



MATERIAL SAFETY DATA SHEET

WHMIS AND SAFE HANDLING AND DISPOSAL INFORMATION

ISSUE DATE: 07/24/03

PRODUCT NAME: PR-3500

HAZ CLASS: COR

SUPERSEDES: 01/10/02

PRODUCT TYPE: Paint Remover

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SECTION I - COMPANY IDENTIFICATION AND EMERGENCY CONTACTS

ELDORADO CHEMICAL CO, INC.

TELEPHONE: (210) 653-9323 8AM-5PM (CST) M-F

14350 LOOKOUT ROAD

NON-OFFICE HOURS: (800) 255-3924

SAN ANTONIO, TX 78233

EMAIL: techsupport@eldoradochem.com

PREPARED BY TECH SERVICE - JMJ

TRANSPORTATION AND CHEMICAL EMERGENCY: CHEMTEL - 800-255-3924

SECTION II - COMPOSITION INFORMATION ON INGREDIENTS

DESIGNATIONS	CAS NO	WT% IN PRODUCT	HEALTH EFFECT/TOXICITY
Dichloromethane	75-09-2	50%	TOX / (Inhalation, rat) LC50: 52 g/M3
Phenols	108-95-2	15%	TOX / (Oral, rat) LD50: 530 mg/Kg
Sodium Chromate	07751-11-3	0.8%	CAR / (Oral, rat) LD50: 52 mg/Kg

SECTION III - HAZARDS IDENTIFICATION

ACUTE EFFECTS OF OVEREXPOSURE:

Corrosive to skin and eyes. Prolonged eye contact may cause permanent tissue damage. Skin contact produces pain and burns. Inhalation may cause numb lips, sore throat, dizziness; and unconsciousness/death with prolonged overexposure. Ingestion may cause gastrointestinal complications, burns, and drunkenness.

CHRONIC EFFECTS OF OVEREXPOSURE:

Repeated or prolonged skin contact may produce dermatitis and scarring. Absorption of product may lead to systemic kidney and liver damage.

ESTIMATED PEL/TLV: 25 ppm

PRIMARY ROUTES OF ENTRY: SKIN, INH, ING

HMIS CODE: HEALTH 3*; FLAMMABILITY 0; PHYSICAL HAZARD 0; PPE CODE E; CHRONIC HAZARD: Yes

SECTION IV - FIRST AID MEASURES:

SKIN : Flush contaminated skin with plenty of water. Consult a physician to treat burns.

EYES : Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

INHALE: Move exposed person to fresh air. If not breathing, give artificial respiration. Get medical attention.

INGEST: If this product is swallowed, do not induce vomiting. If victim is conscious give plenty of water to drink. Get medical attention at once.

SECTION V - FIRE FIGHTING MEASURES

FLASH POINT(F): None to boiling Method Used: PMCC

FLAMMABLE LIMITS LEL: N/A UEL: N/A

EXTINGUISHING MEDIA : Carbon dioxide, dry chemical, water fog, or foam.

SPECIAL FIRE FIGHTING: Wear self-contained positive pressure breathing apparatus.

UNUSUAL FIRE HAZARDS : Keep drums cool with water spray.

EXPLOSION DATA : None

SECTION VI - ACCIDENTAL RELEASE MEASURES

Observe safety procedures in Sections VII & VIII during clean-up. Make sure ventilation is adequate. Absorb spill on inert absorbent material. Pick up and place residue in a suitable waste container. Allow wet residue to dry. Mop and rinse remaining residue.

SECTION VII - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN WHEN HANDLING AND STORING:

CAUTION! Corrosive to skin and eyes.

Do not use in enclosed space.

Avoid contact with skin and eyes with protective clothing.

Do not use near internal combustion engines or open flames.

Open containers slowly to relieve pressure buildup.

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SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION INFORMATION

EXPOSURE LIMITS: OSHA PEL/STEL ACGIH TLV/STEL

Dichloromethane	25 ppm	50 ppm	(IDLH >2000 ppm)
Phenol	5 ppm	5 ppm	
Sodium Chromate	0.1 ppm	0.05 ppm	

PROTECTIVE CLOTHING : Rubber aprons, boots, and gloves. (Avoid all skin contact)

EYE PROTECTION : Wear tight-fitting safety goggles and face shield for transfer and application of material.

RESPIRATORY PROTECTION: Use engineering controls to reduce emission levels below the time weighted exposure limits. Wear an approved respirator if exposure limits are exceeded

VENTILATION : Use mechanical ventilation or local exhaust to keep vapor concentration below exposure limits.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT (F)	: >115°F	VAPOR DENSITY (AIR=1):	2.9
SPECIFIC GRAVITY	: 1.15	PH (AS IS)	: 9.2
VAPOR PRESSURE (MMHG)	: 80mm@20°C	VOC CONTENT (AS IS)	: 848 g/L
EVAPORATION RATE (WATER=1)	: <1	APPEARANCE AND ODOR	: Thick, yellow liquid; Pungent, phenol odor
SOLUBILITY IN WATER	: Partial		

SECTION X - STABILITY AND REACTIVITY DATA

STABILITY : Stable

INCOMPATIBILITY(AVOID) : Heat, flame, sparks, strong alkalis and/or oxidizers.

POLYMERIZATION : Will not occur.

HAZARDOUS DECOMPOSITION: Combustion of product by internal combustion motors or fires may produce phosgene, carbon monoxide, and other toxic chlorine containing products.

SECTION XI AND XII - TOXOLOGICAL AND ECOLOGICAL INFORMATION

Dichloromethane and sodium chromate are listed as suspected or confirmed human carcinogens. Entry of this product in water ways (streams, ponds) may be toxic to marine animals. Additional toxicological information on the product is not available.

SECTION XIII - DISPOSAL CONSIDERATIONS

Liquid wastes are not permitted in landfills. This product, when unusable, is considered a hazardous waste under RCRA. Unusable liquid may be absorbed on an inert absorbent material, drummed, and taken to a chemical or industrial landfill. Consult local, provincial, and federal agencies for proper disposal method in your area.

RCRA HAZ. WASTE NOS.: D007, U188, and U080

SECTION XIV & XV - TRANSPORTATION AND REGULATORY INFORMATION

TDG/DOT PROPER SHIP NAME: Corrosive Liquid, NOS (Phenol and Dichloromethane), 8, UN-1760, II

TDG/DOT HAZARD CLASS: 8

TDG/DOT PACKING GROUP: II

TDG/DOT I.D. NUMBER : UN-1760

TDG/DOT LABEL/PLACARD: Corrosive Liquid

WHMIS CLASSIFICATION: D1B (Toxic), and E (Corrosive).



EPA TSCA CHEMICAL INVENTORY - ALL INGREDIENTS ARE LISTED

EPA CWA 40CFR PART 117 (RQ): Dichloromethane 1000 lbs, Sodium Chromate 10 lbs

SECTION XVI - OTHER INFORMATION

SPECIFICATION:

MIL-R-81294D, TY I/II/IV, CL 1; T.O. 1-1-8

NATIONAL STOCK NUMBER: 8010-00-348-7716, 5 GAL CN; 8010-01-023-0343, 55 GAL DR

CAGE CODE: 55208

HMRA ID: 3985

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MSDS FORMAT EXPLANATION, TERMS, AND ABBREVIATIONS

SECTION I: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION – Identifies the labeled product, synonyms, identifiable part numbers, and the name, address, and phone and emergency contact numbers for Eldorado Chemical Company.

SECTION II: COMPOSITION INFORMATION ON HAZARDOUS INGREDIENTS – Identifies all hazardous ingredients in the material.

CAR: Carcinogen - A chemical listed by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC) or OSHA as a definite or possible human cancer causing agent.

CAS#: Chemical Abstract Services Registry Number - A universally accepted numbering system for chemical substances.

CNS: Central Nervous System depressant which reduces the activity of the brain and spinal cord.

COR: Corrosive - Causes irreversible injury to living tissue (e.g. burns).

DESIGNATIONS: Chemical names of hazardous ingredients.

EIR: Eye Irritant Only - Causes reversible reddening and/or inflammation of eye tissues.

FBL: Flammable - At temperatures less than 100°F, chemical gives off enough vapors to ignite if a source of ignition is present as tested with a closed cup tester.

HAZARDOUS INGREDIENTS: Chemical substances determined to be potential health or physical hazards based on the criteria established in the OSHA Hazard Communication Standard - 29 CFR 1910.1200

HDX: Highly toxic - the probable lethal dose for a 70 kg (150 lb.) man, which may be approximated as less than 6 teaspoons (2 tablespoons)

IRR: Irritant - Causes reversible effects in living tissues (e.g. inflammation) - primarily skin and eyes.

N/A: Not Applicable - Category is not appropriate for this product.

N/D: Not Determined - Insufficient information to make a determination for this item.

SEN: Sensitizer - Causes allergic reaction after repeated exposure.

TOX: Toxic - The probable lethal dose for a 70 kg (150 kg) man is one ounce (2 tablespoons) or more.

SECTION III: HAZARD IDENTIFICATION – Discusses the health effects and symptoms a person may encounter when exposed to the material.

ACUTE EFFECT: An adverse effect on the human body from a single exposure with symptoms developing almost immediately after exposure or within a relatively short time.

CHRONIC EFFECT: Adverse effects that are most likely to occur from repeated exposure over a long period of time.

HMSIS® CODES: Hazardous Material Identification System - a rating system developed, by the National Paint & Coating Association for estimating the hazard potential of a chemical under normal workplace conditions. A numerical rating given in each of three hazard areas (Health/Flammability/Physical Hazard) ranging from a low of zero to a high of 4. The presence of a chronic hazard is indicated by a "YES".

PRIMARY ROUTES OF ENTRY: The way one or more hazardous ingredients may enter the body and cause a generalized-systemic or specific-organ toxic effect.

ING – Exposure through swallowing of material.

INH – Exposure through breathing of vapors.

SKIN – Exposure through contact/absorption with the skin.

EYES – Exposure through contact/absorption with the eyes.

SECTION IV: FIRST AID MEASURES – Describes the first aid procedures for each route of entry.

SECTION V: FIRE FIGHTING MEASURES – Describes information about the fire and explosive properties of the product, and the fire fighting and extinguishing methods.

PMCC: Flash point determined by the Pensky Martin Closed Cup method, ASTM D93

SECTION VI: ACCIDENTAL RELEASE MEASURES – Describes how to respond to product spills or leaks, and protective equipment required when containing the spill.

SECTION VII: HANDLING AND STORAGE – A list of general warnings to describe safe storage conditions and other conditions to safely handle the material.

SECTION VIII: EXPOSURE CONTROLS AND PERSONAL PROTECTION – Information on engineering controls and personal protective equipment required to help prevent or reduce exposure to the material.

EXPOSURE LIMITS: The time weighted average (TWA) airborne concentration at which most workers can be exposed without any expected adverse effects. Primary sources include ACGIH TLVs, and OSHA PELs.

ACGIH: American Conference of Governmental Industrial Hygienists

OSHA: Occupational Safety and Health Administration.

PEL: Permissible Exposure Limit - A set of time weighted average exposure values, established by OSHA, for a normal 8-hour day and a 40-hour work week.

PPM: Parts per million - unit of measure for exposure limits.

(S) SKIN: Skin contact with substance can contribute to overall exposure.

STEL: Short Term Exposure Limit - Maximum concentration for a continuous 15-minute exposure period.

TLV: Threshold Limit Value - A set of time weighted average exposure limits, established by the ACGIH, for a normal 8-hour day and a 40-hour work week.

RESPIRATORY PROTECTION: When recommended, use only MSHA and NIOSH approved respirators and dust masks.

MSHA: Mine Safety and Health Administration

NIOSH: National Institute for Occupational Safety and Health.

HMSIS® PPE CODE: Consult HMSIS training guides for Personal Protection letter codes which indicate necessary protective equipment.

SCBA – Self Contained Breathing Apparatus

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES – Detailed information about the chemical and physical properties of the product.

EVAPORATION RATE: Refers to the rate of change from the liquid state to the vapor state at ambient temperature and pressure in comparison to a given substance (e.g. water).

pH: A value representing the acidity or alkalinity of an aqueous solution (Highly Acidic = 1; Neutral = 7; Highly Alkaline = 14)

VOLATILE MATTER: The weight percent that evaporates when the product is allowed to completely evaporate.

SOLUBILITY IN WATER: A description of the ability of the product to dissolve in water.

VOC CONTENT: The amount in pounds per gallon (or grams per liter) of the product that is regulated as a Volatile Organic Compound under the Clean Air Act of 1990 and various state jurisdictions.

SECTION X: STABILITY AND REACTIVITY – Identifies potentially hazardous chemical reactions and decomposition products.

STABILITY: Indicates the susceptibility of the product to spontaneously and dangerously decompose.

HAZARDOUS DECOMPOSITION: Breakdown products expected to be produced upon product decomposition by extreme heat or fire.

INCOMPATIBILITY: Keep product away from listed substances or conditions to prevent hazardous reactions.

POLYMERIZATION: Indicates the tendency of the product's molecules to combine with themselves in a chemical reaction releasing excess pressure and heat.

SECTION XI: TOXICOLOGICAL INFORMATION – Discussion of data used to determine hazard materials identified in Section 3.

ACUTE TOXICITY: Describes the adverse effects resulting from a single exposure to a substance

TERATOGENIC: An agent capable of causing developmental malformations in the embryo or fetus.

CARCINOGENIC: As defined in Sec II, a definite or possible human cancer causing agent.

MUTAGENIC: An agent, such as a chemical, ultraviolet light, or a radioactive element, that can induce or increase the frequency of mutation in an organism.

SECTION XII: ECOLOGICAL INFORMATION – Information helpful to determine the environmental impact of the material should it be released into the environment.

SECTION XIII: DISPOSAL CONSIDERATIONS – Information that may be useful for proper disposal, reuse, or reclamation of the product.

SECTION XIV: TRANSPORTATION DATA – Identifies the basic shipping information for proper identification of hazardous materials on shipping papers or package labeling.

CWA: Clean Water Act - Federal law which regulates chemical releases to bodies of water.

RQ: Reportable Quantity - The amount of the specific ingredient that, when spilled to the ground and, can enter a storm sewer or natural watershed, must be reported to the National Response Center, and other regulatory agencies.

SECTION XV: REGULATORY INFORMATION – Discusses various regulations under which the material falls.

RCRA WASTE NOS: (Resource Conservation and Recovery Act) waste codes (40 CFR 261) applicable to the disposal of spilled or unusable product from the original container.

SARA: Superfund Amendment and Reauthorization Act - Section 313 designates certain chemicals for possible reporting for the Toxic Chemical Release Inventory.

TSCA: Toxic Substances Control Act - A federal law requiring all commercial chemical substances to appear on an inventory maintained by the EPA.

WHMIS: The classification code for hazardous materials. The Workplace Hazardous Materials Information System (WHMIS) is Canada's hazard communication standard.

SECTION XVI: OTHER INFORMATION

Other useful information that identifies this product.

DISCLAIMER

All statements, technical information and recommendations contained herein are based on available scientific tests or data which we believe to be reliable. The accuracy and completeness of such data are not warranted or guaranteed. We cannot anticipate all conditions under which this information and our products, or the products of other manufacturers in combination with our products, may be used. Eldorado Chemical Co., Inc. assumes no liability or responsibility for loss or damage resulting from the improper use or handling of our products, from incompatible product combinations, or from the failure to follow instructions, warnings, and advisories in the product label and Material Safety Data Sheet.