

SAFETY DATA SHEET

Preparation Date: 8/5/2015

Revision Date: 08/15/2018

Revision Number: G3

1. IDENTIFICATION

Product identifier

Product code: S1242
Product Name: SODIUM CHROMATE, ANHYDROUS

Other means of identification

Synonyms: Chromic acid, sodium salt
 Chromate of soda
 Chromium disodium oxide
 Disodium chromate
 Neutral sodium chromate
 Chromium sodium oxide

CAS #: 7775-11-3
RTECS # GB2955000
CI#: Not available

Recommended use of the chemical and restrictions on use

Recommended use: In textiles. Wood preservation. Fungicide. Pigment. Paints. Inks. Chemical intermediate.

Uses advised against No information available

Supplier: Spectrum Chemical Mfg. Corp
 14422 South San Pedro St.
 Gardena, CA 90248
 (310) 516-8000

Order Online At: <https://www.spectrumchemical.com>
Emergency telephone number Chemtrec 1-800-424-9300
Contact Person: Martin LaBenz (West Coast)
Contact Person: Ibad Tirmiz (East Coast)

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Acute toxicity - Oral	Category 3
Acute toxicity - Dermal	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 2
Skin corrosion/irritation	Category 1 Sub-category B
Serious eye damage/eye irritation	Category 1
Respiratory sensitization	Category 1
Skin sensitization	Category 1
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1A
Reproductive toxicity	Category 1B

Label elements**Danger****Hazard statements**

Fatal if inhaled

Toxic if swallowed

Harmful in contact with skin

Causes severe skin burns and eye damage

May cause allergy or asthma symptoms or breathing difficulties if inhaled

May cause an allergic skin reaction

May cause genetic defects

May cause cancer

May damage fertility or the unborn child

Causes damage to organs through prolonged or repeated exposure

**Hazards not otherwise classified (HNOC)**

Oxidizing agent

Other hazards

Not available

Precautionary Statements - Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood

Wash face, hands and any exposed skin thoroughly after handling

Do not eat, drink or smoke when using this product

Do not get in eyes, on skin, or on clothing

Do not breathe dust/fume/gas/mist/vapors/spray

Use only outdoors or in a well-ventilated area

Wear respiratory protection

In case of inadequate ventilation wear respiratory protection

Contaminated work clothing must not be allowed out of the workplace

Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response*Immediately call a POISON CENTER or doctor/physician*

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Immediately call a POISON CENTER or doctor/physician.

Immediately call a POISON CENTER or doctor/physician

Wash contaminated clothing before reuse

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

If skin irritation or rash occurs: Get medical advice/attention

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Rinse mouth
Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up
Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %
Sodium Chromate, Anhydrous	7775-11-3	100

4. FIRST AID MEASURES

First aid measures

General Advice: National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. First aider needs to protect himself.

Skin Contact: Wash off immediately with soap and plenty of water. Remove all contaminated clothes and shoes. Continue flushing with plenty of water for at least 15 minutes. Immediate medical attention is required. Call a physician or Poison Control Centre immediately.

Eye Contact: Flush eyes with water for 15 minutes. Immediate medical attention is required. Call a physician immediately.

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. WARNING! It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled or ingested material is toxic, infectious or corrosive. 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. Immediate medical attention is required.

Ingestion: Toxic if swallowed. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Immediate medical attention is required. Call a physician or Poison Control Center immediately.

Most important symptoms and effects, both acute and delayed

Symptoms
Severe skin and eye irritation or burns
Chronic sores (ulcers) on the skin
May affect the liver
It may affect the kidneys
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause an allergic skin reaction
Causes digestive (gastrointestinal) tract irritation
May cause gastrointestinal (digestive) tract burns
Can burn mouth, throat, and stomach
May cause abdominal pain, nausea, vomiting, diarrhea
May cause epigastric pain
gastroenteritis
Sore throat
Thirst

It may affect the blood
Somnolence
May affect the cardiovascular system
Perforation of the nasal septum if inhaled in excessive quantities

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media:

The product is not flammable. If it is involved in a fire, extinguish the fire using an agent suitable for the type of surrounding fire.

Unsuitable Extinguishing Media:

No information available.

Specific hazards arising from the chemical

Hazardous Combustion Products:

If it is involved in a fire the following can be released: Sodium Oxides. Chromium oxides.

Specific hazards:

The product is not flammable, but it may cause fire when in contact with other material. Contact with combustible or organic materials may cause fire. May ignite combustibles (wood, paper, oil, clothing, etc.). May increase intensity of fire when in contact with combustible material. Toxic chromium oxide fumes may form in fire. Hydrazine is decomposed explosively by chromates.

Special Protective Actions for Firefighters

Specific Methods:

No information available.

Special Protective Equipment for Firefighters:

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

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Evacuate personnel to safe areas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid breathing dust. Avoid dust formation. Keep combustibles (wood, paper, oil, clothing, etc.) away from spilled material. Remove all sources of ignition.

Environmental precautions Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Cover with plastic sheet to prevent spreading.

Methods for cleaning up Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. Do not use combustible materials such as paper towels, sawdust, clothing, etc. to clean up spill. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Technical Measures/Precautions:

Provide sufficient air exchange and/or exhaust in work rooms. Avoid dust formation. Remove all sources of ignition. Keep away from incompatible materials.

Safe Handling Advice

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Do not ingest. Do not breathe dust. Use only in well-ventilated areas. Keep away from heat and sources of ignition. Keep away from combustible material. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions:

Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Store in a segregated and approved area. Store away from incompatible materials. Do not store near combustible materials.

Incompatible Materials:

Reducing agents
Organic materials
Combustible materials
Strong acids

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

Components	CAS-No.	OSHA	NIOSH	ACGIH	AIHA WEEL
Sodium Chromate, Anhydrous	7775-11-3	0.1 mg/mg Ceiling 5 ug/m ³ TWA	0.0002 mg/m ³ TWA	0.05 mg/m ³ TWA (as Cr)	None

Canada

Components	CAS-No.	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
Sodium Chromate, Anhydrous	7775-11-3	0.05 mg/m ³ TWA (as Cr)	0.025 mg/m ³ TWA (as Cr)	None	None

Australia and Mexico

Components	CAS-No.	Australia	Mexico
Sodium Chromate, Anhydrous	7775-11-3	0.05 mg/m ³ TWA (as Cr)	0.05 mg/m ³ TWA (chromium VI water-soluble compounds) 0.5 mg/m ³ TWA (chromium inorganic compounds)

Appropriate engineering controls

Engineering measures to reduce exposure:

Ensure adequate ventilation, especially in confined areas. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

Eye protection: Goggles

Skin and body protection: Long sleeved clothing
Chemical resistant apron
Gloves

Respiratory protection: Effective dust mask. or. Wear respirator with dust filter. Use a dust respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentration of dust (dust clouds) , inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent.

Hygiene measures: Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands and face before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:
Solid

Appearance:
Crystals. Crystalline powder.

Color:
Yellow. Bright Yellow.

Odor:
Odorless.

Taste
Bitter. Metallic.

Formula:
Na₂CrO₄

Molecular/Formula weight (g/mole):
161.97 g/mol

Flammability:
No information available

Flashpoint (°C/°F):
No information available.

Flash Point Tested according to:
Not available

Autoignition Temperature (°C/°F):
No information available

Lower Explosion Limit (%):
No information available

Product code: S1242

Product name: SODIUM
CHROMATE, ANHYDROUS

6 / 16

Upper Explosion Limit (%):
No information available

Melting point/range(°C/°F):
792-794°C/1458-1461°F

Decomposition temperature(°C/°F):
No information available

Boiling point/range(°C/°F):
No information available

Bulk density:
0.85 g/cm³

Density (g/cm³):
No information available

Specific gravity:
2.710-2.736

pH:
No information available

Vapor pressure @ 20°C (kPa):
No information available

Evaporation rate:
No information available

Vapor density:
No information available

VOC content (g/L):
No information available

Odor threshold (ppm):
No information available

**Partition coefficient
(n-octanol/water):**
No information available

Viscosity:
No information available

Miscibility:
No information available

Solubility:
Easily soluble in hot water
Soluble in cold water
Slightly soluble in Ethanol
Slightly soluble in Methanol
Solubility in Water: 873 g/l @ 30°C

10. STABILITY AND REACTIVITY

Reactivity

Reactive with reducing agents, combustible materials, and organic materials.
Reactive with strong acids

Chemical stability

Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Conditions to avoid: Heat. Ignition sources. Incompatible materials. Contact with combustible materials (wood, paper, oil, clothing, etc.).

Incompatible Materials: Reducing agents
Organic materials
Combustible materials
Strong acids

Hazardous decomposition products: Sodium oxides. Chromium oxides.

Other Information

Corrosivity: Non-corrosive in the presence of glass

Special Remarks on Corrosivity: No information available

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure:
Ingestion. Inhalation. Skin.

Product code: S1242

Product name: SODIUM
CHROMATE, ANHYDROUS

7 / 16

Acute Toxicity

Component Information

Sodium Chromate, Anhydrous	
CAS-No.	7775-11-3

LD50/oral/rat = 136 mg/kg Oral LD50 Rat
LD50/oral/mouse = No information available
LD50/dermal/rabbit = 1330 mg/kg Dermal LD50Rabbit
LD50/dermal/rat = No information available
LC50/inhalation/rat = 0.104 mg/L Inhalation LC50 Rat 4 h
LC50/inhalation/mouse = No information available
Other LD50 or LC50information = 32 mg/kg intraperitoneal LD50 mouse
57 mg/kg intraperitoneal LD50 rat

Product Information

LD50/oral/rat =
VALUE- Acute Tox Oral = 136 mg/kg

LD50/oral/mouse =
Value - Acute Tox Oral = No information available

LD50/dermal/rabbit
VALUE-Acute Tox Dermal = 1330 mg/kg

LD50/dermal/rat
VALUE -Acute Tox Dermal = No information available

LC50/inhalation/rat
VALUE-Vapor = No information available
VALUE-Gas = No information available
VALUE-Dust/Mist = .104 mg/l (4-hr.)

LC50/Inhalation/mouse
VALUE-Vapor = No information available
VALUE - Gas = No information available
VALUE - Dust/Mist = No information available

Symptoms

Skin Contact: Harmful in contact with skin. Harmful if absorbed through skin. Causes severe irritation and burns. Contact with broken skin may cause ulcers (chronic sores) and absorption, which may cause systemic poisoning affecting behavior/central nervous system(muscle weakness, somnolence), kidneys and liver and respiration.

Eye Contact: Causes severe irritation and burns. Contact can cause blurred vision, redness, pain ,severe irritation, conjunctivitis, and corneal tissue burns. It may cause corneal injury or blindness.

Inhalation Fatal if inhaled. Irritating to respiratory system. It is destructive to the tissues of the mucous membranes and upper respiratory tract. It may cause ulceration and perforation of the nasal septum. Symptoms may include sore throat, coughing, shortness of breath, and labored breathing. It may cause pulmonary edema, and sensitization or allergic asthma.

Ingestion

Toxic if swallowed. Corrosive. Ingestion can cause severe burns of the mouth, throat, and stomach, leading to death. It can cause sore throat, intense thirst, muscle cramps, vomiting, nausea diarrhea, violent gastroenteritis, violent epigastric pain, peripheral vascular collapse, liver damage (elevated liver enzymes, acute hepatic failure), acute renal failure, renal tubular necrosis, mydriasis, and may affect behavior/central nervous system (somnolence, dizziness, coma), respiration (respiratory distress syndrome), cardiovascular system (hypotension or hypertension, dysrhythmia, circulatory collapse, shock), and blood (thrombocytopenia and possibly leukocytosis).

Aspiration hazard

No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure**Chronic Toxicity**

Repeated or prolonged exposure can cause ulceration and perforation of the nasal septum, respiratory tract irritation, bronchitis, pulmonary fibrosis, emphysema, asthma-like allergy, liver and kidney damage, skin sensitization reactions and ulceration of the skin. Ulcerations at first may be painless, but may penetrate to the bone producing "chronic holes". Skin: Sensitizer. May cause allergic skin reaction (allergic contact dermatitis). Prolonged or repeated inhalation may cause asthma-like allergy and asthma attacks with shortness of breath, difficulty breathing, wheezing, coughing, and/or chest tightness.

Sensitization:

May cause sensitization by inhalation and skin contact.

Mutagenic Effects:

May cause genetic defects
Mutations in microorganisms
Experiments with bacteria and/or yeast have shown mutagenic effects
Mutagenic effects in mammalian somatic cells
Cytogenetic analysis - hamster ovary
Cytogenetic analysis (hamster lung)
Sister Chromatid Exchange: Hamster ovary (RTECS)
DNA damage - rat lung
DNA Damage - Human Fibroblast

Carcinogenic effects:

Carcinogenic. May cause cancer.

Components	CAS-No.	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic Substances	Australia - Prohibited Carcinogenic Substances
Sodium Chromate, Anhydrous	7775-11-3	Group 1 - Carcinogenic - Monograph 49 [1990] Chromium[VI] Supplement 7 [1987] Monograph 23 [1980] Monograph 2 [1973]	A1 Confirmed Human Carcinogen	Known Human Carcinogen	Present see 29 CFR 1910.1026	Not listed	Not listed

ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer)

NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

Reproductive toxicity

May damage fertility or the unborn child

Product code: S1242

Product name: SODIUM CHROMATE, ANHYDROUS

9 / 16

Reproductive Effects: May cause adverse reproductive effects
The Registry of Toxic Effects of Chemical Substances (RTECS) notes reproductive effects data for animal studies on male rats (Paternal effects: Spermatogenesis (including genetic material, sperm morphology, motility, and count) Testes, epididymis, sperm duct)

Developmental Effects: No information available

Teratogenic Effects: No information available

Specific Target Organ Toxicity

STOT - single exposure No information available.

STOT - repeated exposure Causes damage to organs through prolonged or repeated exposure if inhaled. Blood. kidney. liver. respiratory system.

Target Organs: Blood. Liver, kidney, and respiratory system. Skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: Aquatic environment.

Sodium Chromate, Anhydrous - 7775-11-3

Freshwater Fish Species Data: 3 mg/L LC50 Pimephales promelas 96 h 1 118 mg/L LC50 Lepomis macrochirus 96 h static 1

Water Flea Data: 0.0183 - 0.023 mg/L EC50 Daphnia magna 48 h

Persistence and degradability: No information available

Bioaccumulative potential: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products:
Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging:
Empty containers should be taken for local recycling, recovery or waste disposal. Do not re-use empty containers
Dispose of as unused product.

Components	CAS-No.	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Sodium Chromate, Anhydrous	7775-11-3	None	None	None	None

14. TRANSPORT INFORMATION

DOT

UN-No: UN3288

Proper Shipping Name: Toxic solid, inorganic, n.o.s. (sodium chromate)

Hazard Class: 6.1

Subsidiary Class No information available

Packing group: II

Emergency Response Guide 151**Number****Marine Pollutant** No data available**DOT RQ (lbs):** No information available**Special Provisions** IB8, IP2, IP4, T3, TP33**Symbol(s):** [DOT]: (G) - Identifies proper shipping names for which one or more technical names of the hazardous material must be entered in parentheses, in association with the basic description.**Description:** UN3288, Toxic solid, inorganic, n.o.s. (Sodium Chromate, Anhydrous), 6.1, II**TDG (Canada)****UN-No:** UN3288**Proper Shipping Name:** Toxic solid, inorganic, n.o.s. (sodium chromate)**Hazard Class:** 6.1**Subsidiary Risk:** No information available**Packing Group:** II**Marine Pollutant** No Information available**Description:** UN3288, Toxic solid, inorganic, n.o.s. (Sodium Chromate, Anhydrous), 6.1, II**ADR****UN-No:** UN3288**Proper Shipping Name:** Toxic solid, inorganic, n.o.s. (sodium chromate)**Hazard Class:** 6.1**Packing Group:** II**Subsidiary Risk:** No information available**Special Provisions** 274**Description:** UN3288, Toxic solid, inorganic, n.o.s. (Sodium Chromate, Anhydrous), 6.1, II, ENVIRONMENTALLY HAZARDOUS**IMO / IMDG****UN-No:** UN3288**Proper Shipping Name:** Toxic solid, inorganic, n.o.s. (sodium chromate)**Hazard Class:** 6.1**Subsidiary Risk:** No information available**Packing Group:** II**Marine Pollutant** No information available**EMS:** F-A**Special Provisions** 274**Description:** UN3288, Toxic solid, inorganic, n.o.s. (SODIUM CHROMATE, ANHYDROUS), 6.1, II, Marine pollutant**RID****UN-No:** UN3288**Proper Shipping Name:** Toxic solid, inorganic, n.o.s. (sodium chromate)**Hazard Class:** 6.1**Subsidiary Risk:** No information available**Packing Group:** II**Special Provisions** 274**Description:** UN3288, Toxic solid, inorganic, n.o.s. (Sodium Chromate, Anhydrous), 6.1, II, ENVIRONMENTALLY HAZARDOUS**ICAO****UN-No:** UN3288**Proper Shipping Name:** Toxic solid, inorganic, n.o.s. (sodium chromate)**Hazard Class:** 6.1**Subsidiary Risk:** No information available**Packing Group:** II**Description:** UN3288, Toxic solid, inorganic, n.o.s. (Sodium Chromate, Anhydrous), 6.1, II**Special Provisions** A3, A5**Product code:** S1242**Product name:** SODIUM CHROMATE, ANHYDROUS**11 / 16**

IATA

UN-No: UN3288
Proper Shipping Name: Toxic solid, inorganic, n.o.s. (sodium chromate)
Hazard Class: 6.1
Subsidiary Risk: No information available
Packing Group: II
ERG Code: 6L
Special Provisions No information available
Description: UN3288, Toxic solid, inorganic, n.o.s. (Sodium Chromate, Anhydrous), 6.1, II

15. REGULATORY INFORMATION


International Inventories

Components	CAS-No.	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
Sodium Chromate, Anhydrous	7775-11-3	Present R (ACTIVE)	Present KE-31398	Present	Present (1)-282	Present	Present	Present 231-889-5


U.S. Regulations*Sodium Chromate, Anhydrous*

Massachusetts RTK: Present
New Jersey RTK Hazardous Substance List: sn 1692; sn 3575 (chromium VI compounds); sn 2245 (chromium compounds)
New Jersey - Discharge Prevention - List of Hazardous Substances: Present
Pennsylvania RTK: Environmental hazard
Pennsylvania RTK - Environmental Hazard List Present
Minnesota - Hazardous Substance List: Present (chromium VI compounds)
New York Release Reporting - List of Hazardous Substances:
 10 lb RQ
Louisiana Reportable Quantity List for Pollutants: 10lbfinal RQ
 4.54kgfinal RQ (chromium compounds)
California Directors List of Hazardous Substances: Present

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.**Chemicals Known to the State of California to Cause Cancer:**

 **WARNING:** This product contains a chemical known to the State of California to cause cancer. (See table below)

Chemicals Known to the State of California to Cause Reproductive Toxicity:

 **WARNING:** This product contains a chemical known to the State of California to cause birth defects or other reproductive harm (See table below)

Components	CAS-No.	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
Sodium Chromate, Anhydrous	7775-11-3	Carcinogen	Developmental toxicity	male reproductive toxicity	female reproductive toxicity

CERCLA/SARA

Components	CAS-No.	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis
Sodium Chromate, Anhydrous	7775-11-3	10 lb final RQ 4.54 kg final RQ	None	None	None	0.1% de minimis concentration

U.S. TSCA**Product code:** S1242**Product name:** SODIUM CHROMATE, ANHYDROUS**12 / 16**

Components	CAS-No.	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
Sodium Chromate, Anhydrous	7775-11-3	Not Applicable	Not Applicable

Canada

WHMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification Information:

Component
Sodium Chromate, Anhydrous
7775-11-3 (100)

WHMIS 2015 Hazard Classification
Oxidizing solids - Undefined: Oxidizing solids - undefined category (hazard class was established from consulted scientific literature but did not allow to specify hazard category); Acute toxicity - Oral - Category 2: H300 Fatal if swallowed. (classification is based on available data for all water-soluble Hexavalent chromium (Cr(VI)) as Potassium dichromate); Acute toxicity - Dermal - Category 4: H312 Harmful in contact with skin. (classification is based on available data for all water-soluble Hexavalent chromium (Cr(VI)) as Potassium dichromate); Acute toxicity - Inhalation - Category 2: H330 Fatal if inhaled. (classification is based on available data for all water-soluble Hexavalent chromium (Cr(VI)) as Potassium dichromate); Skin corrosion/irritation - Category 2: H315 Causes skin irritation. (classification is based on available data for all water-soluble Hexavalent chromium (Cr(VI)) as Potassium dichromate); Serious Eye Damage/Eye Irritation - Category 2: H319 Causes serious eye irritation. (classification is based on available data for all water-soluble Hexavalent chromium (Cr(VI)) as Potassium dichromate); Respiratory sensitizers - Category 1: H334 May cause allergic or asthmatic symptoms or breathing difficulties if inhaled. (classification is based on available data for all water-soluble Hexavalent chromium (Cr(VI)) as Potassium dichromate); Skin sensitizers - Category 1A: H317 May cause allergic skin reaction. (classification is based on available data for all water-soluble Hexavalent chromium (Cr(VI)) as Potassium dichromate); Germ cell mutagenicity - Category 2: H341 Suspected of causing genetic defects. (classification is based on available data for all water-soluble Hexavalent chromium (Cr(VI)) as Potassium dichromate); Carcinogenicity - Category 1A: H350 May cause cancer. (classification is based on available data for all water-soluble Hexavalent chromium (Cr(VI)) as Potassium dichromate); Reproductive Toxicity - Category 1: H360 May damage fertility or the unborn child. (classification is based on available data for all water-soluble Hexavalent chromium (Cr(VI)) as Potassium dichromate); Reproductive Toxicity - Category 1B: H360 May damage fertility or the unborn child. (classification is based on available data for all water-soluble Hexavalent chromium (Cr(VI)) as Potassium dichromate); Reproductive Toxicity - Category 2: H361 Suspected of damaging fertility or the unborn child. (classification is based on available data for all water-soluble Hexavalent chromium (Cr(VI)) as Potassium dichromate); Specific target organ toxicity - Single exposure - Category 3: H335 May cause respiratory irritation. (classification is based on available data for all water-soluble Hexavalent chromium (Cr(VI)) as Potassium dichromate); Specific target organ toxicity - Repeated exposure - Category 2: H373 May cause damage to organs through prolonged or repeated exposure. (classification is based on available data for all water-soluble Hexavalent chromium (Cr(VI)) as Potassium dichromate)

Canada Hazardous Products Regulation This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

WHMIS 1988 Hazard Class

D1A Very toxic materials
D2A Very toxic materials

Product code: S1242

Product name: SODIUM
CHROMATE, ANHYDROUS

13 / 16

Components
Sodium Chromate, Anhydrous

WHMIS 1988
D1A,D2A,D2B

Canada Controlled Products Regulation:

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

Components	WHMIS Ingredient Disclosure List -
Sodium Chromate, Anhydrous	1 %

Inventory

Components	CAS-No.	Canada (DSL)	Canada (NDSL)
Sodium Chromate, Anhydrous	7775-11-3	Present	Not Listed

Components	CAS-No.	CEPA Schedule I - Toxic Substances
Sodium Chromate, Anhydrous	7775-11-3	Not listed
Components	CAS-No.	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Sodium Chromate, Anhydrous	7775-11-3	Not listed

EU Classification

EU GHS - SV - CLP 1272/2008

Components	CAS-No.	EU GHS - SV - CLP (1272/2008)
Sodium Chromate, Anhydrous	7775-11-3	Acute toxicity - Oral - Acute Tox. 3: H301 Toxic if swallowed. (Minimum classification); Acute toxicity - Dermal - Acute Tox. 4: H312 Harmful in contact with skin. (Minimum classification); Acute toxicity - Inhalation - Acute Tox. 2: H330 Fatal if inhaled. (Minimum classification); Skin corrosion/irritation - Skin Corr. 1B: H314 Causes severe skin burns and eye damage.; Respiratory sensitizers - Resp. Sens. 1: H334 May cause allergic or asthmatic symptoms or breathing difficulties if inhaled. (C >= 0.2 %); Skin sensitizers - Skin Sens. 1: H317 May cause allergic skin reaction. (C >= 0.2 %); Germ cell mutagenicity - Muta. 1B: H340 May cause genetic defects.; Carcinogenicity - Carc. 1B: H350 May cause cancer.; Reproductive Toxicity - Repr. 1B: H360FD May damage fertility. May damage the unborn child.; Specific target organ toxicity - Repeated exposure - STOT RE 1: H372 Causes damage to organs through prolonged or repeated exposure. (No information to prove exclusion of certain routes of exposure); Hazardous to aquatic environment - acute hazard - Aquatic Acute 1: H400 Very toxic to aquatic life.; Hazardous to aquatic environment - chronic hazard - Aquatic Chronic 1: H410 Very toxic to aquatic life with long lasting effects.024-018-00-3

		Respiratory sensitizers - Resp. Sens. 1: H334 May cause allergic or asthmatic symptoms or breathing difficulties if inhaled. (C >= 0.2 %); Skin sensitizers - Skin Sens. 1: H317 May cause allergic skin reaction. (C >= 0.2 %)024-018-00-3
--	--	---

EU - CLP (1272/2008)

R-phrase(s)

- R21 - Harmful in contact with skin.
- R25 - Toxic if swallowed.
- R26 - Very toxic by inhalation.
- R34 - Causes burns.
- R45 - May cause cancer.
- R46 - May cause heritable genetic damage.
- R50 - Very toxic to aquatic organisms.
- R51 - Toxic to aquatic organisms.
- R52 - Harmful to aquatic organisms.
- R53 - May cause long-term adverse effects in the aquatic environment.
- R60 - May impair fertility.
- R61 - May cause harm to the unborn child.
- R48/23 - Toxic: danger of serious damage to health by prolonged exposure through inhalation.
- R42/43 - May cause sensitization by inhalation and skin contact.

S -phrase(s)

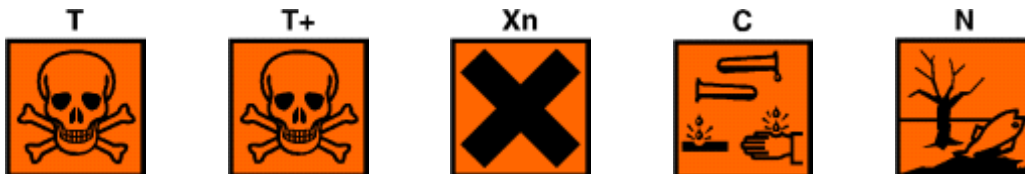
- S45 - In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- S53 - Avoid exposure - obtain special instructions before use.
- S60 - This material and its container must be disposed of as hazardous waste.
- S61 - Avoid release to the environment. Refer to special instructions/safety data sheets.

Components	CAS-No.	Classification	Concentration Limits:	Safety Phrases
Sodium Chromate, Anhydrous	7775-11-3	Xn; R21 T; R25-48/23 T+; R26 C; R34 R42/43 Carc.Cat.2; R45 Muta.Cat.2; R46 N; R50-53 Repr.Cat.2; R60-61	0.2%<=C R42/43	S: 53-45-60-61

The product is classified in accordance with Annex VI to Directive 67/548/EEC

Indication of danger:

- T - Toxic
- T+ - Very toxic.
- Xn - Harmful.
- C - Corrosive.
- N - Dangerous for the environment.



Product code: S1242

Product name: SODIUM CHROMATE, ANHYDROUS

15 / 16

16. OTHER INFORMATION

Preparation Date: 8/5/2015
Revision Date: 08/15/2018
Prepared by: Sonia Owen

Disclaimer: All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

End of Safety Data Sheet