

# Safety Data Sheet

According to OSHA Hazard Communication Standard, 29 CFR 1910.1200

Initial preparation date: 01.23.2018

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## Sodium Chromate

### SECTION 1: Identification

#### Product identifier

**Product name:** Sodium Chromate

**Product code:** SC4310

#### Recommended use of the product and restriction on use

**Relevant identified uses:** Laboratory chemicals

**Uses advised against:** Not determined or not applicable.

**Reasons why uses advised against:** Not determined or not applicable.

#### Manufacturer or supplier details

**Manufacturer:**

**United States**

AquaPhoenix Scientific, Inc.

860 Gitts Run Road

Hanover, PA 17331

1-717-632-1291

#### Emergency telephone number:

**United States**

**ChemTel Inc**

+1(800)255-3924

+1(813)248-0585

### SECTION 2: Hazard(s) identification

#### GHS classification:

Acute toxicity (oral), category 3

Acute toxicity (dermal), category 4

Acute toxicity (inhalation), category 2

Skin corrosion, category 1B

Skin sensitization, category 1

Serious eye damage, category 1

Respiratory sensitization, category 1

Germ cell mutagenicity, category 1B

Carcinogenicity, category 1B

Reproductive toxicity, category 1B

Specific target organ toxicity - repeated exposure, category 1

Acute aquatic hazard, category 1

Chronic aquatic hazard, category 1

#### Label elements

##### Hazard pictograms:



**Signal word:** Danger

#### Hazard statements:

H301 Toxic if swallowed

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H312 Harmful in contact with skin  
H330 Fatal if inhaled  
H314 Causes severe skin burns and eye damage  
H317 May cause an allergic skin reaction  
H318 Causes serious eye damage  
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled  
H340 May cause genetic defects  
H350 May cause cancer  
H360 May damage fertility or the unborn child  
H372 Causes damage to organs through prolonged or repeated exposure  
H400 Very toxic to aquatic life  
H410 Very toxic to aquatic life with long lasting effects

#### Precautionary statements:

P264 Wash skin thoroughly after handling  
P270 Do not eat, drink or smoke when using this product  
P280 Wear protective gloves/protective clothing/eye protection/face protection  
P260 Do not breathe dust/fume/gas/mist/vapors/spray  
P271 Use only outdoors or in a well-ventilated area  
P284 Wear respiratory protection  
P272 Contaminated work clothing should not be allowed out of the workplace  
P285 In case of inadequate ventilation wear respiratory protection  
P201 Obtain special instructions before use  
P202 Do not handle until all safety precautions have been read and understood  
P273 Avoid release to the environment  
P363 Wash contaminated clothing before reuse  
P302+P352+P312 If on skin: Wash with soap and water. Call a poison center or doctor/physician if you feel unwell  
P320 Specific treatment is urgent (see ... on this label)  
P304+P340+P310 If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician  
P301+P330+P331+P310 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.  
P303+P361+P353+P310 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician.  
P305+P351+P338+P310 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.  
P333+P313 If skin irritation or a rash occurs: Get medical advice/attention  
P308+P313 If exposed or concerned: Get medical advice/attention  
P391 Collect spillage  
P405 Store locked up  
P403+P233 Store in a well ventilated place. Keep container tightly closed  
P501 Dispose of contents and container as instructed in Section 13

**Hazards not otherwise classified:** None

### SECTION 3: Composition/information on ingredients

Identification	Name	Weight %
CAS number: 7775-11-3	Sodium Chromate	100

**Additional Information:** None

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#### SECTION 4: First aid measures

##### Description of first aid measures

###### General notes:

Not determined or not applicable.

###### After inhalation:

Loosen clothing as necessary and position individual in a comfortable position

Maintain an unobstructed airway

Move exposed individual to fresh air

Immediately call a POISON CONTROL CENTER or seek medical attention

###### After skin contact:

Rinse affected area with soap and water

If symptoms develop or persist, seek medical attention

Wash affected area with soap and water

Seek medical attention if symptoms develop or persist

Immediately remove all contaminated clothing

Immediately call a POISON CONTROL CENTER or seek medical attention

###### After eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes

If symptoms develop or persist, seek medical attention

Remove contact lens(es) if able to do so during rinsing

Immediately call a POISON CONTROL CENTER or seek medical attention

###### After swallowing:

Rinse mouth thoroughly

Seek medical attention if irritation, discomfort, or vomiting persists

Immediately call a POISON CONTROL CENTER or seek medical attention

Do not induce vomiting

Rinse mouth and then drink plenty of water

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

###### Acute symptoms and effects:

Not determined or not applicable.

###### Delayed symptoms and effects:

Not determined or not applicable.

##### Immediate medical attention and special treatment

###### Specific treatment:

Not determined or not applicable.

###### Notes for the doctor:

Not determined or not applicable.

#### SECTION 5: Firefighting measures

##### Extinguishing media

###### Suitable extinguishing media:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition

###### Unsuitable extinguishing media:

Not determined or not applicable.

##### Specific hazards during fire-fighting:

Thermal decomposition can lead to release of irritating gases and vapors

##### Special protective equipment for firefighters:

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Wear protective eye wear, gloves and clothing  
Refer to Section 8

#### Special precautions:

Avoid inhaling gases, fumes, dust, mist, vapor and aerosols  
Avoid contact with skin, eyes and clothing

### SECTION 6: Accidental release measures

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

Ensure adequate ventilation  
Ensure air handling systems are operational  
Wear protective eye wear, gloves and clothing

#### Environmental precautions:

Should not be released into the environment  
Prevent from reaching drains, sewer or waterway

#### Methods and material for containment and cleaning up:

Wear protective eye wear, gloves and clothing

#### Reference to other sections:

Not determined or not applicable.

### SECTION 7: Handling and storage

#### Precautions for safe handling:

Do not eat, drink, smoke or use personal products when handling chemical substances.  
Avoid breathing mist or vapor.

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

Store in a cool, well-ventilated area.

### SECTION 8: Exposure controls/personal protection

Only those substances with limit values have been included below.

#### Occupational Exposure limit values:

Country (Legal Basis)	Substance	Identifier	Permissible concentration
ACGIH	Sodium Chromate	7775-11-3	ACGIH TLV: 0.05 mg/m3 (as Cr)
United States (OSHA)	Sodium Chromate	7775-11-3	OSHA PEL: 0.005 mg/m3 (as Cr)

#### Biological limit values:

No biological exposure limits noted for the ingredient(s).

#### Information on monitoring procedures:

Not determined or not applicable.

#### Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

#### Personal protection equipment

##### Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

##### Skin and body protection:

Select glove material impermeable and resistant to the substance.

##### Respiratory protection:

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When necessary, use NIOSH-approved breathing equipment.

#### General hygienic measures:

Wash hands before breaks and at the end of work.

Avoid contact with skin, eyes and clothing.

### SECTION 9: Physical and chemical properties

#### Information on basic physical and chemical properties

Appearance	Yellow solid
Odor	Odorless
Odor threshold	Not determined or not available.
pH	9.2
Melting point/freezing point	792°C
Initial boiling point/range	Not determined or not available.
Flash point (closed cup)	Not determined or not available.
Evaporation rate	Not determined or not available.
Flammability (solid, gas)	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	Not determined or not available.
Vapor density	Not determined or not available.
Density	Not determined or not available.
Relative density	Not determined or not available.
Solubilities	Soluble in water.
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Not determined or not available.
Decomposition temperature	Not determined or not available.
Dynamic viscosity	Not determined or not available.
Kinematic viscosity	Not determined or not available.
Explosive properties	Not determined or not available.
Oxidizing properties	Not determined or not available.

#### Other information

### SECTION 10: Stability and reactivity

#### Reactivity:

Does not react under normal conditions of use and storage.

#### Chemical stability:

Hygroscopic: absorbs moisture or water from the air.

#### Possibility of hazardous reactions:

None under normal conditions of use and storage.

#### Conditions to avoid:

Incompatible materials, dust generation, combustible materials, exposure to moist air or water. Store away from oxidizing agents, strong acids or bases.

#### Incompatible materials:

Strong oxidizing agents, strong reducing agents. Strong acids. Strong bases.

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#### Hazardous decomposition products:

Toxic fumes of sodium oxide, toxic chromium oxide fumes. Carbon oxides (CO, CO<sub>2</sub>).

### SECTION 11: Toxicological information

#### Acute toxicity

**Assessment:** Toxic if swallowed Harmful in contact with skin Fatal if inhaled

**Product data:** No data available.

#### Substance data:

Name	Route	Result
Sodium Chromate	inhalation	LC50: Rat- 33 mg/m <sup>3</sup> /4h
	oral	LD50: Rat - 136 mg/kg
	dermal	LDLo: Guinea pig - 206 mg/kg

#### Skin corrosion/irritation

**Assessment:** Causes severe skin burns and eye damage

**Product data:** No data available.

**Substance data:** No data available.

#### Serious eye damage/irritation

**Assessment:** Causes serious eye damage

**Product data:** No data available.

**Substance data:** No data available.

#### Respiratory or skin sensitization

**Assessment:** May cause an allergic skin reaction May cause allergy or asthma symptoms or breathing difficulties if inhaled

**Product data:** No data available.

**Substance data:** No data available.

#### Carcinogenicity

**Assessment:** May cause cancer

**Product data:** No data available.

**Substance data:** No data available.

**International Agency for Research on Cancer (IARC):** None of the ingredients are listed.

**National Toxicology Program (NTP):** None of the ingredients are listed.

#### Germ cell mutagenicity

**Assessment:** May cause genetic defects

**Product data:** No data available.

**Substance data:** No data available.

#### Reproductive toxicity

**Assessment:** May damage fertility or the unborn child

**Product data:** No data available.

**Substance data:** No data available.

#### Specific target organ toxicity (single exposure)

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

#### Specific target organ toxicity (repeated exposure)

**Assessment:** Causes damage to organs through prolonged or repeated exposure

**Product data:** No data available.

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**Substance data:** No data available.

### Aspiration toxicity

**Assessment:** Based on available data, the classification criteria are not met.

**Product data:** No data available.

**Substance data:** No data available.

**Information on likely routes of exposure:** No data available.

**Symptoms related to the physical, chemical and toxicological characteristics:** No data available.

**Other information:** No data available.

## SECTION 12: Ecological information

### Acute (short-term) toxicity

**Assessment:** Very toxic to aquatic life

**Product data:** No data available.

**Substance data:** No data available.

### Chronic (long-term) toxicity

**Product data:** No data available.

**Substance data:** No data available.

### Persistence and degradability

**Product data:** No data available.

**Substance data:** No data available.

### Bioaccumulative potential

**Product data:** No data available.

**Substance data:** No data available.

### Mobility in soil

**Product data:** No data available.

**Substance data:** No data available.

**Other adverse effects:** No data available.




## SECTION 13: Disposal considerations

### Disposal methods:

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities (US 40CFR262.11)

## SECTION 14: Transport information

### United States Transportation of dangerous goods (49 CFR DOT)

UN number	UN3087
UN proper shipping name	Toxic solid, inorganic, n.o.s. ( Sodium chromate tetrahydrate )
UN transport hazard class(es)	5.1 (9)   
Packing group	III
Environmental hazards	Marine Pollutant
Special precautions for user	None

### International Maritime Dangerous Goods (IMDG)

UN number	UN3087
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

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UN proper shipping name	Toxic solid, inorganic, n.o.s. ( Sodium chromate tetrahydrate )
UN transport hazard class(es)	5.1 (9)   
Packing group	III
Environmental hazards	Marine Pollutant
Special precautions for user	None

### International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number	UN3087
UN proper shipping name	Toxic solid, inorganic, n.o.s. ( Sodium chromate tetrahydrate )
UN transport hazard class(es)	5.1 (9)   
Packing group	III
Environmental hazards	Marine Pollutant
Special precautions for user	None

## SECTION 15: Regulatory information

### United States regulations

#### Inventory listing (TSCA):

7775-11-3	Sodium Chromate	Listed
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Significant New Use Rule (TSCA Section 5): Not determined.

Export notification under TSCA Section 12(b): Not determined.

#### SARA Section 311/312 hazards:

Acute	Chronic	Fire	Pressure	Reactive
No	No	No	No	No

SARA Section 302 extremely hazardous substances: Not determined.

#### SARA Section 313 toxic chemicals:

7775-11-3	Sodium Chromate	Not Listed
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#### CERCLA:

7775-11-3	Sodium Chromate	Listed	10 lbs.
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RCRA: Not determined.

Section 112(r) of the Clean Air Act (CAA): Not determined.

#### Massachusetts Right to Know:

7775-11-3	Sodium Chromate	Listed
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#### New Jersey Right to Know:

7775-11-3	Sodium Chromate	Listed
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#### New York Right to Know:

7775-11-3	Sodium Chromate	Listed
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#### Pennsylvania Right to Know:

7775-11-3	Sodium Chromate	Listed
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**California Proposition 65:** None of the ingredients are listed.

### SECTION 16: Other information

**Abbreviations and Acronyms:** None

**Disclaimer:**

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material.

**NFPA:** 4-0-1

**HMIS:** 4-0-1-X

**Initial preparation date:** 01.23.2018

**End of Safety Data Sheet**