

SAFETY DATA SHEET

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

1.1 Product identifiers

Product name Sodium Chromate Indicator
CAS number See Section 3
Synonyms No information available

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

Identified uses Laboratory Chemicals

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)

Skin Corrosion / Irritation Category 1
Eye Damage / Irritation Category 2
Respiratory Sensitizer Category 1
Skin Sensitizer Category 1

Germ Cell Mutagenicity Category 2
Carcinogenicity Category 1
Reproductive Toxicity Category 1
Hazardous to the Aquatic Environment (Acute) Category 3
Hazardous to the Aquatic Environment (Chronic) Category 3

2.2 GHS Label elements, including precautionary statements

Pictogram



Signal Word

Danger

Hazard statements	Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Suspected of causing genetic defects. May cause cancer. May damage fertility or the unborn child. Harmful to aquatic life. Harmful to aquatic life with long lasting effects.
Precautionary statements	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe fumes, mist, vapors, or spray.

DO NOT BREATH FUMES, MIST, VAPORS, OR SPRAY.
Avoid breathing fumes, mist, vapors, or spray.
Wash arms, hands and face thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Avoid release to the environment.
Wear protective gloves and eye protection.
In case of inadequate ventilation wear respiratory protection.
IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
IF ON SKIN: Wash with plenty of soap and water.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical attention.
Immediately call a POISON CENTER or physician.
Specific treatment (Wash areas of contact with water).
If skin irritation occurs: Get medical attention.
If eye irritation persists: Get medical attention.
If experiencing respiratory symptoms: Call a POISON CENTER or physician.
Wash contaminated clothing before reuse.
Store locked up.
Dispose of contents in accordance with local, state, federal and international regulations.

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

Data not available.

SECTION 3: Composition/information on ingredients

3.1 Components

Chemical name	Common name and synonyms	CAS number	Concentration
Water	No information available	7732-18-5	99.01%
Sodium Chromate Tetrahydrate	No information available	10034-82-9	1.00%

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice

If inhaled IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing.

In case of skin contact IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. May cause irritation, redness, and pain.

In case of eye contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. May cause irritation, redness, pain, and tearing.

If swallowed IF SWALLOWED: rinse mouth. Do NOT induce vomiting. Dilute immediately with water or milk. Induce vomiting. Call a physician.

4.2 Most important symptoms and effects, both acute and delayed

Causes severe skin burns and eye damage. May cause an allergic skin reaction. Causes serious eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. Suspected of causing genetic defects. May cause cancer. May damage fertility or the unborn child. Contains Hexavalent Chromium compound, which is a known carcinogen. May cause irritation to eyes and skin. Wash areas of contact with plenty of water. If ingested, dilute with water and induce vomiting. Call a physician. EYE CONTACT: May cause irritation, redness, pain, and tearing. SKIN CONTACT: May cause irritation, redness, and pain.

4.3 Indication of any immediate medical attention and special treatment needed

Immediately call a POISON CENTER or physician. Specific treatment (Wash areas of contact with water). Irrigate immediately with large quantity of water for at least 15 minutes. Call a physician if irritation develops. Remove to fresh air. Give artificial respiration if necessary. If breathing is difficult, give oxygen. Flush with plenty of water for at least 15 minutes. Call a physician if irritation develops. Dilute immediately with water or milk. Induce vomiting. Call a physician.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media Use any means suitable for extinguishing surrounding fire (Water, water spray, foam, or dry chemical). If using water, do not allow water run off to enter sewer.

Unsuitable extinguishing media No information available

5.2 Specific hazards arising from the substance or mixture

Not considered to be a fire or explosion hazard. Contact with oxidizable substances may cause violent combustion.

5.3 Special protective equipment and precautions for firefighters

Use protective clothing and breathing equipment appropriate for the surrounding fire.

5.4 Further information

Flash Point No information available

Autoignition Temperature No information available

Explosion limits

Upper	No data available		
Lower	No data available		
Sensitivity to Mechanical Impact	No information available		
Sensitivity to Static Discharge	No information available		
NFPA			
Health	Flammability	Instability	Physical hazards
2	0	0	N/A

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear protective gloves and eye protection. In case of inadequate ventilation wear respiratory protection.

6.2 Environmental precautions

No information available

6.3 Methods and materials for containment and cleaning up

Do not flush to sewer. Containerize for disposal with a hazardous waste disposal facility. Dispose of in accordance with local regulations.

6.4 Reference to other sections

No information available

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Store locked up. As with all chemicals, wash hands thoroughly after handling. Avoid contact with eyes and skin.

Hygiene measures

No information available

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Protect from freezing and physical damage.

Incompatibilities

See Section 10.

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 Tetrahydrate	PEL TWA Ceiling Limits	5 µg/m ³ TWA (See 29 CFR 1910.1026, as Cr); 2.5 µg/m ³ Action Level (as Cr) As Chromium(VI) compounds 5 µg/m ³ TWA As Chromium(VI) 0.1 mg/m ³ Ceiling (applies to any operations or sectors for which the Hexavalent Chromium standard [29 CFR 1910.1026] is stayed or is otherwise not in effect, as CrO ₃) As Chromates

US. ACGIH Threshold Limit Values

Component	Type	Value
Sodium Chromate Tetrahydrate	TLV-TWA TLV-STEL	0.0002 mg/m ³ TWA (inhalable particulate matter, as Cr(VI)) As Hexavalent chromium inorganic water-soluble compounds 0.0005 mg/m ³ STEL (inhalable particulate matter, as Cr(VI)) As Hexavalent chromium inorganic water-soluble compounds

US. NIOSH: Pocket Guide to Chemical Hazards

No information available

Biological occupational exposure limits

No information available

8.2 Exposure controls

Appropriate engineering controls

No specific controls are needed. Normal room ventilation is adequate.

Personal protective equipment**Eye/face protection**

Wear protective gloves and eye protection. Safety glasses or goggles.

Skin protection

Wear protective gloves and eye protection. Chemical resistant gloves.

Body Protection

No information available

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Normal room ventilation is adequate.

Control of environmental exposure

No information available

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Yellow liquid
Odor	Odorless
Odor Threshold	Data not available.
pH	Alkaline
Melting Point/Range	0°C
Boiling Point/Range	100°C
Evaporation Rate	Data not available.
Flammability (solid)	Data not available.
Flammability or explosive limit	Data not available.
Upper	Data not available.
Lower	Data not available.
Vapor Pressure	Data not available.
Vapor Density	Data not available.
Density	1.01
Solubility	Miscible
Partition coefficient; n-octanol/water	Data not available.
Autoignition Temp	Data not available.
Decomposition Temp	Data not available.
Viscosity	Data not available.
Molecular Formula	Data not available.
Molecular Weight	Data not available.
VOC Content(%)	Data not available.
Oxidizing properties	Data not available.

9.2 Other safety information Data not available.

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable under normal conditions.

10.2 Chemical stability

Stable under normal conditions of use and storage.

10.3 Possibility of hazardous reactions

Data not available.

10.4 Conditions to avoid

Avoid incompatible materials.

10.5 Incompatible materials

Reducing Agents, organic compounds.

10.6 Hazardous decomposition products

Will not occur.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Product Information, Component Information

Acute toxicity

Investigated as a tumorigen and mutagen.

Skin corrosion/irritation

Causes severe skin burns and eye damage. Do not breathe fumes, mist, vapors, or spray. Wash arms, hands and face thoroughly after handling. Wear protective gloves and eye protection. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician. Specific treatment (Wash areas of contact with water). IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

Serious eye damage/eye irritation

Causes serious eye irritation. Wash arms, hands and face thoroughly after handling. Wear protective gloves and eye protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Respiratory or skin sensitization

May cause allergy or asthma symptoms or breathing difficulties if inhaled. Avoid breathing fumes, mist, vapors, or spray. In case of inadequate ventilation wear respiratory protection. IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or physician. Dispose of contents in accordance with local, state, federal and international regulations.

May cause an allergic skin reaction. Avoid breathing fumes, mist, vapors, or spray. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves and eye protection. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical attention. Specific treatment (Wash areas of contact with water). Wash contaminated clothing before reuse. Dispose of contents in accordance with local, state, federal and international regulations.

Germ cell mutagenicity

Suspected of causing genetic defects. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves and eye protection. IF exposed or concerned: Get medical attention. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

Carcinogenicity

May cause cancer. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves and eye protection. IF exposed or concerned: Get medical attention. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

Specific target organ toxicity - single exposure

Not applicable.

Specific target organ toxicity - repeated exposure

Not applicable.

Reproductive toxicity

May damage fertility or the unborn child. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves and eye protection. IF exposed or concerned: Get medical attention. Store locked up. Dispose of contents in accordance with local, state, federal and international regulations.

Chronic effects

Data not available.

11.2 Additional Information

Data not available.

SECTION 12: Ecological information

12.1 Toxicity

Harmful to aquatic life. Avoid release to the environment. Dispose of contents in accordance with

12.2 Persistence and degradability

Data not available.

12.3 Bio accumulative potential

Data not available.

12.4 Mobility in soil

Data not available.

12.5 Results of PBT and vPvB assessment

Data not available.

12.6 Endocrine disrupting properties

Data not available.

12.7 Other adverse effects

Data not available.

SECTION 13: Disposal considerations

13.1 Waste Disposal Methods

Data not available.

SECTION 14: Transport information

DOT (US) Not regulated according to DOT Regulations.

IMDG No information available

IATA Not regulated according to IATA Dangerous Goods Regulations.

SECTION 15: Regulatory information

US federal regulations

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

Sodium Chromate Tetrahydrate (CAS # 10034-82-9): "Present [R] (ACTIVE)" As Chromic acid (H₂CrO₄), sodium salt (1:2) [7775-11-3]
Water (CAS # 7732-18-5): Present [XU] (ACTIVE)

CERCLA Hazardous Substance List (40 CFR 302.4)

No information available

SARA 304 Emergency release notification

No information available

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Sodium Chromate Tetrahydrate (CAS # 10034-82-9): "5 µg/m3 TWA (See 29 CFR 1910.1026, as Cr)
Sodium Chromate Tetrahydrate (CAS # 10034-82-9): 2.5 µg/m3 Action Level (as Cr)
Sodium Chromate Tetrahydrate (CAS # 10034-82-9): 2.5 µg/m3 Action Level (as Cr)" As Chromium(VI) compounds [RR-00026-0]

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

Not listed.

SARA 311/312 Hazardous

Sodium Chromate Tetrahydrate (CAS # 10034-82-9): 10 lb final RQ
Sodium Chromate Tetrahydrate (CAS # 10034-82-9): 4.54 kg final RQ" As Sodium chromate [7775-11-3]

SARA 313 (TRI reporting)

Sodium Chromate Tetrahydrate (CAS # 10034-82-9): "0.1 % de minimis concentration (includes any unique chemical substance that contains Chromium as part of that chemical's infrastructure except for Chromite ore mined in the Transvaal Region of South Africa and the unreacted ore component of the Chromite ore processing residue (COPR), no de minimis concentration has been assigned to this chemical category, listed under Chemical Category N090)" As Chromium(VI) compounds [RR-00026-0]

Other federal regulations**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

No information available

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

No information available

Safe Drinking Water Act

No information available

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

No information available

US state regulations**US. Massachusetts RTK - Substance List**

Sodium Chromate Tetrahydrate (CAS # 10034-82-9): "Present" As Sodium chromate [7775-11-3]

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

Sodium Chromate Tetrahydrate (CAS # 10034-82-9): "carcinogen" As Chromium(VI) compounds [RR-00026-0]
Sodium Chromate Tetrahydrate (CAS # 10034-82-9): "sn 2245" As Chromium compounds [RR-00634-8]
Sodium Chromate Tetrahydrate (CAS # 10034-82-9): "sn 3575" As Chromium(VI) compounds [RR-00026-0]
Sodium Chromate Tetrahydrate (CAS # 10034-82-9): "carcinogen" As Sodium chromate [7775-11-3]
Sodium Chromate Tetrahydrate (CAS # 10034-82-9): "sn 1692" As Sodium chromate [7775-11-3]
Sodium Chromate Tetrahydrate (CAS # 10034-82-9): "SN 2245 500 lb TPQ (Category Code N090. Includes any unique chemical substance that contains the named metal as part of that chemical structure)" As Chromium compounds [RR-00634-8]
Sodium Chromate Tetrahydrate (CAS # 10034-82-9): "sn 2245" As Chromium compounds [RR-00634-8]

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

Sodium Chromate Tetrahydrate (CAS # 10034-82-9): "Environmental hazard" As Chromium compounds [RR-00634-8]
Sodium Chromate Tetrahydrate (CAS # 10034-82-9): "Environmental hazard" As Chromium compounds, hexavalent [RR-00026-0]
Sodium Chromate Tetrahydrate (CAS # 10034-82-9): "Environmental hazard" As Chromic acid (H₂CrO₄), disodium salt [7775-11-3]
Sodium Chromate Tetrahydrate (CAS # 10034-82-9): "Special hazardous substance" As Chromium compounds, hexavalent [RR-00026-0]
Water (CAS # 7732-18-5): Present

California Proposition 65

Sodium Chromate Tetrahydrate (CAS # 10034-82-9): "carcinogen, 2/27/1987" As Chromium hexavalent compounds [RR-00026-0]
Sodium Chromate Tetrahydrate (CAS # 10034-82-9): "developmental toxicity, 12/19/2008" As Chromium(VI) compounds [RR-00026-0]
Sodium Chromate Tetrahydrate (CAS # 10034-82-9): "female reproductive toxicity 12/19/08" As Chromium hexavalent compounds [RR-00026-0]
Sodium Chromate Tetrahydrate (CAS # 10034-82-9): "male reproductive toxicity, 12/19/08" As Chromium hexavalent compounds [RR-00026-0]

SECTION 16: Other information

Date of Issue: 1/2/2026

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.