MATERIAL SAFETY DATA SHEET

CHROMATE INDUSTRIAL CORPORATION®
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FOR CHEMICAL EMERGENCY
Call ChemTrec day/night:
1-800-424-9300

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **RED LION OSHA ORANGE ENAMEL**
PART NUMBER: **74192**

DATE PREPARED: APRIL 22, 2009

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SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

% BY WEIGHT	CAS NUMBER	INGREDIENT	UNITS	VAPOR PRESSURE
15	**74-98-6**	**PROPANE**		
		ACGIH TLV	2500 ppm	760 mm
		OSHA PEL	1000 ppm	
7	**106-97-8**	**BUTANE**		
		ACGIH TLV	800 ppm	760 mm
		OSHA PEL	800 ppm	
1	**100-41-4**	**ETHYLBENZENE**		
		ACGIH TLV	100 ppm	7.1 mm
		ACGIH TLV	125 ppm STEL	
		OSHA PEL	100 ppm	
		OSHA PEL	125 ppm STEL	
8	**1330-20-7**	**XYLENE**		
		ACGIH TLV	100 ppm	5.9 mm
		ACGIH TLV	150 ppm STEL	
		OSHA PEL	100 ppm	
		OSHA PEL	150 ppm STEL	
38	**67-64-1**	**ACETONE**		
		ACGIH TLV	500 ppm	180 mm
		ACGIH TLV	750 ppm STEL	
		OSHA PEL	1000 ppm	
11	**78-93-3**	**METHYL ETHYL KETONE**		
		ACGIH TLV	200 ppm	70 mm
		ACGIH TLV	300 ppm STEL	
		OSHA PEL	200 ppm	
		OSHA PEL	300 ppm STEL	
6	**108-65-6**	**1-METHOXY-2-PROPANOL ACETATE**		
		ACGIH TLV	N/A	1.8 mm
		OSHA PEL	N/A	
0.3	**13463-67-7**	**TITANIUM DIOXIDE**		
		ACGIH TLV	10 mg/m^3 as Dust	
		OSHA PEL	10 mg/m^3 Total Dust	
		OSHA PEL	5 mg/m^3 Respirable Fraction	

N/A — NOT APPLICABLE N/D — NOT DETERMINED N/E — NONE ESTABLISHED N/R — NOT REGULATED
N/L — NOT LISTED

SECTION 3 – HAZARDS IDENTIFICATION

ROUTES OF EXPOSURE
INHALATION of vapor or spray mist.
EYE OR SKIN CONTACT with the product, vapor or spray mist.

EFFECTS OF OVEREXPOSURE
EYES: Irritation.
SKIN: Prolonged or repeated exposure may cause irritation.
INHALATION: Irritation of the upper respiratory system.

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death. Prolonged overexposure to solvent ingredients in Section 2 may cause adverse effects to the liver, urinary, blood forming and reproductive systems.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists. Redness and itching or burning sensation may indicate eye or excessive skin exposure.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None generally recognized.
CANCER INFORMATION: For complete discussion of toxicology data refer to Section 11.

SECTION 4 – FIRST AID MEASURES

EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.
SKIN: Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.
INHALATION: If affected, remove from exposure. Restore breathing. Keep warm and quiet.
INGESTION: *DO NOT INDUCE VOMITING.* Get medical attention immediately.

SECTION 5 – FIRE-FIGHTING MEASURES

FLASH POINT	UEL	LEL	EXTINGUISHING MEDIA
Propellant < 0°F	13.1	1.0	Carbon Dioxide, Dry Chemical, Foam

HMIS CODES	HEALTH: 2*	FLAMMABILITY: 3	REACTIVITY: 0

UNUSUAL FIRE AND EXPLOSION HAZARDS: Containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.
SPECIAL FIRE FIGHTING PROCEDURES: Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignition. Ventilate the area. Remove with inert absorbent.

SECTION 7 – HANDLING AND STORAGE

STORAGE CATEGORY: Not Available

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively. During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.
Consult NFPA Code. Use approved Bonding and Grounding procedures. Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120ºF. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause container to burst. Do not take internally. Keep out of the reach of children.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

PRECAUTIONS TO BE TAKEN IN USE: Use only with adequate ventilation. Avoid contact with skin and eyes. Avoid breathing vapor and spray mist. Wash hands after using. This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 2) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 2, the applicable limits for nuisance dusts are:
ACGIH TLV 10 mg/m^3 (total dust), 3 mg/m^3 (respirable fraction),
OSHA PEL 15 mg/m^3 (total dust), 5 mg/m^3 (respirable fraction).

VENTILATION: Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 2 is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION: If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator-approved by NIOSH/MSHA for protection against materials in Section 2. When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

PROTECTIVE GLOVES: None required for normal application of aerosol products where minimal skin contact is expected. For long or repeated contact, wear chemical resistant gloves.

EYE PROTECTION: Wear safety spectacles with unperforated sideshields.

OTHER PRECAUTIONS: Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

SECTION 9 – PHYSICAL / CHEMICAL PROPERTIES

PRODUCT WEIGHT: 6.29 lb/gal 753 g/l
SPECIFIC GRAVITY: 0.76
BOILING POINT: <0°F - 302°F / <-18°C - 150°C
MELTING POINT: N/A
VOLATILE VOLUME: 93%
EVAPORATION RATE: Faster than ether
VAPOR DENSITY: Heavier than air
SOLUBILITY IN WATER: N/A
pH: 7.0
VOLATILE ORGANIC COMPOUNDS: Volatile Weight 50.38% Less Water and Federally Exempt Solvents
(VOC Theoretical - As Packaged)

SECTION 10 – STABILITY AND REACTIVITY

STABILITY: Stable
CONDITIONS TO AVOID: None known.
INCOMPATIBILITY: None known.
HAZARDOUS DECOMPOSITION PRODUCTS: *BY FIRE:* Carbon Dioxide, Carbon Monoxide
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11 – TOXICOLOGICAL INFORMATION

CHRONIC HEALTH HAZARDS:

- Methyl Ethyl Ketone may increase the nervous system effects of other solvents.
- Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.
- Ethylbenzene is classified by IARC as possibly carcinogenic to humans (2B) based on inadequate evidence in humans and sufficient evidence in laboratory animals. Lifetime inhalation exposure of rats and mice to high ethylbenzene concentrations resulted in increases in certain types of cancer, including kidney tumors in rats and lung and liver tumors in mice. These effects were not observed in animals exposed to lower concentrations. There is no evidence that ethylbenzene causes cancer in humans.
- IARC's Monograph No. 93 reports there is sufficient evidence of carcinogenicity in experimental rats exposed to titanium dioxide but inadequate evidence for carcinogenicity in humans and has assigned a Group 2B rating. In addition, the IARC summary concludes, "No significant exposure to titanium dioxide is thought to occur during the use of products in which titanium is bound to other materials, such as paint."

TOXICOLOGY DATA

CAS NO.	INGREDIENT NAME			
74-98-6	PROPANE	LC_{50} RAT	4HR	N/A
		LD_{50} RAT		N/A
106-97-8	BUTANE	LC_{50} RAT	4HR	N/A
		LD_{50} RAT		N/A
100-41-4	ETHYLBENZENE	LC_{50} RAT	4HR	N/A
		LD_{50} RAT		3500 mg/kg
1330-20-7	XYLENE	LC_{50} RAT	4HR	5000 ppm
		LD_{50} RAT		4300 mg/kg
67-64-1	ACETONE	LC_{50} RAT	4HR	N/A
		LD_{50} RAT		5800 mg/kg
78-93-3	METHYL ETHYL KETONE	LC_{50} RAT	4HR	N/A
		LD_{50} RAT		2740 mg/kg
108-65-6	1-METHOXY-2-PROPANOL ACETATE	LC_{50} RAT	4HR	N/A
		LD_{50} RAT		8500 mg/kg
13463-67-7	TITANIUM DIOXIDE	LC_{50} RAT	4HR	N/A
		LD_{50} RAT		N/A

SECTION 12 – ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data available.

SECTION 13 – DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

SECTION 14 – TRANSPORT INFORMATION

US GROUND (DOT)

May be classed as Consumer Commodity, ORM-D
UN1950, AEROSOLS, 2.1, LIMITED QUANTITY, (ERG#126)

CANADA (TDG)

May be classed as Consumer Commodity, ORM-D
UN1950, AEROSOLS, CLASS 2.1, LIMITED QUANTITY, (ERG#126)

IMO

May be shipped as Limited Quantity
UN1950, AEROSOLS, CLASS 2.1, LIMITED QUANTITY, EmS F-D, S-U

SECTION 15 – REGULATORY INFORMATION

SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION

CAS NO.	CHEMICAL/COMPOUND	% BY WT	% ELEMENT
100-41-4	ETHYLBENZENE	1	
1330-20-7	XYLENE	8	

CALIFORNIA PROPOSITION 65

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA CERTIFICATION: All chemicals in this product are listed, or are exempt from listing, on the TSCA Inventory.

SECTION 16 – OTHER INFORMATION

This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR. The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.