



MATERIAL SAFETY DATA SHEET

CHROMATE INDUSTRIAL CORPORATION®

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FOR CHEMICAL
EMERGENCY

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

SECTION 1 — PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 3M™ FIRE BARRIER CP-25WB+

DATE PREPARED: DECEMBER 7, 2013

PART NUMBER: 74580-74584

CHROMATE INDUSTRIAL CORPORATION

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PRODUCT TYPE: FIRE PROTECTION

SECTION 2 — INGREDIENTS

Ingredient	C.A.S. No.	% by Wt
Sodium Silicate	1344-09-8	10 - 30
Polymer	Trade Secret	10 - 30
Zinc Borate 2335	138265-88-0	10 - 30
Water	7732-18-5	10 - 30
Ethylhexyldiphenyl phosphate	1241-94-7	3 - 7
Iron oxide	1309-37-1	1 - 5
Polyethylene Glycol	25322-68-3	1 - 5
Oxide glass chemicals	65997-17-3	1 - 5
Triphenyl phosphate	115-86-6	< 1.0
Di-2-ethylhexylphenyl phosphate	16368-97-1	< 1.0
Polyoxyethylene monooctylphenyl ether	9036-19-5	< 1.0
3(2H)-Isothiazolone, 5-chloro-2-methyl-, mixt. with 2-methyl-3(2H)-isothiazolone	55965-84-9	< 0.001

SECTION 3 — HAZARDS IDENTIFICATION

3.1 EMERGENCY OVERVIEW

Specific Physical Form: Paste

Odor, Color, Grade: Red with negligible odor

General Physical Form: Solid

Immediate health, physical, and environmental hazards:

3.2 POTENTIAL HEALTH EFFECTS

Eye Contact: Moderate Eye Irritation: Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

Skin Contact: Moderate Skin Irritation: Signs/symptoms may include localized redness, swelling, itching, and dryness.

Inhalation: Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.

Ingestion: May be harmful if swallowed.

Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting & diarrhea. May be absorbed following ingestion and cause target organ effects.

Target Organ Effects: Prolonged or repeated exposure may cause:

Kidney/Bladder Effects: Signs/symptoms may include changes in urine production, abdominal or lower back pain, increased protein in urine, increased blood urea nitrogen (BUN), blood in urine, and painful urination.

SECTION 4 — FIRST AID MEASURES

4.1 FIRST AID PROCEDURES

The following first aid recommendations are based on an assumption that appropriate personal and industrial hygiene practices are followed.

Eye Contact: Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention.

Skin Contact: Remove contaminated clothing and shoes. Immediately flush skin with large amounts of water. Get medical attention. Wash contaminated clothing and clean shoes before reuse.

Inhalation: Remove person to fresh air. If signs/symptoms develop, get medical attention.

If Swallowed: Do not induce vomiting unless instructed to do so by medical personnel. Give victim two glasses of water. Never give anything by mouth to an unconscious person. Get medical attention.

SECTION 5 — FIREFIGHTING MEASURES

5.1 FLAMMABLE PROPERTIES

Autoignition temperature:	Not Applicable
Flash Point:	No flash point
Flammable Limits (LEL):	Not Applicable
Flammable Limits (UEL):	Not Applicable
OSHA Flammability Classification:	Not Applicable

5.2 EXTINGUISHING MEDIA

Non-combustible. Choose material suitable for surrounding fire.

5.3 PROTECTION OF FIRE FIGHTERS

Special Fire Fighting Procedures: Wear full protective equipment (Bunker Gear) and a self-contained breathing apparatus (SCBA).

Unusual Fire and Explosion Hazards: Not applicable.

Note: See STABILITY AND REACTIVITY (SECTION 10) for hazardous combustion and thermal decomposition information.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate unprotected and untrained personnel from hazard area. The spill should be cleaned up by qualified personnel. Ventilate the area with fresh air. For large spill, or spills in confined spaces, provide mechanical ventilation to disperse or exhaust vapors, in accordance with good industrial hygiene practice. Warning! A motor could be an ignition source and could cause flammable gases or vapors in the spill area to burn or explode.

6.2. Environmental precautions

Collect the resulting residue containing solution. Place in a closed container approved for transportation by appropriate authorities. Dispose of collected material as soon as possible.

Clean-up methods

Observe precautions from other sections. Call 3M- HELPS line (1-800-364-3577) for more information on handling and managing the spill. Collect as much of the spilled material as possible. Clean up residue with water.

In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal regulations.

SECTION 7 — HANDLING AND STORAGE

7.1 HANDLING

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. For industrial or professional use only. Avoid eye contact with dust or airborne particles.

7.2 STORAGE

Store away from areas where product may come into contact with food or pharmaceuticals. Store in a cool, dry place.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 ENGINEERING CONTROLS

Use in a well-ventilated area.

8.2 PERSONAL PROTECTIVE EQUIPMENT (PPE)

8.2.1 Eye/Face Protection

Avoid eye contact.

The following eye protection(s) are recommended: Indirect Vented Goggles

8.2.2 Skin Protection

Avoid skin contact.

Select and use gloves and/or protective clothing to prevent skin contact based on the results of an exposure assessment. Consult with your glove and/or protective clothing manufacturer for selection of appropriate compatible materials.

Gloves made from the following material(s) are recommended: Butyl Rubber

Neoprene

8.2.3 Respiratory Protection

Under normal use conditions, airborne exposures are not expected to be significant enough to require respiratory protection.

8.2.4 Prevention of Swallowing

Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water. Not applicable.

SECTION 8 — EXPOSURE CONTROLS / PERSONAL PROTECTION (CONT.)

8.3 EXPOSURE GUIDELINES

Ingredient	Authority	Type	Limit	Additional Information
Iron oxide	ACGIH	TWA, respirable fraction	5 mg/m ³	
Iron oxide	OSHA	TWA, as fume	10 mg/m ³	
Oxide glass chemicals	Manufacturer determined	TWA, as dust	10 mg/m ³	
Polyethylene Glycol	AIHA	TWA, as particulate	10 mg/m ³	
Triphenyl phosphate	ACGIH	TWA	3 mg/m ³	
Triphenyl phosphate	OSHA	TWA	3 mg/m ³	

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- CMRG: Chemical Manufacturer Recommended Guideline
- OSHA: Occupational Safety and Health Administration
- AIHA: American Industrial Hygiene Association Workplace Environmental Exposure Level (WEEL)

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Specific Physical Form:	Paste
Odor, Color, Grade:	Red with negligible odor
General Physical Form:	Solid
Autoignition temperature:	Not Applicable
Flash Point:	No flash point
Flammable Limits (LEL):	Not Applicable
Flammable Limits (UEL):	Not Applicable
Specific Gravity:	1.35 [Ref Std: WATER=1]
Melting point:	No Data Available
Solubility In Water:	Complete
Volatile Organic Compounds:	< 1 g/l
VOC Less H2O & Exempt Solvents:	< 1 g/l

SECTION 10 — STABILITY AND REACTIVITY

Stability: Stable.

Materials and Conditions to Avoid:

10.1 Conditions to avoid
None known

10.2 Materials to avoid
None known

Hazardous Polymerization: Hazardous polymerization will not occur.

Hazardous Decomposition or By-Products

Substance	Condition
Carbon monoxide	Not Specified
Carbon dioxide	Not Specified
Oxides of Phosphorus	Not Specified

SECTION 11 — TOXICOLOGICAL INFORMATION

Please contact the address listed on the first page of the MSDS for Toxicological Information on this material and/or its components.

SECTION 12 — ECOLOGICAL INFORMATION**ECOTOXICOLOGICAL INFORMATION****CHEMICAL FATE INFORMATION****SECTION 13 — DISPOSAL CONSIDERATIONS**

Waste Disposal Method: Dispose of waste product in a facility permitted to accept chemical waste.

EPA Hazardous Waste Number (RCRA): Not regulated.

Since regulations vary, consult applicable regulations or authorities before disposal.

SECTION 14 — TRANSPORT INFORMATION**ID Number(s):**

42-0016-4710-8, 42-0016-4715-7, 42-0016-4716-5, 98-0400-5380-7, 98-0400-5381-5, 98-0400-5382-3, 98-0400-5383-1, 98-0400-5406-0, 98-0400-5456-5, 98-0400-5562-0, 98-0400-5573-7, 98-0400-5610-7, 98-0400-5629-7

For Transport Information, please visit <http://3M.com/Transportinfo> or call 1-800-364-3577 or 651-737-6501.

SECTION 15 — REGULATORY INFORMATION**US FEDERAL REGULATIONS**

Contact 3M for more information.

311/312 Hazard Categories:

Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No Immediate Hazard - Yes Delayed Hazard - Yes

STATE REGULATIONS**CHEMICAL INVENTORIES**

The components of this product are in compliance with the chemical notification requirements of TSCA.

INTERNATIONAL REGULATIONS

This MSDS has been prepared to meet the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SECTION 16 — OTHER INFORMATION**NFPA Hazard Classification**

Health: 2 **Flammability:** 1 **Reactivity:** 0 **Special Hazards:** None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

HMIS Hazard Classification

Health: 2 **Flammability:** 1 **Reactivity:** 0 **Protection:** X - See PPE section.

Hazardous Material Identification System (HMIS®) hazard ratings are designed to inform employees of chemical hazards in the workplace. These ratings are based on the inherent properties of the material under expected conditions of normal use and are not intended for use in emergency situations. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint and Coatings Association (NPCA).

Reason for Reissue: Reissued to make corrections in tables.

Revision Changes:

Section 8: Prevention of swallowing information information was modified.

Section 2: Ingredient table information was modified.

Section 8: Exposure guidelines ingredient information was modified.

Section 12: Chemical Fate phrase information was deleted.

SECTION 16 — OTHER INFORMATION (CONT.)

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