MATERIAL SAFETY DATA SHEET

CHROMATE INDUSTRIAL CORPORATION®
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FOR CHEMICAL EMERGENCY
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SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **RED LION SATIN BLACK PAINT**
PART NUMBER: **74011**

PRODUCT TYPE: **PAINT**

DATE PREPARED: SEPTEMBER 12, 2008

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SECTION 2 – COMPOSITION / DATA ON COMPONENTS

CHEMICAL CHARACTERIZATION

Description: Mixture of the substances listed below with nonhazardous additions.

DANGEROUS COMPONENTS:

67-64-1	**Acetone** *Danger:* 2.6/2 *Warning:* 3.3/2A, 3.8/3	25-50%
68476-86-8	**Petroleum Gases, *liquefied, sweetened*** *Danger:* 2.2/1 Warning: 2.5/C	10-25%
108-88-3	**Toluene** *Danger:* 2.6/2; 3.10/1, 3.7/2 *Warning:* 3.2/2, 3.3/2A, 3.8/3	10-25%
110-19-0	**Isobutyl Acetate** *Danger:* 2.6/2	2.5-10%
	ACRYLIC RESIN *Warning:* 3.2/2, 3.3/2A, 3.8/3	2.5-10%
1330-20-7	**Xylene** *Danger:* 3.1.D/3, 3.1.I/4, 3.2/2 *Warning:* 2.6/3	2.5-10%
78-93-3	**Butanone** *Danger:* 2.6/2 *Warning:* 3.3/2A, 3.8/3	1-2.5%
123-86-4	**n-Butyl Acetate** *Warning:* 2.6/3; 3.8/3	1-2.5%

SECTION 3 – HAZARDS INDENTIFICATION

HAZARD DESCRIPTION: Harmful
Extremely Flammable

INFORMATION PERTAINING TO PARTICULAR DANGERS FOR MAN AND ENVIRONMENT:

The product has to be labeled due to the calculation procedure of international guidelines.

WARNING! Pressurized container.
Extremely flammable.
Harmful by inhalation.
Irritating to eyes, respiratory system and skin.
Danger of serious damage to health by prolonged exposure.
Possible risk of harm to the unborn child.

PRESSURIZED CONTAINER: Protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.
92.0 % by mass of the contents are flammable

KEEP OUT OF THE REACH OF CHILDREN.

CLASSIFICATION SYSTEM:

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

NFPA ratings (scale 0 - 4):	**Health: 2**	**Fire: 4**	**Reactivity: 0**
HMIS-ratings (scale 0 - 4):	**Health: 2**	**Fire: 4**	**Reactivity: 0**

GHS LABEL ELEMENTS:

Danger:

2.2/1 - Extremely flammable gas.
2.3/1 - Extremely flammable aerosol.

Warning:

3.7/2 - Suspected of damaging fertility or the unborn child.

Warning:

3.1/4 - Harmful if inhaled.
3.2/2 - Causes skin irritation.
3.3/2A - Causes serious eye irritation.
3.8/3 - May cause respiratory irritation.

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.Keep away from heat/sparks/open flames/hot surfaces. - *NO SMOKING.* Do not spray on an open flame or other ignition source.

Pressurized container: Do not pierce or burn, even after use. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area.Wear protective gloves/protective clothing/eye protection/ face protection. Use personal protective equipment as required.

RESPONSE:

IF ON SKIN: Wash with plenty of soap and water.
IF INHALED: Remove to fresh air and keep at rest in a position comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF EXPOSED OR CONCERNED: Get medical advice/attention. Call a POISON CENTER or doctor/physician if you feel unwell.
SPECIFIC TREATMENT (SEE LABEL):
IF SKIN IRRITATION OCCURS*:* Get medical advice/attention.
IF EYE IRRITATION PERSISTS: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

LEAKING GAS FIRE: Do not extinguish, unless leak can be stopped safely. Eliminate all ignition sources if safe to do so.

STORAGE: Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.

DISPOSAL: Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 4 – FIRST AID MEASURES

GENERAL INFORMATION: Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

After Inhalation: Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.

After Skin Contact: Immediately wash with water and soap and rinse thoroughly.

After Eye Contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

After Swallowing: If symptoms persist consult doctor.

SECTION 5 – FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING AGENTS: CO2, sand, extinguishing powder. Do not use water.

For Safety Reasons Unsuitable Extinguishing Agents: Water with full jet.

Protective Equipment: Mouth respiratory protective device.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Person-Related Safety Precautions: Wear protective equipment. Keep unprotected persons away.

Measures for Environmental Protection: Do not allow to enter sewers/ surface or ground water.

Measures for Cleaning/Collecting: Dispose contaminated material as waste according to item 13. Ensure adequate ventilation. Do not flush with water or aqueous cleansing agents·

SECTION 7 – HANDLING AND STORAGE

HANDLING:

Information for Safe Handling: Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care.

Information about Protection Against Explosions and Fires: Do not spray on a naked flame or any incandescent material. Keep ignition sources away - *DO NOT SMOKE.* Protect against electrostatic charges.

Pressurized Container: Protect from sunlight and do not expose to temperatures exceeding 50°C, (i.e. electric lights.) Do not pierce or burn, even after use.

STORAGE:

Requirements to be Met by Storerooms and Receptacles: Store in a cool location. Observe official regulations on storing packagings with pressurized containers.

Information about Storage in One Common Storage Facility: Store away from oxidizing agents.

Further Information about Storage Conditions: Keep receptacle tightly sealed. Do not gas tight seal receptacle. Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight.

SECTION 8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

Additional Information about Design of Technical Systems: No further data; see item 7.

COMPONENTS WITH LIMIT VALUES THAT REQUIRE MONITORING AT THE WORKPLACE:

67-64-1	**Acetone**	**PEL**	2400 mg/m³, 1000 ppm
		REL	590 mg/m³, 250 ppm
		TLV	*Short-term value:* 1782 mg/m³, 750 ppm *Long-term value:* 1188 mg/m³, 500 ppm
		BEI	
108-88-3	**Toluene**	**PEL**	*Short-term value:* C 300; 500* ppm *Long-term value:* 200 ppm *10-min peak per 8-hr shift
		REL	*Short-term value:* 560 mg/m³, 150 ppm *Long-term value:* 375 mg/m³, 100 ppm
		TLV	75 mg/m³, 20 ppm
110-19-0	**Isobutyl Acetate**	**PEL**	700 mg/m³, 150 ppm
		REL	700 mg/m³, 150 ppm
		TLV	713 mg/m³, 150 ppm
1330-20-7	**Xylene**	**PEL**	435 mg/m³, 100 ppm
		REL	*Short-term value:* 655 mg/m³, 150 ppm *Long-term value:* 435 mg/m³, 100 ppm
		TLV	*Short-term value:* 651 mg/m³, 150 ppm *Long-term value:* 434 mg/m³, 100 ppm
		BEI	
78-93-3	**Butanone**	**PEL**	590 mg/m³, 200 ppm
		REL	*Short-term value:* 885 mg/m³, 300 ppm *Long-term value:* 590 mg/m³, 200 ppm
		TLV	*Short-term value:* 885 mg/m³, 300 ppm *Long-term value:* 590 mg/m³, 200 ppm
		BEI	
123-86-4	**n-Butyl Acetate**	**PEL**	710 mg/m³, 150 ppm
		REL	*Short-term value:* 950 mg/m³, 200 ppm *Long-term value:* 710 mg/m³, 150 ppm
		TLV	*Short-term value:* 950 mg/m³, 200 ppm *Long-term value:* 713 mg/m³, 150 ppm

ADDITIONAL INFORMATION: The lists that were valid during the creation were used as basis.

PERSONAL PROTECTIVE EQUIPMENT:

General Protective and Hygienic Measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Breathing Equipment: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Protection of Hands: Protective gloves. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Material of Gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration Time of Glove Material: The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye Protection: Tightly sealed goggles.

SECTION 9 – PHYSICAL/CHEMICAL CHARACTERISTICS

GENERAL INFORMATION:
Form: Aerosol
Color: According to product specification
Odor: Characteristic

CHANGE IN CONDITION:
Melting Point/Melting Range: N/D
Boiling Point/Boiling Range: < -17°C (< 1°F)
Flash Point: -19°C (-2°F)
Ignition Temperature: 405°C (761°F)
Auto Igniting: Product is not selfigniting.
Danger of Explosion: In use, may form flammable/explosive vapor-air mixture.
Explosion Limits: ***Lower:*** 1.2 Vol %
Upper: 13.0 Vol %
Vapor pressure at 20°C (68°F): 233 hPa (175 mm Hg)
Density at 20°C (68°F): 0.75 g/cm³
Solubility in / Miscibility with Water: Not miscible or difficult to mix.
Solvent Content: ***Organic Solvents:*** 91.9 %
VOC Content: 60.7 %
456.0 g/l / 3.81 lb/gl
Solids Content: 8.1 %

SECTION 10 – STABILITY AND REACTIVITY

THERMAL DECOMPOSITION / CONDITIONS TO BE AVOIDED: No decomposition if used according to specifications.
Dangerous Reactions: No dangerous reactions known.
Dangerous Products of Decomposition:
Nitrogen oxides
Hydrocarbons
Carbon monoxide and carbon dioxide

SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE TOXICITY: LD/LC50 values that are relevant for classification:

108-88-3	**Toluene**	
	Oral	LD50 5000 mg/kg (rat)
	Dermal	LD50 12124 mg/kg (rabbit)
	Inhalative	LC50/4 h 5320 mg/l (mouse)

PRIMARY IRRITANT EFFECT:
ON THE SKIN: Irritant to skin and mucous membranes.
ON THE EYE: Irritating effect.
SENSITIZATION: No sensitizing effects known.

ADDITIONAL TOXICOLOGICAL INFORMATION:
The product shows the following dangers according to internally approved calculation methods for preparations:
Harmful
Irritant

SECTION 12 – ECOLOGICAL INFORMATION

GENERAL NOTES:

Water Hazard Class 3 (Self-assessment): Extremely hazardous for water. Do not allow product to reach ground water, water course or sewage system, even in small quantities. Danger to drinking water if even extremely small quantities leak into the ground.

SECTION 13 – DISPOSAL CONSIDERATIONS

PRODUCT:

Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

UNCLEANED PACKAGINGS:

Recommendation: Disposal must be made according to official regulations.

SECTION 14 – TRANSPORT INFORMATION

DOT REGULATIONS:
Hazard class: 2.1
Identification Number: UN1950
Packing Group: N/L
Proper Shipping Name (Technical Name): AEROSOLS, flammable
LABEL 2.1

Land Transport TDG (Canada) and ADR/RID (Europe):
Hazard Class: 2 5F Gases
UN-Number: 1950
Packaging Group: N/L
LABEL: 2.1
Description of Goods: 1950 AEROSOLS

Maritime Transport IMDG:
IMDG Class: 2.1
UN Number: 1950
LABEL 2.1
Packaging Group: N/L
EMS Number: F-D,S-U
Marine Pollutant: No
Proper Shipping Name: AEROSOLS

Air Transport ICAO-TI and IATA-DGR:
ICAO/IATA Class: 2.1
UN/ID Number: 1950
Label 2.1
Packaging Group: N/L
Proper Shipping Name: AEROSOLS, flammable

UN "Model Regulation": UN1950; AEROSOLS; 2.1

SECTION 15 – REGULATORY INFORMATION

SARA

Section 355 (extremely hazardous substances): None of the ingredient is listed.

Section 313 (Specific toxic chemical listings):

108-88-3	**Toluene**
	ACRYLIC RESIN
1330-20-7	**Xylene**
78-93-3	**Butanone**
67-56-1	**Methanol**
100-41-4	**Ethylbenzene**

TSCA (Toxic Substances Control Act):

67-64-1	**Acetone**
68476-86-8	**Petroleum Gases, *liquefied, sweetened***
108-88-3	**Toluene**
110-19-0	**Isobutyl Acetate**
1330-20-7	**Xylene**
78-93-3	**Butanone**
123-86-4	**n-Butyl Acetate**
1333-86-4	**Carbon Black**
68611-44-9	**Silane Modified Silica**
111-76-2	**2-Butoxyethanol**
68855-54-9	**Kieselguhr, *soda ash flux-calcined***
67-56-1	**Methanol**
100-41-4	**Ethylbenzene**
7732-18-5	**Water, *distilled, conductivity or of similar purity***

PROPOSITION 65

Chemicals known to cause cancer:

1330-20-7	**Xylene**
1333-86-4	**Carbon Black**
68855-54-9	**Kieselguhr, *soda ash flux-calcined***
100-41-4	**Ethylbenzene**

Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

108-88-3	**Toluene**

CARCINOGENICITY CATEGORIES

EPA (Environmental Protection Agency)

67-64-1	**Acetone**	**D**
108-88-3	**Toluene**	**D**
1330-20-7	**Xylene**	**D**
78-93-3	**Butanone**	**D**
100-41-4	**Ethylbenzene**	**D**

IARC (International Agency for Research on Cancer)

108-88-3	**Toluene**	**3**
1330-20-7	**Xylene**	**3**
1333-86-4	**Carbon Black**	**2B**
111-76-2	**2-Butoxyethanol**	**3**
68855-54-9	**Kieselguhr, *soda ash flux-calcined***	**GROUP 1**
9002-88-4	**POLYETHYLENE**	**3**
100-41-4	**Ethylbenzene**	**2B**

SECTION 15 – CONTINUED

NTP (National Toxicology Program)

68855-54-9	**Kieselguhr, *soda ash flux-calcined***	**HUMAN CARCINOGEN**

TLV (Threshold Limit Value established by ACGIH)

67-64-1	**Acetone**	**A4**
108-88-3	**Toluene**	**A4**
1330-20-7	**Xylene**	**A4**
1333-86-4	**Carbon Black**	**A4**

NIOSH-Ca (National Institute for Occupational Safety and Health)

1333-86-4	**Carbon Black**

OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients is listed.
Product Related Hazard Informations: The product has been classified and marked in accordance with directives on hazardous materials.
Hazard Symbols: Harmful
Extremely flammable
Hazard-Determining Components of Labelling: Toluene
Risk Phrases: Extremely flammable.
Harmful by inhalation.
Irritating to eyes, respiratory system and skin.
Danger of serious damage to health by prolonged exposure.
Possible risk of harm to the unborn child.
Safety Phrases: Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer). Wear suitable protective clothing and gloves. Use only in well-ventilated areas. This material and its container must be disposed of as hazardous waste.
Special Labeling of Certain Preparations: Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, (i.e. electric lights.) Do not pierce or burn, even after use.
92.0 % by mass of the contents are flammable
KEEP OUT OF THE REACH OF CHILDREN.

SECTION 16 – OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. · Department issuing MSDS: Environment protection department.

ABBREVIATIONS AND ACRONYMS:

ADR: Accord européen sur le transport des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
RID: Reglement internationale concernent le transport des merchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
GHS: Globally Harmonized System of Classification and Labeling of Chemicals
ACGIH: American Conference of Governmental Industrial Hygienists
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent