

## SAFETY DATA SHEET

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifiers

Product name	Sodium Chromate, anhydrous
CAS number	7775-11-3
Synonyms	Disodium Chromate; Chromate of Soda

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses	Laboratory chemicals.
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#### 1.3 Details of the supplier of the safety data sheet

Company	Lab Alley, LLC 12501 Pauls Valley Road Austin, Texas 78737 U.S.A.
Telephone	512-668-9918
Fax	512-886-4008

#### 1.4 Emergency telephone

Emergency Phone #	US & Canada: 1-800-535-5053	INFOTRAC
	International 1-352-323-3500	INFOTRAC

### SECTION 2: Hazards identification


#### 2.1 Classification of the substance or mixture

##### GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Acute Oral Toxicity	Category 3
Acute Dermal Toxicity	Category 4
Acute Inhalation Toxicity	Category 2
Skin Corrosion/Irritation	Category 1
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
Specific Target Organ Toxicity (single exposure)	Category 3
Target Organ(s) - Respiratory system	
Specific Target Organ Toxicity (repeated exposure)	Category 1
Target Organ(s) - Liver, Kidney, Blood	

## 2.2 GHS Label elements, including precautionary statements

Pictogram	
Signal Word	Danger
Hazard statements	<p>Toxic if swallowed.</p> <p>Harmful in contact with skin.</p> <p>Fatal if inhaled.</p> <p>Causes severe skin burns and eye damage.</p> <p>May cause allergy or asthma symptoms or breathing difficulties if inhaled.</p> <p>May cause an allergic skin reaction.</p> <p>May cause genetic defects.</p> <p>May cause cancer.</p> <p>May damage fertility. May damage the unborn child.</p> <p>May cause respiratory irritation.</p> <p>Causes damage to organs through prolonged or repeated exposure.</p>
Precautionary statements	<p>Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash face, hands, and any exposed skin thoroughly after handling. Do not eat, drink, or smoke when using this product. Do not breathe dust/fume/gas/mist/vapors/spray. In case of inadequate ventilation wear respiratory protection. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves. Use only outdoors or in a well-ventilated area.</p> <p>Response: Immediately call a POISON CENTER or doctor/physician.</p> <p>IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.</p> <p>IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs, get medical advice/attention. Wash contaminated clothing before reuse.</p>

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

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

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

Disposal: Dispose of contents/container to an approved waste disposal plant.

## 2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

Very toxic to aquatic life with long lasting effects.

WARNING: Cancer and Reproductive Harm - <https://www.p65warnings.ca.gov/>.

## SECTION 3: Composition/information on ingredients

### 3.1 Components

Chemical name	Common name and synonyms	CAS number	Concentration
Sodium chromate	Disodium chromate; Chromate of soda	7775-11-3	>95%

## SECTION 4: First aid measures

### 4.1 Description of first-aid measures

#### General advice

**If inhaled** Remove to fresh air. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give 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. If not breathing, give artificial respiration.

**In case of skin contact** Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Immediate medical attention is required.

**In case of eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.

**If swallowed** Do NOT induce vomiting. Call a physician or poison control center immediately.

### 4.2 Most important symptoms and effects, both acute and delayed

Causes burns by all exposure routes. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause allergic skin reaction. Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated: Ingestion causes severe swelling, severe damage to the delicate tissue, and danger of perforation. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing.

#### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

<b>Suitable extinguishing media</b>	CO <sub>2</sub> , dry chemical, dry sand, alcohol-resistant foam.
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<b>Unsuitable extinguishing media</b>	No information available.
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#### 5.2 Specific hazards arising from the substance or mixture

Very toxic by inhalation. Corrosive material. Thermal decomposition can lead to release of irritating gases and vapors. Keep product and empty container away from heat and sources of ignition. Do not allow run-off from fire-fighting to enter drains or water courses.

Hazardous Combustion Products: Sodium oxides. Chromium oxide.

#### 5.3 Special protective equipment and precautions for firefighters

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

#### 5.4 Further information

<b>Flash Point</b>	No information available.
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<b>Autoignition Temperature</b>	No information available.
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##### Explosion limits

<b>Upper</b>	No data available.
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<b>Lower</b>	No data available.
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<b>Sensitivity to Mechanical Impact</b>	No information available.
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<b>Sensitivity to Static Discharge</b>	No information available.
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<b>NFPA</b>	
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Health	Flammability	Instability	Physical hazards
4	1	1	N/A

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

Wear self-contained breathing apparatus and protective suit. Evacuate personnel to safe areas. Ensure adequate ventilation. Avoid dust formation. Do not get in eyes, on skin, or on clothing.

### 6.2 Environmental precautions

Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate ground water system. Prevent product from entering drains. Local authorities should be advised if significant spillages cannot be contained. Should not be released into the environment.

### 6.3 Methods and materials for containment and cleaning up

Wear self-contained breathing apparatus and protective suit. Sweep up and shovel into suitable containers for disposal. Avoid dust formation.

### 6.4 Reference to other sections

See Section 2 for full list of hazard and precaution statements.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Precautions on safe handling

Use only under a chemical fume hood. Wear personal protective equipment/face protection. Do not get in eyes, on skin, or on clothing. Avoid dust formation. Do not breathe dust. Do not ingest. If swallowed, seek immediate medical assistance.

#### Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Storage conditions

Keep containers tightly closed in a dry, cool, and well-ventilated place. Corrosives area.

#### Incompatibilities

Strong reducing agents.

## SECTION 8: Exposure controls/personal protection

### 8.1 Occupational exposure limits

**US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)**

Component	Type	Value
Sodium chromate	(Vacated) Ceiling	0.1 mg/m3
	Ceiling	0.1 mg/m3

**US. ACGIH Threshold Limit Values**

Component	Type	Value
Sodium chromate	TWA	0.0002 mg/m3
	STEL	0.0005 mg/m3

**US. NIOSH: Pocket Guide to Chemical Hazards**

Component	Type	Value
Sodium chromate	IDLH	15 mg/m3
	TWA	0.0002 mg/m3

**Biological occupational exposure limits**

No information available.

## 8.2 Exposure controls

**Appropriate engineering controls**

Use only under a chemical fume hood. Ensure adequate ventilation, especially in confined areas. Ensure that eyewash stations and safety showers are close to the workstation location.

**Personal protective equipment****Eye/face protection**

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 protection**

Wear appropriate protective gloves and clothing to prevent skin exposure.

**Body Protection**

Wear appropriate protective gloves and clothing to prevent skin exposure.

**Respiratory protection**

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.

Recommended Filter type: Particulates filter conforming to EN 143.

**Control of environmental exposure**

No information available.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical State	Solid
Appearance	Yellow
Odor	No information available
Odor Threshold	No information available
pH	9.2 (100 g/L aq.sol)
Melting Point/Range	792 °C / 1457.6 °F
Boiling Point/Range	No information available
Evaporation Rate	Not applicable
Flammability (solid)	No information available
Flammability or explosive limit	No data available
Upper	
Lower	
Vapor Pressure	No information available
Vapor Density	Not applicable
Density	2.71 - 2.73 g/cm <sup>3</sup> (bulk)
Solubility	No information available
Partition coefficient; n-octanol/water	No data available
Autoignition Temp	No information available
Decomposition Temp	No information available
Viscosity	Not applicable
Molecular Formula	Cr Na <sub>2</sub> O <sub>4</sub>
Molecular Weight	161.97 g/mol
VOC Content(%)	No information available
Oxidizing properties	No information available

### 9.2 Other safety information

No information available.

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No information available.

### 10.2 Chemical stability

Hygroscopic.

### 10.3 Possibility of hazardous reactions

None under normal processing.

### 10.4 Conditions to avoid

Avoid dust formation. Incompatible products. Excess heat. Exposure to moisture.

## 10.5 Incompatible materials

Strong reducing agents.

## 10.6 Hazardous decomposition products

Sodium oxides, Chromium oxide.

# SECTION 11: Toxicological information

## 11.1 Information on toxicological effects

### Product Information, Component Information

#### Acute toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium chromate	136 mg/kg (Rat)	1330 mg/kg (Rabbit)	104 mg/m3 (Rat) 4h

#### Skin corrosion/irritation

Causes burns by all exposure routes.

#### Serious eye damage/eye irritation

Causes burns by all exposure routes.

#### Respiratory or skin sensitization

May cause sensitization by skin contact.

#### Germ cell mutagenicity

Mutagenic.

#### Carcinogenicity

Component	CAS	IARC	NTP	ACGIH	OSHA	Mexico
Sodium chromate	7775-11-3	Group 1	Known	A1	X	A1

#### Specific target organ toxicity - single exposure

Respiratory system.

#### Specific target organ toxicity - repeated exposure

Liver, Kidney, Blood.

#### Reproductive toxicity

May impair fertility. May cause harm to the unborn child. Teratogenic effects have occurred in experimental animals.

#### Chronic effects



Possible perforation of stomach or esophagus should be investigated: Ingestion causes severe swelling, severe damage to the delicate tissue, and danger of perforation. Symptoms of allergic reaction may include rash, itching, swelling, trouble breathing, tingling of the hands and feet, dizziness, lightheadedness, chest pain, muscle pain, or flushing.

## 11.2 Additional Information

The toxicological properties have not been fully investigated.

## SECTION 12: Ecological information

### 12.1 Toxicity

Very toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment. Do not allow material to contaminate ground water system.

Product		Species	Test Results
Sodium chromate	LC50	Lepomis macrochirus	118 mg/L, 96h static
	LC50	Pimephales promelas	3 mg/L, 96h
	EC50	Daphnia magna	0.0183 - 0.023 mg/L, 48h static

### 12.2 Persistence and degradability

May persist based on information available.

### 12.3 Bio accumulative potential

No information available.

### 12.4 Mobility in soil

Will likely be mobile in the environment due to its water solubility

### 12.5 Results of PBT and vPvB assessment

No information available.

### 12.6 Endocrine disrupting properties

No information available.

### 12.7 Other adverse effects

No information available.

## SECTION 13: Disposal considerations

### 13.1 Waste Disposal Methods

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

## SECTION 14: Transport information

**DOT (US)**

UN-no	UN3290
Proper Shipping Name	TOXIC SOLID, CORROSIVE, INORGANIC, N.O.S.
Hazard Class	6.1
Subsidiary Hazard Class	8
Packing Group	II

**IMDG**

UN-no	UN3290
Proper Shipping Name	TOXIC SOLID, CORROSIVE, INORGANIC, N.O.S.
Hazard Class	6.1
Subsidiary Hazard Class	8
Packing Group	II

**IATA**

UN-no	UN3290
Proper Shipping Name	TOXIC SOLID, CORROSIVE, INORGANIC, N.O.S.
Hazard Class	6.1
Subsidiary Hazard Class	8
Packing Group	II

**SECTION 15: Regulatory information**

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)**

Listed, Sodium chromate (CAS #7775-11-3), Section 6.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Listed, Sodium chromate (CAS #7775-11-3), RQ: 10 lb.

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Listed, Sodium chromate (CAS #7775-11-3).

**Superfund Amendments and Reauthorization Act of 1986 (SARA)****SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous**

See Section 2 for more information.

**SARA 313 (TRI reporting)**

Listed, Sodium chromate (CAS #7775-11-3).

#### **Other federal regulations**

##### **Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Listed, Sodium chromate (CAS #7775-11-3).

##### **Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Not regulated.

##### **Clean Water Act (CWA)**

Listed, Sodium chromate (CAS #7775-11-3), RQ: 10 lb.

##### **FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace**

Not listed.

#### **US state regulations**

##### **US. Massachusetts RTK - Substance List**

Listed, Sodium chromate (CAS #7775-11-3).

##### **US. New Jersey Worker and Community Right-to-Know Act**

Listed, Sodium chromate (CAS #7775-11-3).

##### **US. Pennsylvania Worker and Community Right-to-Know Law**

Listed, Sodium chromate (CAS #7775-11-3).

##### **California Proposition 65**

Listed, Sodium chromate (CAS #7775-11-3).

### **SECTION 16: Other information**

Issue date: 09/23/2022

Revision 1: 02/14/2025

### **SECTION 17: Disclaimer**

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.