLOGICAL INFORMATION**

**REPRODUCTIVE EFFECTS:** TOLUENE - Prolonged and repeated exposure of pregnant animals to Toluene (levels greater than approximately 1500 ppm) has been reported to cause adverse fetal development effects.

XYLENE - High exposures to Xylene in some animal studies. Often at levels toxic to the mother, affected embryo/fetal development. The significance of this finding is not known.

**IRRITANCY OF MATERIAL:** Skin/Eye Irritant.

**SENSITIZING CAPABILITY OF MATERIAL:** Unknown.

**CARCINOGENICITY / MUTAGENICITY:** XYLENE - This product contains Ethylbenzene (Ethylbenzene is in Xylene). Ethylbenzene has been shown to cause cancer in laboratory animals. Toxicity tests carried out for the chronic effects and mutagenicity have been negative. The relevance of this finding to humans is uncertain, IARC has classified Ethylbenzene as a possible human carcinogen.

**TERATOGENICITY:** No information is available and no adverse teratogenic effects are anticipated.

**SECTION 12 – ECOLOGICAL INFORMATION**

**ENVIRONMENTAL:** N/A

**SECTION 13 – DISPOSAL CONSIDERATIONS**

**WASTE DISPOSAL:** Do not puncture or incinerate containers, even when empty. Dispose of in accordance with local, provincial and federal regulations.

**SECTION 14 – TRANSPORT INFORMATION**

**TDG CLASSIFICATION:** Consumer Commodity (AEROSOLS, UN 1950, Class 2.1)

**SECTION 15 – REGULATIONS****CANADIAN REGULATIONS:****WHMIS CLASSIFICATION:** A,B5,D2A,D2B**CNFC SECTION 3.3.5:** LEVEL 2**CEPA (CANADIAN ENVIRONMENTAL PROTECTION ACT):** All substances in this product are listed on the CANADIAN DOMESTIC SUBSTANCES LIST (DSL) or not required to be listed.**U.S. REGULATIONS:****HMIS RATING HEALTH:** 2 MODERATE HAZARD**HMIS RATING FLAMMABILITY:** 4 SEVERE HAZARD**HMIS RATING REACTIVITY:** 0 MINIMAL HAZARD**HMIS RATING PERSONAL PROTECTION:** B**NFPA CODE 30B:** LEVEL 2**SARA 313 INFORMATION:** THIS PRODUCT CONTAINS THE FOLLOWING SUBSTANCES SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 AND 40 CFR PART 372.

<b>CAS #:</b>	<b>CHEMICAL NAME:</b>
*108-88-3	TOLUENE
*1330-20-7	XYLENE
*100-41-4	ETHYL BENZENE

**CALIFORNIA PROPOSITION 65:** THE FOLLOWING STATEMENT IS MADE IN ORDER TO COMPLY WITH THE CALIFORNIA SAFE DRINKING WATER AND TOXIC ENFORCEMENT ACT OF 1986:**WARNING:** THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER.

<b>CAS #:</b>	<b>CHEMICAL NAME:</b>
*108-88-3	TOLUENE
*100-41-4	ETHYL BENZENE IN XYLENE

**TSCA (Toxic Substances Control Act):** ALL COMPONENT OF THIS PRODUCT ARE LISTED ON THE TSCA INVENTORY. ANY IMPURITIES PRESENT IN THIS PRODUCT ARE EXEMPT FROM LISTING.**VOC (w/w%):** 43-44**V.O.C.(M.I.R.):** COMPLIES WITH CARB MIR =1.85 FOR HIGH TEMPERATURE COATINGS.**SECTION 16 – OTHER INFORMATION**

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