

# 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. PART NUMBER: 74180 DATE PREPARED: APRIL 27, 2009

#### CHROMATE INDUSTRIAL CORPORATION

5250-A Naiman Parkway, Solon, OH 44139 • (888) 567-2206

## PRODUCT TYPE: AEROSOL CLEANER

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 CARBON DIOXIDE	4 3	200 ppm (skin) 5000 ppm	200 ppm (skin) 5000 ppm	250 ppm (skin) N/D	67-56-1 124-38-9			

\* 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.<br/>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	I/A FLAMMABLE LIMITS:	LEL: N/A	UEL: N/A	
EXTINGUISHING MEDIA: Carbon	dioxide, dry chemical, foam.			
FIRE FIGHTING PROCEDURES: Fu	ull protective equipment including self-cor	ntained breathing appa	aratus should be used. Water spray r	may be
in	effective. If water is used, fog nozzles are	e preferrable. Water ma	ay be used to cool closed containers	s to
pr	revent pressure build-up and possible aut	to-ignition or explosion	when exposed to extreme heat.	
UNUSUAL AND EXPLOSION HAZA	ARDS: Isolate from heat, electrical equip	ment, sparks and oper	n flame. Closed containers may expl	lode
	(due to build-up of pressure) whe	n exposed to extreme	heat. Application to hot surfaces req	quires
	special precautions. During emer	gency conditions overe	exposure to decomposition products	may
	cause a health hazard. Symptom	s may not be immediat	tely apparent. Obtain medical attention	ion.

## SECTION 6 – ACCIDENTAL RELEASE MEASURES

SPILLS OR LEAKS: Remove all sources of ignition. Ventilate and remove with inert absorbent.

#### SECTION 7 – HANDLING AND STORAGE

SPECIAL PRECAUTIONS: Keep away from heat, sparks or 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. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

PRECAUTIONS TO BE TAKEN IN USE: Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

**RESPIRATORY PROTECTION:** If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted

organic vapor/particular respirator approved by NIOSH/MSHA for protection against materials in Section II. **EYE PROTECTION:** Wear safety spectacles with unperforated sideshields.

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

**EXPOSURE GUIDELINES:** Local exhaust preferable. General exhaust accceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

# SECTION 9 – PHYSICAL / CHEMICAL PROPERTIES

BOILING POINT: <0°F to 150°F VAPOR PRESSURE PSIG at 70°F: N/D VAPOR DENSITY (AIR = 1): Heavier than air SOLUBILITY IN WATER: N/A PERCENT VOLATILE BY VOLUME: 100% APPEARANCE AND ODOR: Clear, Solvent 

 PRODUCT WEIGHT: 10.02 lb./gal.

 SPECIFIC GRAVITY (H<sub>2</sub>O = 1): 1.21

 MELTING POINT: N/A
 pH: N/A

 EVAPORATION RATE (BUTYL ACETATE = 1): Faster than ether

 VOLATILE WEIGHT: 3.88% (less Federally Exempt Solvents)

 FORM: Liquid
 VOLATILE COMPONENTS: N/D

## **SECTION 10 – STABILITY AND REACTIVITY**

 STABILITY:
 Stable

 CONDITIONS TO AVOID:
 None known.

 HAZARDOUS POLYMERIZATION:
 Will not occur.

 INCOMPATIBILITY (MATERIALS TO AVOID):
 None known.

 HAZARDOUS DECOMPOSITION OR BYPRODUCTS:
 BY FIRE: carbon dioxide, carbon monoxide.

# **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.