

# SAFETY DATA SHEET

# 1. Identification

# Product identifier: SODIUM CHROMATE

# Other means of identification

Product No.: 3640

# Recommended use and restriction on use

Recommended use: Not available. Restrictions on use: Not known.

# Details of the supplier of the safety data sheet

#### Manufacturer

Company Name: Address:	Avantor Performance Materials, Inc. 3477 Corporate Parkway, Suite 200 Center Valley, PA 18034
Telephone:	Customer Service: 855-282-6867
Fax: Contact Person: E-mail:	610-573-2610 Environmental Health & Safety info@avantormaterials.com

# **Emergency telephone number:**

24 Hour Emergency: 908-859-2151 Chemtrec: 800-424-9300

# 2. Hazard(s) identification

# **Hazard Classification**

# **Health Hazards**

ncaltin nazarus	
Acute toxicity (Oral)	Category 3
Acute toxicity (Dermal)	Category 3
Acute toxicity (Inhalation - mist)	dust and Category 2
Skin Corrosion/Irritation	Category 1B
Serious Eye Damage/Eye	Irritation Category 1
Respiratory sensitizer	Category 1
Skin sensitizer	Category 1
Germ Cell Mutagenicity	Category 1B
Carcinogenicity	Category 1B
Toxic to reproduction	Category 1B
Specific Target Organ Toxi Repeated Exposure	icity - Category 1
Environmental Hazards	
Acute hazards to the aquat environment	tic Category 1
Chronic hazards to the aque environment	uatic Category 1



# Label Elements

Hazard Symbol:	
Signal Word:	Danger
Hazard Statement:	Toxic if swallowed. Toxic in contact with skin. Fatal if inhaled. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause genetic defects. May cause cancer. May damage fertility or the unborn child. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.
Precautionary Statement	
Prevention:	Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. [In case of inadequate ventilation] wear respiratory protection. Contaminated work clothing should not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid release to the environment.
Response:	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician. 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. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Collect spillage.
Storage:	Store in a well-ventilated place. Keep container tightly closed. Store locked up.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
ther hazards which do not sult in GHS classification:	None.

# 3. Composition/information on ingredients



# Substances

Chemical Identity	Common name and synonyms	CAS number	Content in percent (%)*
SODIUM CHROMATE (TETRAHYDRATED FORM)		10034-82-9	99 - 100%
	by weight unless ingredient	is a gas. Gas conce	entrations are in percent by volume.
. First-aid measures			
General information:	Get medical advic to the doctor in at	•	u feel unwell. Show this safety data sheet
ngestion:	vomiting without a	dvice from pois	center immediately. Do not induce on control center. If vomiting occurs, keep doesn't get into the lungs.
Inhalation:	Move to fresh air. breathing stops, p		or poison control center immediately. If respiration.
Skin Contact:	removing contami	inated clothing a nediately. Wash	ater for at least 15 minutes while nd shoes. Call a physician or poison contaminated clothing before reuse. minated shoes.
Eye contact:			ater for at least 15 minutes. If easy to do, cal attention immediately.
Most important symptoms/eff	ects, acute and delay	ed	
Symptoms:	Fatal if inhaled. To severe skin and e		d. Toxic in contact with skin. Causes
ndication of immediate medic	al attention and spec	ial treatment n	eeded
Treatment:	Treat symptomation	cally. Symptoms	may be delayed.
. Fire-fighting measures			
General Fire Hazards:	In case of fire and	l/or explosion do	o not breathe fumes.
Suitable (and unsuitable) extir	nguishing media		
Suitable extinguishing media:	Flood with water f	rom a distance.	
Unsuitable extinguishing media:	None known.		
Specific hazards arising from the chemical:	Fire may produce	irritating, corros	ive and/or toxic gases.
Special protective equipment	and precautions for f	firefighters	
Special fire fighting procedures:		-exposed contai	you can do so without risk. Use water ners cool. Cool containers exposed to ne fire is out.



Special protective equipment for fire-fighters:	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.
6. Accidental release measures	3
Personal precautions, protective equipment and emergency procedures:	Keep unauthorized personnel away. Use personal protective equipment. See Section 8 of the SDS for Personal Protective Equipment. Ventilate closed spaces before entering them. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Methods and material for containment and cleaning up:	Sweep up and place in a clearly labeled container for chemical waste. Clean surface thoroughly to remove residual contamination. Dike far ahead of larger spill for later recovery and disposal.
Notification Procedures:	Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk. Inform authorities if large amounts are involved.
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
7. Handling and storage	
Precautions for safe handling:	Use personal protective equipment as required. Avoid contact with eyes, skin, and clothing. Do not breathe mist or vapor. Do not taste or swallow. Do not eat, drink or smoke when using the product. Use only with adequate ventilation. Wash hands thoroughly after handling. See Section 8 of the SDS for Personal Protective Equipment.
Conditions for safe storage, including any incompatibilities:	Keep container tightly closed. Keep in a cool, well-ventilated place. Store in a dry place.
8. Exposure controls/personal	protection
Control Parameters Occupational Exposure Limit	<b>s</b> None of the components have assigned exposure limits.

Appropriate Engineering No data available. Controls

# Individual protection measures, such as personal protective equipment

General information:	Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. An eye wash and safety shower must be available in the immediate work area.
Eye/face protection:	Wear safety glasses with side shields (or goggles) and a face shield.
Skin Protection Hand Protection:	Chemical resistant gloves
Other:	Wear suitable protective clothing.



Respiratory Protection:In case of inadequate ventilation use suitable respirator.Hygiene measures:Provide eyewash station and safety shower. Observe good industrial<br/>hygiene practices. Wash hands before breaks and immediately after<br/>handling the product. Do not eat, drink or smoke when using the product.<br/>Wash contaminated clothing before reuse.

# 9. Physical and chemical properties

#### Appearance solid Physical state: Form: Crystals or powder Color: Yellow Odor: Odorless Odor threshold: No data available. pH: not applicable Melting point/freezing point: No data available. Initial boiling point and boiling range: No data available. Flash Point: not applicable **Evaporation rate:** No data available. Flammability (solid, gas): No data available. Upper/lower limit on flammability or explosive limits Flammability limit - upper (%): No data available. Flammability limit - lower (%): No data available. Explosive limit - upper (%): No data available. Explosive limit - lower (%): No data available. Vapor pressure: No data available. Vapor density: No data available. **Relative density:** No data available. Solubility(ies) Solubility in water: **Completely Soluble** Solubility (other): No data available. Partition coefficient (n-octanol/water): No data available. Auto-ignition temperature: No data available. **Decomposition temperature:** No data available. Viscosity: No data available. Other information Molecular weight: 234.03 g/mol

# 10. Stability and reactivity

Reactivity:	No dangerous reaction known under conditions of normal use.
Chemical Stability:	Material is stable under normal conditions.
Possibility of Hazardous Reactions:	Hazardous polymerization does not occur.
Conditions to Avoid:	Excessive heat. Contact with incompatible materials.
Incompatible Materials:	Strong oxidizing agents.



# Hazardous Decomposition Toxic metal fumes may form when heated to decomposition. Products: 11. Toxicological information

in rexideregical methation	
Information on likely routes of exposure Ingestion: Toxic if swallowed. May cause burns of the gastrointestinal tract if swallowed.	
Inhalation:	Fatal if inhaled.
Skin Contact:	Causes skin burns. Toxic in contact with skin.
Eye contact:	Causes serious eye damage.
Information on toxicological effe	ects
Acute toxicity (list all possible	e routes of exposure)
Oral Product:	LD 50 (Rat): calculated 75.00 mg/kg
Dermal Product:	LD 50 (Rabbit): calculated 615 mg/kg
Inhalation Product:	LC 50 (Rat, 4 h): calculated 0.150 mg/l
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	Causes skin burns.
Serious Eye Damage/Eye Irritati Product:	on Causes serious eye damage.
Respiratory or Skin Sensitizatio Product:	<ul> <li>n May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.</li> </ul>
Carcinogenicity Product:	May cause cancer.
IARC Monographs on the	Evaluation of Carcinogenic Risks to Humans:
SODIUM CHROMATE (TETRAHYDRATE D FORM)	
<b>US. National Toxicology P</b> SODIUM CHROMATE (TETRAHYDRATE D FORM)	rogram (NTP) Report on Carcinogens:



# US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

SODIUM No data available. CHROMATE (TETRAHYDRATE D FORM)

# **Germ Cell Mutagenicity**

In vitro Product:	May cause genetic defects.
In vivo Product:	May cause genetic defects.
Reproductive toxicity Product:	May damage fertility or the unborn child.
Specific Target Organ Toxicity - Product:	Single Exposure None known.
Specific Target Organ Toxicity - Product:	Repeated Exposure Causes damage to organs through prolonged or repeated exposure.
Aspiration Hazard Product:	Not classified
Other effects:	None known.

# 12. Ecological information

# **Ecotoxicity:**

# Acute hazards to the aquatic environment:

Fish Product:	No data available.
<b>Specified substance(s):</b> SODIUM CHROMATE (TETRAHYDRATED FORM)	LC 50 (Rainbow Trout, 96 h): 63.6 mg/l
Aquatic Invertebrates Product:	No data available.
<b>Specified substance(s):</b> SODIUM CHROMATE (TETRAHYDRATED FORM)	EC 50 (Ceriodaphnia, 24 h): 0.196 mg/l EC 50 (Water Flea, 48 h): 0.035 mg/l

# Chronic hazards to the aquatic environment:

Fish Product:	No data available.
<b>Specified substance(s):</b> SODIUM CHROMATE (TETRAHYDRATED FORM)	NOEC (Fathead Minnow, 7 d): 1.1 mg/l
Aquatic Invertebrates Product: SDS_US - SDSMIX000219	No data available.



Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation Product:	There are no data on the degradability of this product.
BOD/COD Ratio Product:	No data available.
Bioaccumulative Potential Bioconcentration Factor (BC Product:	CF) No data available on bioaccumulation.
Partition Coefficient n-octan Product:	ol / water (log Kow) No data available.
Mobility in Soil:	No data available.
Other Adverse Effects:	Very toxic to aquatic life with long lasting effects.
13. Disposal considerations	
Disposal instructions:	Discharge, treatment, or disposal may be subject to national, state, or local laws.
Contaminated Packaging:	Since emptied containers retain product residue, follow label warnings even after container is emptied.
14. Transport information	
DOT UN Number: UN Proper Shipping Name: Transport Hazard Class(es) Class(es): Label(s): Packing Group: Marine Pollutant: Special precautions for user:	UN 3288 Toxic solid, inorganic, n.o.s.(SODIUM CHROMATE) 6.1 6.1 III Yes –
IMDG UN Number: UN Proper Shipping Name: Transport Hazard Class(es) Class(es): Label(s): EmS No.: Packing Group: Marine Pollutant: Special precautions for user:	UN 3288 TOXIC SOLID, INORGANIC, N.O.S.(SODIUM CHROMATE) 6.1 6.1 F-A, S-A III Yes -



# ΙΑΤΑ

UN Number:	UN 3288
Proper Shipping Name:	Toxic solid, inorganic, n.o.s.(SODIUM CHROMATE)
Transport Hazard Class(es):	
Class(es):	6.1
Label(s):	6.1
Marine Pollutant:	Yes
Packing Group:	III
Special precautions for user:	-
15. Regulatory information	

# US Federal Regulations

# TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D) US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Chemical Identity	OSHA hazard(s)
SODIUM CHROMATE	
(TETRAHYDRATED	
FORM)	

# CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity	Reportable quantity
SODIUM CHROMATE	10 lbs.

# Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### Hazard categories Acute (Immediate) Chronic (Delayed)

# SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

# SARA 304 Emergency Release Notification

None present or none present in regulated quantities.

# SARA 311/312 Hazardous Chemical

<u>Chemical Identity</u> SODIUM CHROMATE (TETRAHYDRATED FORM) Threshold Planning Quantity 10000 lbs

# SARA 313 (TRI Reporting)

<u>Chemical Identity</u> SODIUM CHROMATE (TETRAHYDRATED FORM) Reporting threshold for manufacturing and processing

# Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

Reporting

threshold for

other users

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

None present or none present in regulated quantities.

# **US State Regulations**

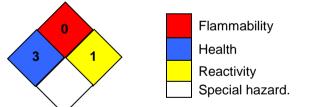
# **US. California Proposition 65**

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.



US. New Jersey Worker and Community Right-to-Know Act <u>Chemical Identity</u> SODIUM CHROMATE (TETRAHYDRATED FORM)		
US. Massachusetts RTK - Substance Lis	t	
Chemical Identity		
SODIUM CHROMATE (TETRAHYDRATED FORM)		
US. Pennsylvania RTK - Hazardous Subs	stances	
Chemical Identity		
SODIUM CHROMATE (TETRAHYDRATED FORM)		
SODIONI CHROMATE (TETRATTORATED FORMI)		
US. Rhode Island RTK		
Chemical Identity		
SODIUM CHROMATE (TETRAHYDRATE		
Inventory Status:		
Australia AICS:	On or in compliance with the inventory	
Canada DSL Inventory List:	On or in compliance with the inventory	
EINECS, ELINCS or NLP:	On or in compliance with the inventory	
Japan (ENCS) List:	On or in compliance with the inventory	
China Inv. Existing Chemical Substances:	On or in compliance with the inventory	
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory	
Canada NDSL Inventory:	Not in compliance with the inventory.	
Philippines PICCS:	On or in compliance with the inventory	
US TSCA Inventory:	On or in compliance with the inventory	
New Zealand Inventory of Chemicals:	Not in compliance with the inventory.	
Japan ISHL Listing:	Not in compliance with the inventory.	
Japan Pharmacopoeia Listing:	Not in compliance with the inventory.	
16.Other information, including date of preparation or last revision		
<b>_</b>		

# **NFPA Hazard ID**



Hazard rating: 0 - Minimal; 1 - Slight; 2 Moderate; 3 - Serious; 4 - Severe; RNP - Rating not possible

Issue Date:	04-21-2015
Revision Date:	No data available.
Version #:	1.0
Further Information:	No data available.



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