



# MATERIAL SAFETY DATA SHEET

CHROMATE INDUSTRIAL CORPORATION®

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

**FOR CHEMICAL  
EMERGENCY**

Call ChemTrec day/night:  
**1-800-424-9300**

## SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: CONTACT CLEANER E.S.

DATE PREPARED: APRIL 27, 2009

PART NUMBER: 74180

CHROMATE INDUSTRIAL CORPORATION

PRODUCT TYPE: AEROSOL CLEANER

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## SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	% BY WEIGHT	OSHA PEL	ACGIH TLV	STEL	CAS #
1,1-DICHLORO- 1-FLUOROETHANE	93	N/E	N/E	N/D	1717-00-6
METHANOL	4	200 ppm (skin)	200 ppm (skin)	250 ppm (skin)	67-56-1
CARBON DIOXIDE	3	5000 ppm	5000 ppm	N/D	124-38-9

\* An asterisk (\*) indicates the toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR 372.

## SECTION 3 – HAZARDS IDENTIFICATION

NFPA RATING: HEALTH: 3 FLAMMABILITY: 0 REACTIVITY: 0 SPECIFIC: 0  
HMIS RATING: HEALTH: 3 FLAMMABILITY: 0 REACTIVITY: 0 PERSONAL PROTECTION: B

PRIMARY ROUTES OF ENTRY: INHALATION, SKIN, EYES

EFFECTS OF OVEREXPOSURE:

**INHALATION:** May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death. Headache, dizziness, nausea and loss of coordination are indications of excessive exposure to vapors or spray mists.

**SKIN CONTACT:** Redness and itching or burning sensation may indicate excessive skin exposure.

**EYE CONTACT:** Irritation. Redness and itching or burning sensation may indicate excessive eye exposure.

**MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:** None generally recognized.

**CHRONIC HEALTH HAZARDS:** Prolonged overexposure to solvent ingredients in Section II may cause adverse effects to the liver and urinary systems. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

## SECTION 4 – FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES:

**INHALATION:** If affected, remove from exposure. Restore breathing. Keep warm and quiet.

**INGESTION:** Get medical attention.

**SKIN CONTACT:** Wash affected area thoroughly with soap and water. Remove contaminated clothing and launder before re-use.

**EYE CONTACT:** Flush eyes with large amounts of water for 15 minutes. Get medical attention.

## SECTION 5 – FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USE): N/A FLAMMABLE LIMITS: LEL: N/A UEL: N/A

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, foam.

**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 auto-ignition or explosion when exposed to extreme heat.

**UNUSUAL AND EXPLOSION HAZARDS:** Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode (due to build-up of pressure) 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.

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

N/D — NOT DETERMINED

N/E — NONE ESTABLISHED

N/R — NOT REGULATED



**SECTION 11 – TOXICOLOGICAL INFORMATION**

**EYE:** No data available.  
**SKIN:** No data available.  
**INGESTION:** No data available.  
**INHALATION:** No data available.  
**SUBCHRONIC:** No data available.

**CHRONIC CARCINOGENICITY**

**NTP:** N/L                      **IARC MONOGRAPH:** N/L                      **OSHA REGULATED:** N/R

**TERATOLOGY:** No data available.  
**REPRODUCTION:** No data available.  
**MUTAGENICITY:** No data available

**SECTION 12 – ECOLOGICAL INFORMATION**

**ECOTOXICOLOGICAL INFORMATION:** No data available.  
**CHEMICAL FATE INFORMATION:** No data available.

**SECTION 13 – DISPOSAL CONSIDERATIONS**

**RCRA HAZARD CLASS:** No data available.  
**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 and Local regulations regarding pollution.

**SECTION 14 –TRANSPORT INFORMATION**

**TRANSPORTATION REQUIREMENTS (49CFR172-101)**  
**D.O.T. CLASSIFICATION:** Consumer Commodity ORM-D                      **D.O.T. SHIPPING NAME:** None

**SECTION 15 –REGULATORY INFORMATION**

**EXPOSURE LIMITS:** No data available.

**SECTION 16 –OTHER INFORMATION**

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in this MSDS. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.