



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: PRO-COAT OSHA BLUE ENAMEL

DATE PREPARED: APRIL 29, 2009

PART NUMBER: 74198

CHROMATE INDUSTRIAL CORPORATION

PRODUCT TYPE: PAINT

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SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

% BY WEIGHT	CAS NUMBER	INGREDIENT	UNITS	VAPOR PRESSURE
14	74-98-6	PROPANE	ACGIH TLV 2500 ppm OSHA PEL 1000 ppm	760 mm
6	106-97-8	BUTANE	ACGIH TLV 800 ppm OSHA PEL 800 ppm	760 mm
1	100-41-4	ETHYLBENZENE	ACGIH TLV 100 ppm ACGIH TLV 125 ppm STEL OSHA PEL 100 ppm OSHA PEL 125 ppm STEL	7.1 mm
7	1330-20-7	XYLENE	ACGIH TLV 100 ppm ACGIH TLV 150 ppm STEL OSHA PEL 100 ppm OSHA PEL 150 ppm STEL	5.9 mm
37	67-64-1	ACETONE	ACGIH TLV 500 ppm ACGIH TLV 750 ppm STEL OSHA PEL 1000 ppm	180 mm
14	78-93-3	METHYL ETHYL KETONE	ACGIH TLV 200 ppm ACGIH TLV 300 ppm STEL OSHA PEL 200 ppm OSHA PEL 300 ppm STEL	70 mm
3	108-10-1	METHYL ISOBUTYL KETONE	ACGIH TLV 50 ppm ACGIH TLV 75 ppm STEL OSHA PEL 50 ppm OSHA PEL 75 ppm STEL	16 mm
6	108-65-6	1-METHOXY-2-PROPANOL ACETATE	ACGIH TLV N/A OSHA PEL N/A	1.8 mm
0.8	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/L — NOT LISTED

N/D — NOT DETERMINED

N/E — NONE ESTABLISHED

N/R — NOT REGULATED

SECTION 3 – HAZARDS IDENTIFICATION

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

ROUTES OF EXPOSURE

INHALATION of vapor or spray mist.

EYE OR SKIN CONTACT with the product, vapor or spray mist.

EFFECTS OF OVER-EXPOSURE

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: Propellant < 0°F

LEL: 1.0

UEL: 13.1

EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam.

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 120°F. 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/m³ (total dust),
 3 mg/m³ (respirable fraction),
 OSHA PEL 15 mg/m³ (total dust),
 5 mg/m³ (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: 6.35 lb/gal 760 g/l

BOILING POINT: <0 - 302°F <-18 - 150°C

VOLATILE VOLUME: 93%

VAPOR DENSITY: Heavier than air

pH: 7.0

SPECIFIC GRAVITY: 0.76

MELTING POINT: N/A

EVAPORATION RATE: Faster than ether

SOLUBILITY IN WATER: N/A

VOLATILE ORGANIC COMPOUNDS (VOC Theoretical - As Packaged): Volatile Weight 51.92% Less Water and Federally Exempt Solvents

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	NOT AVAILABLE
		LD ₅₀ RAT		NOT AVAILABLE
106-97-8	BUTANE	LC ₅₀ RAT	4HR	NOT AVAILABLE
		LD ₅₀ RAT		NOT AVAILABLE
100-41-4	ETHYLBENZENE	LC ₅₀ RAT	4HR	NOT AVAILABLE
		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	NOT AVAILABLE
		LD ₅₀ RAT		5800 mg/kg
78-93-3	METHYL ETHYL KETONE	LC ₅₀ RAT	4HR	NOT AVAILABLE
		LD ₅₀ RAT		2740 mg/kg
108-10-1	METHYL ISOBUTYL KETONE	LC ₅₀ RAT	4HR	NOT AVAILABLE
		LD ₅₀ RAT		2080 mg/kg
108-65-6	1-METHOXY-2-PROPANOL ACETATE	LC ₅₀ RAT	4HR	NOT AVAILABLE
		LD ₅₀ RAT		8500 mg/kg
13463-67-7	TITANIUM DIOXIDE	LC ₅₀ RAT	4HR	NOT AVAILABLE
		LD ₅₀ RAT		NOT AVAILABLE

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

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

N/D — NOT DETERMINED

N/E — NONE ESTABLISHED

N/R — NOT REGULATED

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	7	
108-10-1	METHYL ISOBUTYL KETONE	3	

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.