

Material Safety Data Sheet

Chromerge Cleaning Solution

ACC# 04919

Section 1 - Chemical Product and Company Identification

MSDS Name: Chromerge Cleaning Solution

Catalog Numbers: C577 12, C57712, S779641, S79964-1, S799641

Synonyms: None

Company Identification:

Fisher Scientific

1 Reagent Lane

Fair Lawn, NJ 07410

For information, call: 201-796-7100

Emergency Number: 201-796-7100

For CHEMTREC assistance, call: 800-424-9300

For International CHEMTREC assistance, call: 703-527-3887

Section 2 - Composition, Information on Ingredients

CAS#	Chemical Name	Percent	EINECS/ELINCS
1333-82-0	Chromium Trioxide	50.0	215-607-8
7732-18-5	Water	50.0	231-791-2

Hazard Symbols: O C

Risk Phrases: 35 43 8

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Appearance: dark red-brown liquid. **Danger!** Corrosive. Causes severe eye burns. Eye contact may result in permanent eye damage. May cause severe respiratory and digestive tract irritation with possible burns. May cause pulmonary edema. May cause liver and kidney damage. May cause cancer based on animal studies. May cause allergic skin reaction. May cause severe allergic respiratory reaction. May cause blood abnormalities.

Target Organs: Blood, kidneys, liver, respiratory system, gastrointestinal system, blood forming organs.

Potential Health Effects

Eye: May cause irreversible eye injury. Contact with eyes may cause severe irritation, and possible eye burns.

Skin: Causes skin irritation. May cause skin sensitization, an allergic reaction, which becomes evident upon re-exposure to this material. May cause irritation with burning pain, itching and redness. May cause deep, penetrating ulcers of the skin. May be absorbed through damaged or abraded skin in harmful amounts. Chronic exposure to water insoluble hexavalent chromium compounds has been shown to be associated with lung cancer and gastrointestinal tract tumors.

Handling:

Molecular Formula:CrO3
Molecular Weight:99.9942

Chemical Stability: Stable under normal temperatures and pressures.

Conditions to Avoid: Excess heat, combustible materials, organic materials.

Incompatibilities with Other Materials: Acetic Acid, acetic anhydride, acetone, alcohols, alkali metals, ammonia, arsenic, anthracene, benzene, bromine pentafluoride, butyric acid, camphor, chlorine trifluoride, chromous sulfide, diethyl ether, dimethyl formamide, glycerol, hydrogen sulfide, methyl alcohol, naphthalene, peroxyformic acid, phosphorus, potassium hexacyanoferrate, pyridine, selenium, sodium, sulfur, turpentine, ethyl alcohol and many hydrocarbons.

Environmental: Chromium Trioxide lowers the pH of water and becomes acidic.

Physical: No information available.

Other: No information available.

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed.

RCRA U-Series: None listed.

US FEDERAL

TSCA

CAS# 1333-82-0 is listed on the TSCA inventory.

This material contains Chromium Trioxide (listed as Chromium), 50 0%, (CAS# 1333-82-0) which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.

Clean Air Act:

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters.

Clean Water Act:

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 1333-82-0 can be found on the following state right to know lists: New Jersey, Florida, Pennsylvania, Massachusetts.

CAS# 7732-18-5 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

O C

Risk Phrases:

R 35 Causes severe burns.

R 43 May cause sensitization by skin contact.

R 8 Contact with combustible material may cause fire.

Safety Phrases:

S 28A After contact with skin, wash immediately with plenty of water.

WGK (Water Danger/Protection)

CAS# 1333-82-0: 3

CAS# 7732-18-5: No information available.

Canada - DSL/NDSL

CAS# 1333-82-0 is listed on Canada's DSL List.

CAS# 7732-18-5 is listed on Canada's DSL List.

Canada - WHMIS

This product has a WHMIS classification of C, D1B, D2A, E.

Canadian Ingredient Disclosure List

CAS# 1333-82-0 is listed on the Canadian Ingredient Disclosure List.

Exposure Limits

CAS# 1333-82-0: OEL-FINLAND; Carcinogen OEL-FRANCE: TWA 0.05 mg/m³; ST EL 0.1 mg/m³; Carcinogen OEL-GERMANY; Carcinogen OEL-RUSSIA: STEL 0.01 mg/m³; Skin OEL-SWITZERLAND: TWA 0.05 mg/m³; STEL 0.1 mg/m³ OEL IN BULGARIA, COLOMBIA, JORDAN, KOREA check ACGIH TLV OEL IN NEW ZEALAND, SINGAPORE, VIETNAM check ACGI TLV

Section 16 - Additional Information

MSDS Creation Date: 9/02/1997

Revision #2 Date: 8/02/2000

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the

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