

HAZARDS IDENTIFICATION

Permissible exposure limits for product: Not established for product. See Section II.

ROUTE OF ENTRY AND EFFECTS OF OVEREXPOSURE:

Route of Entry: Inhalation and dermal

Inhalation: Vapor and mist will irritate nose, throat and respiratory tract. High vapor concentration may cause dizziness, drowsiness and fatigue.

Eye Contact: Vapor, mist or liquid is severely irritating to eyes and cause blurred vision, redness and tearing.

Skin Contact: Liquid can cause severe skin irritation with drying, defatting, splitting and cracking on repeated contact.

Ingestion: Liquid can cause irritation of gastro-intestinal tract followed by nausea and vomiting, abdominal discomfort and rapid pulse.

Delayed Effects: Repeated overexposure may cause central nervous systems depression, and kidney/liver damage.

Contains an ingredient listed as known or suspected carcinogen?

NTP: Yes OSHA: No IARC: Yes

FIRST AID MEASURES

EYE CONTACT: For eye contact, immediately flush eyes for at least 15 minutes with running water. Hold eyelids apart to ensure rinsing of the entire eye surface and lids with water. Get immediate medical attention.

SKIN CONTACT: Wipe excess material with dry towel. Then wash exposed areas with plenty of water and soap if available, for several minutes. Get medical attention if irritation occurs.

INHALATION: If inhaled, remove from area to fresh air. If not breathing, give artificial respiration. Get immediate medical attention. If breathing is difficult, transport to medical facility and if available, give supplemental oxygen.

INGESTION: If swallowed dilute by giving two (2) glasses of water to drink. Get immediate medical attention. Never give anything by mouth to an unconscious person.

GENERAL: In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

FIRE AND EXPLOSION DATA

FLASHPOINT: 22°F -5.56°C METHOD: Seta flash

LEL (%): UNKNOWN UEL (%): N/Av

FLAMMABILITY CLASSIFICATION: Flammable

FIRE AND EXPLOSION HAZARDS: Decomposition and combustion products may be hazardous. High temperatures may cause pressure build-up in closed containers. Vapors may accumulate in inadequately ventilated or confined areas. Vapors may form explosive mixture with air. Vapors are heavier than air and may travel long distances. Flashback or flame to the handling site may occur. Closed containers may explode when exposed to extreme heat.

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam.

FIRE FIGHTING PROCEDURES: Water spray may be ineffective. Cool fire exposed containers with water. Fog nozzles are preferable. Wear NIOSH/MSHA approved self-contained breathing apparatus and complete protective clothing to prevent contact with skin and eyes.

ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Remove all ignition sources. Wear an air-supplied respirator for an unventilated spill. Dike and cover spill with non-oxidizable absorbent. Scoop into containers. Sprinkle sodium Thiosulfate on the residue and work in. Scoop into disposal container. Clean up with water. Wear appropriate personal protective equipment (see section VIII).

HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container tightly closed. Store in a dry location. Wear proper personal protective equipment (See section VIII). Wash thoroughly after handling and before smoking or eating.

EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: Good general mechanical ventilation.

RESPIRATORY PROTECTION: When spraying or applying in any circumstances likely to produce airborne levels of solvent vapors in excess of the TLV, use an organic vapor cartridge or air supplied respirator.

EYE PROTECTION: Chemical goggles or full-face shield

SKIN PROTECTION: Solvent resistant gloves.

GENERAL: Safety shower, eye wash station and washing facilities should be available. When using in circumstances where skin contact is likely, use complete protection garments.

PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE AND APPEARANCE: Liquid, yellow

LOW BOILING POINT: 175°F / 79.44°C

HIGH BOILING POINT: 312°F / 155.54°C

EVAPORATION RATE: UNKNOWN

VAPOR DENSITY: Heavier than air

% VOLATILES BY VOLUME: 56.3

SPECIFIC GRAVITY: 1.194

LIQUID DENSITY: Heavier than water

WEIGHT PER GALLON: 9.95

VOC (GR/L): 543

VOC (GR/L, COMBINED): 644

STABILITY AND REACTIVITY DATA

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

INCOMPATIBILITY: Strong oxidizing agents, acids, alkalis, and water

CONDITIONS TO AVOID: See incompatibilities above

HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon and nitrogen, chromium compounds.

TOXICOLOGICAL INFORMATION

ACUTE ORAL, DERMAL AND INHALATION EFFECTS (LD50 AND LC50):

CAS NUMBER	LD50	LC50
119796-38-2	N/AV.	N/AV.
000123-86-4	10770 mg/kg, oral, rat	2000 ppm, rat, 4hr
000078-93-3	2740 mg/kg, oral, rat	11700 ppm, rat, 4hr
014808-60-7	5000 mg/kg, oral, rat	N/AV.
007789-06-2	3118 mg/kg, oral, rat	N/AV.
000108-94-1	1340 mg/kg, oral, rat	2639 ppm, rat, 4hr
000071-36-3	1500 mg/kg, oral, rat	8000 ppm, rat, r hr

CARCINOGENICITY:

Chromium Compounds (Strontium Chromate): NTP and IARC have determined that there is sufficient evidence for the carcinogenicity of hexavalent chromium compounds both in humans and experimental animals. Prolonged or repeated inhalation of chromate containing mist or fume may cause ulceration and perforation of nasal septum. Prolonged inhalation may cause liver damage. Prolonged or repeated eye contact may cause conjunctivitis and skin contact, especially with broken skin, may cause "chrome sores".

Crystalline Silica (Quartz): Crystalline silica dust in its neat form is on the IARC monographs on the evaluation of the carcinogenic risk of chemicals to humans (Volume 42, 1987) concludes that there is sufficient evidence for the carcinogenicity of crystalline silica to experimental animals, and there is limited evidence of the carcinogenicity of crystalline silica to humans. IARC Class 2A.

Notice: There is no data available on the product itself.

ECOLOGICAL INFORMATION

Notice: There are no data available on the product itself.

DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: When disposing of this material, ensure that it is packaged, stored, transported and otherwise handled in accordance with local, state and federal regulations.

EPA Waste Numbers: D-001 (Ignitable)
D-007 (Chromium)

TRANSPORT INFORMATION

DOT (NON-BULK):

PROPER SHIPPING NAME: PAINT
HAZARD CLASS: 3
UN NUMBER: UN1263
PACKING GROUP: II
LABEL: FLAMMABLE LIQUID
SPECIAL NOTES: NONE

OTHER REGULATORY INFORMATION

TSCA SECTION 8(b) – INVENTORY STATUS: All ingredients in this product are listed in the TSCA Inventory or are exempt from listing.

CANADIAN EPA – DSL INVENTORY STATUS: The DSL status of this product is unknown at this time.

SARA TITLE III SECTION 313 – TOXIC CHEMICAL LIST (TCL): This product contains a toxic chemical for routine annual "Toxic Chemical Release Reporting" under section 313 (40 CFR 372). This information must be included in all MSDS's copied or distributed for this product.

000071-36-3 n-Butyl Alcohol
000078-93-3 Methyl Ethyl Ketone
007789-06-2 Strontium Chromate

SARA TITLE II SECTION 302 – CERCLA: This product contains no chemical regulated under Section 302 as extremely hazardous chemicals for emergency release notification (CERCLA List).

000071-36-3	n-Butyl Alcohol	5000
000078-93-3	Methyl Ethyl Ketone	5000
000108-94-1	Cyclohexanone	5000
000123-86-4	n-Butyl Acetate	5000
007789-06-2	Strontium Chromate	10

CALIFORNIA PROPISITION 65 REPORTABLE INGREDIENTS: Chemicals known by the state of CA to cause cancer: This product contains the following chemical which is known to the state of California to cause cancer.

007789-060-2 Strontium Chromate
014808-60-7 Crystalline Silica Quartz

Chemicals know by the state of CA to cause reproductive toxicity: This product does not contain any chemicals currently on the California list of know Reproductive Toxins.

TSCA Section 12(b) – Export Notification: This product contains the following chemicals that required annual or one time export notification per chemical and per country.
000123-86-4 n-Butyl Acetate

CLEAN AIR ACT: Hazardous Air Pollutants (CAA Section 112): This product contains the following chemicals regulated under Section 112 for National Emission Standards of Hazardous Air Pollutants notification.

000078-93-3 Methyl Ethyl Ketone

7789-6-2 Strontium Chromate

PENNSYLVANIA RIGHT TO KNOW – REPORTABLE INGREDIENTS: The following is required composition information. Also, review Section II for additional information for other chemicals.

000071-36-3 n-Butyl Alcohol

000078-93-3 Methyl Ethyl Ketone

000108-94-1 Cyclohexanone

000123-86-4 n-Butyl Acetate

007780-06-2 Crystalline Silica Quartz

NEW JERSEY RIGHT TO KNOW – REPORTABLE INGREDIENTS: The following is required composition information. Also, review Section II for additional information for other chemicals.

000071-36-3 n-Butyl Alcohol

000078-93-3 Methyl Ethyl Ketone

000108-94-1 Cyclohexanone

000123-86-4 n-Butyl Acetate

007780-06-2 Crystalline Silica Quartz