

MSDS# 21130

Section 1 - Chemical Product and Company Identification

MSDS Name: Sodium chromate

Catalog Numbers: AC377870000, AC377870050, AC377870250, AC377871000, 61139-5000, S272-250, S272-500

Synonyms: Chromic acid, disodium salt.

Company Identification: Fisher Scientific
One Reagent Lane
Fair Lawn, NJ 07410

For information in the US, call: 201-796-7100

Emergency Number US: 201-796-7100

CHEMTREC Phone Number, US: 800-424-9300

Section 2 - Composition, Information on Ingredients

CAS#: 7775-11-3

Chemical Name: Sodium chromate

%: 100

EINECS#: 231-889-5

Hazard Symbols:



T+ N



Risk Phrases: 45 46 60 61 21 25 26 34 42/43 48/23 50/53

Section 3 - Hazards Identification

EMERGENCY OVERVIEW

Danger! Strong oxidizer. Contact with other material may cause a fire. Harmful if absorbed through the skin. Hygroscopic (absorbs moisture from the air). Cancer hazard. May be fatal if inhaled. Causes burns by all exposure routes. May cause sensitization by inhalation and by skin contact. Toxic if swallowed. May cause harm to the unborn child. May impair fertility. Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Danger of serious damage to health by prolonged exposure through inhalation. May cause heritable genetic damage. Target Organs: Blood, kidneys, liver, respiratory system, gastrointestinal system, eyes, skin.

Potential Health Effects

Eye: Causes eye burns.

Skin: Harmful if absorbed through the skin. Causes skin burns. May cause sensitization by skin contact.

Ingestion: Causes gastrointestinal tract burns. Toxic if swallowed.

Inhalation: May be fatal if inhaled. Causes chemical burns to the respiratory tract. May cause respiratory sensitization.

Chronic: May cause cancer in humans. Repeated or prolonged exposure may cause allergic reactions in sensitive individuals. Possible risk of harm to the unborn child. May impair fertility.

Section 4 - First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical aid immediately.

Skin: Get medical aid immediately. Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes.

Ingestion: Do not induce vomiting. Get medical aid immediately. Call a poison control center.

Inhalation: Get medical aid immediately. Remove from exposure and move to fresh air immediately. If breathing is difficult, give oxygen. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Notes to Physician:

Section 5 - Fire Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear.

Extinguishing Media: Use foam, dry chemical, or carbon dioxide.

Autoignition Temperature: Not applicable.

Flash Point: Not applicable.

Explosion Limits: Not available
Lower:

Explosion Limits: Not available
Upper:

NFPA Rating: ; instability: OX

Section 6 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container. Wear a self contained breathing apparatus and appropriate personal protection. (See Exposure Controls, Personal Protection section). Avoid generating dusty conditions. Provide ventilation. Keep combustibles (wood, paper, oil, etc.,) away from spilled material. Evacuate unnecessary personnel. Do not let this chemical enter the environment.

Section 7 - Handling and Storage

Handling: Minimize dust generation and accumulation. Do not get in eyes, on skin, or on clothing. Avoid contact with clothing and other combustible materials. Do not ingest or inhale. Use only in a chemical fume hood.

Storage: Do not store near combustible materials. Store in a cool, dry place. Store in a tightly closed container.

Section 8 - Exposure Controls, Personal Protection

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Sodium chromate	0.05 mg/m3 TWA (as Cr) (listed under Chromium (VI) compounds-water soluble).	0.001 mg/m3 TWA (as Cr) (listed under Chromates).15 mg/m3 IDLH (as Cr(VI)) (listed under Chromates).	5 æg/m3 TWA (listed under Chromium (VI) compounds).0.1 mg/m3 Ceiling (as CrO3, applies to any operations or sectors for which the Hexavalent Chromium standard [29 CFR 1910.1026] is

OSHA Vacated PELs: Sodium chromate: None listed

Engineering Controls:

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use only under a chemical fume hood.

Exposure Limits

Personal Protective Equipment

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

Skin: Wear appropriate protective gloves to prevent skin exposure.
Clothing: Wear appropriate protective clothing to prevent skin exposure.
Respirators: Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Physical and Chemical Properties

Physical State: Solid
Color: yellow
Odor: odorless
pH: 9.2 (100 g/L aq.sol.)
Vapor Pressure: Not available
Vapor Density: Not available
Evaporation Rate: Not available
Viscosity: Not available
Boiling Point: Not available
Freezing/Melting Point: 792 deg C (1,457.60°F)
Decomposition Temperature: Not available
Solubility in water: 530 g/L (20°C)
Specific Gravity/Density: Not available.
Molecular Formula: CrNa2O4
Molecular Weight: 161.97

Section 10 - Stability and Reactivity

Chemical Stability: Hygroscopic: absorbs moisture or water from the air.
Conditions to Avoid: Incompatible materials, dust generation, combustible materials, exposure to moist air or water.
Incompatibilities with Other Materials: Strong oxidizing agents, strong reducing agents.
Hazardous Decomposition Products: Toxic fumes of sodium oxide, toxic chromium oxide fumes.
Hazardous Polymerization: Will not occur.

Section 11 - Toxicological Information

RTECS#: CAS# 7775-11-3: GB2955000
RTECS:
LD50/LC50: CAS# 7775-11-3: Oral, rat: LD50 = 136 mg/kg;
Other: Dermal LDLo guinea pig: 206 mg/kg.
Carcinogenicity: Sodium chromate - California: carcinogen, initial date 2/27/87 (Chromium (VI) compounds). NTP: Known carcinogen (Chromium (VI) compounds). IARC: Group 1 carcinogen
Other: See actual entry in RTECS for complete information.

Section 12 - Ecological Information

Other: Do not empty into drains.

Section 13 - Disposal Considerations

Dispose of in a manner consistent with federal, state, and local regulations.

Section 14 - Transport Information

US DOT
Shipping Name: OXIDIZING SOLID, TOXIC, N.O.S.
Hazard Class: 5.1
UN Number: UN3087
Packing Group: III
Canada TDG
Shipping Name: OXIDIZING SOLID, TOXIC, N.O.S.

Hazard Class: 5.1
UN Number: UN3087
Packing Group: III

USA RQ: CAS# 7775-11-3: 10 lb final RQ; 4.54 kg final RQ

Section 15 - Regulatory Information

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols: T+ N

Risk Phrases:

- R 45 May cause cancer.
- R 46 May cause heritable genetic damage.
- R 61 May cause harm to the unborn child.
- R 21 Harmful in contact with skin.
- R 25 Toxic if swallowed.
- R 26 Very toxic by inhalation.
- R 34 Causes burns.
- R 42/43 May cause sensitization by inhalation and skin contact.
- R 48/23 Toxic : danger of serious damage to health by prolonged exposure through inhalation.
- R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R 60 May impair fertility.

Safety Phrases:

- S 53 Avoid exposure - obtain special instructions before use.
- S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- S 60 This material and its container must be disposed of as hazardous waste.
- S 61 Avoid release to the environment. Refer to special instructions/safety data sheets.

WGK (Water Danger/Protection)

CAS# 7775-11-3: 3

Canada

CAS# 7775-11-3 is listed on Canada's DSL List

Canadian WHMIS Classifications: D1A, D2A, D2B

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.

CAS# 7775-11-3 is listed on Canada's Ingredient Disclosure List

US Federal

TSCA

CAS# 7775-11-3 is listed on the TSCA Inventory.

Section 16 - Other Information

MSDS Creation Date: 2/23/1998

Revision #13 Date 7/20/2009

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 information for their particular purposes. In no event shall the company be liable for any claims, losses, or damages of any third party or for lost profits

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