

## SAFETY DATA SHEET

Creation Date 16-Nov-2010

Revision Date 21-Mar-2022

Revision Number 3

### 1. Identification

**Product Name** Sodium dichromate, dihydrate

**Cat No. :** 12611

**CAS No** 7789-12-0  
**Synonyms** Sodium bichromate

**Recommended Use** Laboratory chemicals.  
**Uses advised against** Food, drug, pesticide or biocidal product use.

#### Details of the supplier of the safety data sheet

##### Company

Alfa Aesar  
Thermo Fisher Scientific Chemicals, Inc.  
30 Bond Street  
Ward Hill, MA 01835-8099  
Tel: 800-343-0660  
Fax: 800-322-4757  
**Email:** tech@alfa.com  
www.alfa.com

**Emergency Telephone Number** During normal business hours (Monday-Friday, 8am-7pm EST), call (800) 343-0660.  
After normal business hours, call Carechem 24 at (866) 928-0789.

### 2. Hazard(s) identification

#### Classification

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

|                                                      |              |
|------------------------------------------------------|--------------|
| Oxidizing solids                                     | Category 2   |
| Acute oral toxicity                                  | Category 3   |
| Acute dermal toxicity                                | Category 4   |
| Acute Inhalation Toxicity - Dusts and Mists          | Category 2   |
| Skin Corrosion/Irritation                            | Category 1 B |
| Serious Eye Damage/Eye Irritation                    | Category 1   |
| Respiratory Sensitization                            | Category 1   |
| Skin Sensitization                                   | Category 1   |
| Germ Cell Mutagenicity                               | Category 1B  |
| Carcinogenicity                                      | Category 1B  |
| Reproductive Toxicity                                | Category 1B  |
| Specific target organ toxicity (single exposure)     | Category 3   |
| Target Organs - Respiratory system.                  |              |
| Specific target organ toxicity - (repeated exposure) | Category 1   |

Target Organs - Liver, Kidney, Blood.

### **Label Elements**

#### **Signal Word**

Danger

#### **Hazard Statements**

May intensify fire; oxidizer

Toxic if swallowed

Harmful in contact with skin

Causes severe skin burns and eye damage

May cause respiratory irritation

May cause an allergic skin reaction

Fatal if inhaled

May cause allergy or asthma symptoms or breathing difficulties if inhaled

May cause genetic defects

May cause cancer

May damage fertility. May damage the unborn child

Causes damage to organs through prolonged or repeated exposure



#### **Precautionary Statements**

##### **Prevention**

In case of inadequate ventilation wear respiratory protection

Contaminated work clothing should not be allowed out of the workplace

Wear protective gloves

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

Use only outdoors or in a well-ventilated area

Wear respiratory protection

Keep away from heat/sparks/open flames/hot surfaces. - No smoking

Keep/Store away from clothing/ other combustible materials

Take any precaution to avoid mixing with combustibles

##### **Response**

Immediately call a POISON CENTER or doctor/physician

##### **Inhalation**

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

##### **Skin**

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

Wash contaminated clothing before reuse

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

##### **Eyes**

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

##### **Ingestion**

Rinse mouth

Do NOT induce vomiting

**Fire**

In case of fire: Use CO<sub>2</sub>, dry chemical, or foam for extinction

**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

**Hazards not otherwise classified (HNOC)**

Very toxic to aquatic life with long lasting effects

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

### 3. Composition/Information on Ingredients

| Component                   | CAS No     | Weight % |
|-----------------------------|------------|----------|
| Sodium dichromate dihydrate | 7789-12-0  | <=100    |
| Sodium dichromate           | 10588-01-9 | -        |

### 4. First-aid measures

**General Advice**

Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

**Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention.

**Skin Contact**

Wash off immediately with plenty of water for at least 15 minutes. Immediate medical attention is required.

**Inhalation**

Remove to fresh air. If not breathing, give artificial respiration. 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.

**Ingestion**

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

**Most important symptoms and effects**

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

**Notes to Physician**

Treat symptomatically

### 5. Fire-fighting measures

**Suitable Extinguishing Media**

CO<sub>2</sub>, dry chemical, dry sand, alcohol-resistant foam.

**Unsuitable Extinguishing Media**

No information available

**Flash Point  
Method -**

No information available  
No information available

**Autoignition Temperature  
Explosion Limits**

No information available

**Upper  
Lower**

No data available  
No data available

**Oxidizing Properties**

Oxidizer

**Sensitivity to Mechanical Impact** No information available**Sensitivity to Static Discharge** No information available**Specific Hazards Arising from the Chemical**

The product causes burns of eyes, skin and mucous membranes. Oxidizer: Contact with combustible/organic material may cause fire. May ignite combustibles (wood paper, oil, clothing, etc.). Do not allow run-off from fire-fighting to enter drains or water courses.

**Hazardous Combustion Products**

Toxic fumes. Chromium oxide. Sodium oxides.

**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. Thermal decomposition can lead to release of irritating gases and vapors.

**NFPA**Health  
4Flammability  
0Instability  
1Physical hazards  
OX**6. Accidental release measures****Personal Precautions**

Use personal protective equipment as required. Evacuate personnel to safe areas. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid dust formation.

**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.

**Methods for Containment and Clean Up**

Sweep up and shovel into suitable containers for disposal. Avoid dust formation. Soak up with inert absorbent material. Keep in suitable, closed containers for disposal. Sweep up and shovel into suitable containers for disposal.

**7. Handling and storage****Handling**

Wear personal protective equipment/face protection. Do not get in eyes, on skin, or on clothing. Use only under a chemical fume hood. Do not ingest. If swallowed then seek immediate medical assistance. Do not breathe (dust, vapor, mist, gas). Avoid dust formation. Keep away from clothing and other combustible materials.

**Storage.**

Keep containers tightly closed in a dry, cool and well-ventilated place. Corrosives area. Do not store near combustible materials. Incompatible Materials. Organic materials. Acids. Water. Strong bases. Acid anhydrides. Metals. Reducing Agent. Finely powdered metals. Strong reducing agents. Combustible material.

**8. Exposure controls / personal protection****Exposure Guidelines**

| Component                   | ACGIH TLV                                                               | OSHA PEL                                                                   | NIOSH IDLH                                                  | Mexico OEL (TWA)            |
|-----------------------------|-------------------------------------------------------------------------|----------------------------------------------------------------------------|-------------------------------------------------------------|-----------------------------|
| Sodium dichromate dihydrate | TWA: 0.0002 mg/m <sup>3</sup><br>STEL: 0.0005 mg/m <sup>3</sup><br>Skin | (Vacated) Ceiling: 0.1 mg/m <sup>3</sup><br>Ceiling: 0.1 mg/m <sup>3</sup> | IDLH: 15 mg/m <sup>3</sup><br>TWA: 0.0002 mg/m <sup>3</sup> | TWA: 0.05 mg/m <sup>3</sup> |
| Sodium dichromate           | TWA: 0.0002 mg/m <sup>3</sup><br>STEL: 0.0005 mg/m <sup>3</sup><br>Skin | (Vacated) Ceiling: 0.1 mg/m <sup>3</sup><br>Ceiling: 0.1 mg/m <sup>3</sup> | IDLH: 15 mg/m <sup>3</sup><br>TWA: 0.0002 mg/m <sup>3</sup> | TWA: 0.05 mg/m <sup>3</sup> |

**Legend**

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration

NIOSH IDLH: NIOSH - National Institute for Occupational Safety and Health

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

#### Personal Protective Equipment

**Eye/face Protection** Tight sealing safety goggles. Face protection shield.

**Skin and 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.

**Hygiene Measures** Handle in accordance with good industrial hygiene and safety practice.

### 9. Physical and chemical properties

|                                               |                                                                     |
|-----------------------------------------------|---------------------------------------------------------------------|
| <b>Physical State</b>                         | Solid                                                               |
| <b>Appearance</b>                             | Orange                                                              |
| <b>Odor</b>                                   | Odorless                                                            |
| <b>Odor Threshold</b>                         | No information available                                            |
| <b>pH</b>                                     | 3.5-3.9 5% aq.sol                                                   |
| <b>Melting Point/Range</b>                    | 357 °C / 674.6 °F                                                   |
| <b>Boiling Point/Range</b>                    | 400 °C / 752 °F @ 760 mmHg                                          |
| <b>Flash Point</b>                            | No information available                                            |
| <b>Evaporation Rate</b>                       | Not applicable                                                      |
| <b>Flammability (solid,gas)</b>               | No information available                                            |
| <b>Flammability or explosive limits</b>       |                                                                     |
| <b>Upper</b>                                  | No data available                                                   |
| <b>Lower</b>                                  | No data available                                                   |
| <b>Vapor Pressure</b>                         | No information available                                            |
| <b>Vapor Density</b>                          | Not applicable                                                      |
| <b>Specific Gravity</b>                       | No information available                                            |
| <b>Solubility</b>                             | No information available                                            |
| <b>Partition coefficient; n-octanol/water</b> | No data available                                                   |
| <b>Autoignition Temperature</b>               | No information available                                            |
| <b>Decomposition Temperature</b>              | 400 °C                                                              |
| <b>Viscosity</b>                              | Not applicable                                                      |
| <b>Molecular Formula</b>                      | Cr <sub>2</sub> Na <sub>2</sub> O <sub>7</sub> · 2 H <sub>2</sub> O |
| <b>Molecular Weight</b>                       | 298                                                                 |

### 10. Stability and reactivity

|                                         |                                                                                                                                                              |
|-----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reactive Hazard</b>                  | Yes                                                                                                                                                          |
| <b>Stability</b>                        | Oxidizer: Contact with combustible/organic material may cause fire.                                                                                          |
| <b>Conditions to Avoid</b>              | Incompatible products. Excess heat. Combustible material.                                                                                                    |
| <b>Incompatible Materials</b>           | Organic materials, Acids, Water, Strong bases, Acid anhydrides, Metals, Reducing Agent, Finely powdered metals, Strong reducing agents, Combustible material |
| <b>Hazardous Decomposition Products</b> | Toxic fumes, Chromium oxide, Sodium oxides                                                                                                                   |
| <b>Hazardous Polymerization</b>         | Hazardous polymerization does not occur.                                                                                                                     |
| <b>Hazardous Reactions</b>              | None under normal processing.                                                                                                                                |

## 11. Toxicological information

### Acute Toxicity

#### Product Information

#### Component Information

| Component         | LD50 Oral               | LD50 Dermal                 | LC50 Inhalation                          |
|-------------------|-------------------------|-----------------------------|------------------------------------------|
| Sodium dichromate | LD50 = 46 mg/kg ( Rat ) | LD50 = 960 mg/kg ( Rabbit ) | LC50 = 200 mg/m <sup>3</sup> ( Rat ) 4 h |

**Toxicologically Synergistic Products** No information available

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Irritation** Causes burns by all exposure routes

**Sensitization** No information available

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Component                   | CAS No     | IARC       | NTP   | ACGIH | OSHA | Mexico |
|-----------------------------|------------|------------|-------|-------|------|--------|
| Sodium dichromate dihydrate | 7789-12-0  | Not listed | Known | A1    | X    | A1     |
| Sodium dichromate           | 10588-01-9 | Group 1    | Known | A1    | X    | A1     |

*IARC (International Agency for Research on Cancer)*

*IARC (International Agency for Research on Cancer)*

*Group 1 - Carcinogenic to Humans*

*Group 2A - Probably Carcinogenic to Humans*

*Group 2B - Possibly Carcinogenic to Humans*

*NTP: (National Toxicity Program)*

*NTP: (National Toxicity Program)*

*Known - Known Carcinogen*

*Reasonably Anticipated - Reasonably Anticipated to be a Human Carcinogen*

*ACGIH: (American Conference of Governmental Industrial Hygienists)*

*A1 - Known Human Carcinogen*

*A2 - Suspected Human Carcinogen*

*A3 - Animal Carcinogen*

*ACGIH: (American Conference of Governmental Industrial Hygienists)*

*Mexico - Occupational Exposure Limits - Carcinogens*

*Mexico - Occupational Exposure Limits - Carcinogens*

*A1 - Confirmed Human Carcinogen*

*A2 - Suspected Human Carcinogen*

*A3 - Confirmed Animal Carcinogen*

*A4 - Not Classifiable as a Human Carcinogen*

*A5 - Not Suspected as a Human Carcinogen*

**Mutagenic Effects** Mutagenic

**Reproductive Effects** Possible risk of impaired fertility.

**Developmental Effects** No information available.

**Teratogenicity** Teratogenic effects have occurred in experimental animals.

**STOT - single exposure** Respiratory system

**STOT - repeated exposure** Liver Kidney Blood

**Aspiration hazard** No information available

**Symptoms / effects, both acute and delayed** 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

**Endocrine Disruptor Information** No information available

**Other Adverse Effects** The toxicological properties have not been fully investigated.

## 12. Ecological information

### Ecotoxicity

Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. The product contains following substances which are hazardous for the environment. May cause long-term adverse effects in the environment. Do not allow material to contaminate ground water system.

| Component         | Freshwater Algae | Freshwater Fish                                                                                                                                                            | Microtox   | Water Flea                                    |
|-------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----------------------------------------------|
| Sodium dichromate | Not listed       | LC50: = 69 mg/L, 96h flow-through (Oncorhynchus mykiss)<br>LC50: = 213 mg/L, 96h static (Lepomis macrochirus)<br>LC50: = 33.2 mg/L, 96h flow-through (Pimephales promelas) | Not listed | EC50: 0.098 - 0.129 mg/L, 48h (Daphnia magna) |

**Persistence and Degradability** based on information available. May persist

**Bioaccumulation/ Accumulation** No information available.

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

## 13. Disposal considerations

**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.

## 14. Transport information

### DOT

UN-No UN3087  
 Proper Shipping Name OXIDIZING SOLID, TOXIC, N.O.S.  
 Technical Name Sodium dichromate dihydrate  
 Hazard Class 5.1  
 Subsidiary Hazard Class 6.1  
 Packing Group II

### TDG

UN-No UN3087  
 Proper Shipping Name OXIDIZING SOLID, TOXIC, N.O.S.  
 Hazard Class 5.1  
 Subsidiary Hazard Class 6.1  
 Packing Group II

### IATA

UN-No UN3087  
 Proper Shipping Name OXIDIZING SOLID, TOXIC, N.O.S.  
 Hazard Class 5.1  
 Subsidiary Hazard Class 6.1  
 Packing Group II

### IMDG/IMO

UN-No UN3087  
 Proper Shipping Name OXIDIZING SOLID, TOXIC, N.O.S.  
 Hazard Class 5.1  
 Subsidiary Hazard Class 6.1  
 Packing Group II

## 15. Regulatory information

### United States of America Inventory

| Component | CAS No | TSCA | TSCA Inventory notification - Active-Inactive | TSCA - EPA Regulatory Flags |
|-----------|--------|------|-----------------------------------------------|-----------------------------|
|-----------|--------|------|-----------------------------------------------|-----------------------------|

|                             |            |   |        |   |
|-----------------------------|------------|---|--------|---|
| Sodium dichromate dihydrate | 7789-12-0  | - | -      | - |
| Sodium dichromate           | 10588-01-9 | X | ACTIVE | R |

**Legend:**

TSCA US EPA (TSCA) - Toxic Substances Control Act, (40 CFR Part 710)

X - Listed

- - Not Listed

**TSCA - Per 40 CFR 751, Regulation of Certain Chemical Substances & Mixtures, Under TSCA Section 6(h) (PBT)**

Not applicable

**TSCA 12(b) - Notices of Export**

| Component                   | CAS No     | TSCA 12(b) - Notices of Export |
|-----------------------------|------------|--------------------------------|
| Sodium dichromate dihydrate | 7789-12-0  | Section 6                      |
| Sodium dichromate           | 10588-01-9 | Section 6                      |

**International Inventories**

Canada (DSL/NDSL), Europe (EINECS/ELINCS/NLP), Philippines (PICCS), Japan (ENCS), Japan (ISHL), Australia (AICS), China (IECSC), Korea (KECL).

| Component                   | CAS No     | DSL | NDSL | EINECS    | PICCS | ENCS | ISHL | AICS | IECSC | KECL     |
|-----------------------------|------------|-----|------|-----------|-------|------|------|------|-------|----------|
| Sodium dichromate dihydrate | 7789-12-0  | -   | -    | -         | X     | -    | -    | X    | X     | -        |
| Sodium dichromate           | 10588-01-9 | X   | -    | 234-190-3 | X     | X    | X    | X    | X     | KE-31410 |

KECL - NIER number or KE number (<http://ncis.nier.go.kr/en/main.do>)**U.S. Federal Regulations****SARA 313**

| Component                   | CAS No     | Weight % | SARA 313 - Threshold Values % |
|-----------------------------|------------|----------|-------------------------------|
| Sodium dichromate dihydrate | 7789-12-0  | <=100    | 0.1                           |
| Sodium dichromate           | 10588-01-9 | -        | 0.1                           |

**SARA 311/312 Hazard Categories** See section 2 for more information**CWA (Clean Water Act)**

| Component                   | CWA - Hazardous Substances | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants |
|-----------------------------|----------------------------|-----------------------------|------------------------|---------------------------|
| Sodium dichromate dihydrate | -                          | -                           | X                      | -                         |
| Sodium dichromate           | X                          | 10 lb                       | X                      | -                         |

**Clean Air Act**

| Component                   | HAPS Data | Class 1 Ozone Depletors | Class 2 Ozone Depletors |
|-----------------------------|-----------|-------------------------|-------------------------|
| Sodium dichromate dihydrate | X         |                         | -                       |
| Sodium dichromate           | X         |                         | -                       |

**OSHA** - Occupational Safety and Health Administration

| Component                   | Specifically Regulated Chemicals      | Highly Hazardous Chemicals |
|-----------------------------|---------------------------------------|----------------------------|
| Sodium dichromate dihydrate | 5 µg/m³ TWA<br>2.5 µg/m³ Action Level | -                          |
| Sodium dichromate           | 5 µg/m³ TWA<br>2.5 µg/m³ Action Level | -                          |

**CERCLA**

| Component         | Hazardous Substances RQs | CERCLA EHS RQs |
|-------------------|--------------------------|----------------|
| Sodium dichromate | 10 lb                    | -              |



**California Proposition 65**

This product contains the following Proposition 65 chemicals.

| Component                   | CAS No     | California Prop. 65                                                     | Prop 65 NSRL | Category                    |
|-----------------------------|------------|-------------------------------------------------------------------------|--------------|-----------------------------|
| Sodium dichromate dihydrate | 7789-12-0  | Carcinogen<br>Developmental<br>Female Reproductive<br>Male Reproductive | -            | Developmental<br>Carcinogen |
| Sodium dichromate           | 10588-01-9 | Carcinogen<br>Developmental<br>Female Reproductive<br>Male Reproductive | -            | Developmental<br>Carcinogen |

**U.S. State Right-to-Know Regulations**

| Component                   | Massachusetts | New Jersey | Pennsylvania | Illinois | Rhode Island |
|-----------------------------|---------------|------------|--------------|----------|--------------|
| Sodium dichromate dihydrate | -             | X          | X            | X        | X            |
| Sodium dichromate           | X             | X          | X            | X        | X            |

**U.S. Department of Transportation**

Reportable Quantity (RQ): Y  
 DOT Marine Pollutant N  
 DOT Severe Marine Pollutant N

**U.S. Department of Homeland Security**

This product does not contain any DHS chemicals.

**Other International Regulations****Mexico - Grade**

No information available

**Authorisation/Restrictions according to EU REACH**

| Component                   | REACH (1907/2006) - Annex XIV - Substances Subject to Authorization                                                                                                                          | REACH (1907/2006) - Annex XVII - Restrictions on Certain Dangerous Substances                                                                                                                                                                                                                                                                                                                                                    | REACH Regulation (EC 1907/2006) article 59 - Candidate List of Substances of Very High Concern (SVHC)                    |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Sodium dichromate dihydrate | Carcinogenic Category 1B,<br>Mutagenic Category 1B, Toxic for reproduction Category 1B Article 57<br>Application date: March 21, 2016<br>Sunset date: September 21, 2017<br>Exemption - None | Use restricted. See item 28.<br>(see link for restriction details)<br>Use restricted. See item 47.<br>(see link for restriction details)<br>Use restricted. See item 75.<br>(see link for restriction details)                                                                                                                                                                                                                   | SVHC Candidate list - 234-190-3 - Carcinogenic, Article 57a; Mutagenic, Article 57b; Toxic for reproduction, Article 57c |
| Sodium dichromate           | Carcinogenic Category 1B,<br>Mutagenic Category 1B, Toxic for reproduction Category 1B Article 57<br>Application date: March 21, 2016<br>Sunset date: September 21, 2017<br>Exemption - None | Use restricted. See item 72.<br>(see link for restriction details)<br>Use restricted. See item 28.<br>(see link for restriction details)<br>Use restricted. See item 30.<br>(see link for restriction details)<br>Use restricted. See item 29.<br>(see link for restriction details)<br>Use restricted. See item 75.<br>(see link for restriction details)<br>Use restricted. See item 47.<br>(see link for restriction details) | SVHC Candidate list - 234-190-3 - Carcinogenic, Article 57a; Mutagenic, Article 57b; Toxic for reproduction, Article 57c |

After the sunset date the use of this substance requires either an authorization or can only be used for exempted uses, e.g. use in scientific research and development which includes routine analytics or use as intermediate.

<https://echa.europa.eu/authorisation-list>

<https://echa.europa.eu/substances-restricted-under-reach>

<https://echa.europa.eu/candidate-list-table>

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

| Component                   | CAS No     | OECD HPV       | Persistent Organic Pollutant | Ozone Depletion Potential | Restriction of Hazardous Substances (RoHS) |
|-----------------------------|------------|----------------|------------------------------|---------------------------|--------------------------------------------|
| Sodium dichromate dihydrate | 7789-12-0  | Not applicable | Not applicable               | Not applicable            | Not applicable                             |
| Sodium dichromate           | 10588-01-9 | Listed         | Not applicable               | Not applicable            | Not applicable                             |

| Component                   | CAS No     | Seveso III Directive (2012/18/EC) - Qualifying Quantities for Major Accident Notification | Seveso III Directive (2012/18/EC) - Qualifying Quantities for Safety Report Requirements | Rotterdam Convention (PIC) | Basel Convention (Hazardous Waste) |
|-----------------------------|------------|-------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------|------------------------------------|
| Sodium dichromate dihydrate | 7789-12-0  | Not applicable                                                                            | Not applicable                                                                           | Not applicable             | Annex I - Y21                      |
| Sodium dichromate           | 10588-01-9 | Not applicable                                                                            | Not applicable                                                                           | Not applicable             | Annex I - Y21                      |

## 16. Other information

**Prepared By** Health, Safety and Environmental Department  
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www.alfa.com

**Creation Date** 16-Nov-2010  
**Revision Date** 21-Mar-2022  
**Print Date** 21-Mar-2022  
**Revision Summary** SDS authoring systems update, replaces ChemGes SDS No. 7789-12-0.

### Disclaimer

The information provided in 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text

**End of SDS**