Scientific Laboratory Supplies - Safety Data Sheet CHE3956

(in accordance with regulation (EU) 2015/830 and regulation (EC) 1272/2008)

Revision: 1.2 Revision date: 16 April 2021
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Section 1. Identification

1.1 Product Identifier CHE3956

Product Name SODIUM CHROMATE 4H2O 250g.

CAS Number 10034-82-9

REACH Registration No A registration number is not available as the substance or its uses are exempt, the annual tonnage does not require a registration or the registration is envisaged for a later date.

Molecular Formula $Na_2CrO_4.4H_2O = 234.03$

1.2 Relevent identified uses of the substance or mixure & uses advised against

Uses of Material Chemical for industrial and laboratory use. Not suitable for domestic use.

1.3 Supplier Scientific Laboratory Supplies

Unit 6, Foresters Avenue
Fairham Business Park
Fairham
Nottingham
NG11 2AF
UNITED KINGDOM

Phone 0115 9821111
Fax 0115 9825275
Email sales@scientific-labs.com

1.4 Emergency Telephone (08:00-17:00) 0115 9821111
(24hr) 112
(Have this document to hand)

Section 2. Hazards Identification

2.1 Classification of the substance or mixture

Classification according to regulation 1272/2008/EC

Acute toxicity, category 2 (inhalation)	H330: Fatal if inhaled.
Acute toxicity, category 3 (oral)	H301: Toxic if swallowed.
Skin corrosion/irritation, category 1B	H314: Causes severe skin burns and eye damage.
Acute toxicity, category 4 (dermal)	H312: Harmful in contact with skin.
Respiratory sensitization, category 1	H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin sensitization, category 1	H317: May cause an allergic skin reaction.
Germ cell mutagenicity, category 1B	H340: May cause genetic defects.
Carcinogenicity, category 1B	H350: May cause cancer.
Reproductive toxicity, category 1B	H360: May damage fertility or the unborn child.
Spec target organ tox - repeat, category 1	H372: Causes damage to organs through prolonged or repeated exposure.
Hazard to aquatic environment, category 1	H400: Very toxic to aquatic life.
Hazard to aquatic environment, category 1	H410: Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to regulation 1272/2008/EC

Signal word Danger

Hazard Pictograms

Hazard Statements — Toxic if swallowed. Harmful in contact with skin. Causes severe skin burns and eye damage. 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 or the unborn child. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.

Precautionary Statements — Obtain special instructions before use. Do not breathe dust. Avoid release to the environment. Wear protective gloves / protective clothing / eye protection. Wear respiratory protection. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

Section 3. Composition

3.1 Substances

Component	CAS No.	EEC No.	REACH No.	Conc w/w	CLP Classification (1272/2008/CE)
Sodium chromate 4h2o	10034-82-9	231-889-5		>99%	Acute Tox. 2 (I),Acute Tox. 3 (O),Skin Corr. 1B,Acute Tox. 4 (D),Resp. Sens. 1,Skin Sens. 1,Muta. 1B,Carc. 1B,Repr. 1B,STOT RE 1,Aquatic Acute 1,Aquatic Chronic 1

Section 4. First Aid

4.1 Description of first aid measures

Eyes — Flush with water for at least 15 minutes and contact physician.

Skin — Remove contaminated clothing immediately and wash before re-use. Thoroughly wash off skin with soap and water. Transfer victim to hospital.

Inhalation — Remove from exposure, wearing protective clothing and breathing apparatus if necessary. If breathing stops or shows signs of failing, apply artificial resuscitation. Unless contact has been slight OBTAIN MEDICAL ATTENTION

Ingestion — Do not induce vomiting. If conscious wash out mouth with water. Unless contact has been slight OBTAIN MEDICAL ATTENTION

Personal protection for first aiders — Wear protective gloves / eye protection.

4.2 Most important symptoms and effects, both acute & delayed.

No further relevant information available.

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

No further relevant information available.

Section 5. Fire Fighting

5.1 Extinguishing media

Extinguishing Media — Water spray, foam, dry powder or carbon dioxide.

Unsuitable Media — Nothing specified.

5.2 Special hazards arising from the substance or mixture

Hazards — May evolve toxic fumes if involved in a fire.

5.3 Advice for firefighters

Advice for firefighters — Consider all other materials in the vicinity.

Section 6. Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal Protection	Use approved personal protective equipment. Avoid breathing dust.

6.2 Environmental precautions

Enviromental	Keep material out of sewers, storm drains, surface waters and soil.

6.3 Methods and material for containment and cleaning up

Major Spillage	In case of major spillage contact a chemically trained supervisor or manager who will decide what action to take.
Minor Spillage	Sweep up and transfer to a suitable container for disposal. Ventilate area and wash spill site after material pickup is complete.

6.4 Reference to other sections

See section 8.2 for information on protective equipment and section 13 for information on disposal.

Section 7. Storage & Handling

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing.

Ensure Local Exhaust Ventilation maintains dust concentrations below the recommended limits.

7.2 Conditions for safe storage, including any incompatibilities

Well ventilated, cool, dry storage . Keep containers closed when not in use.

7.3 Specific end use(s)

See section 1.2.

Section 8. Workplace Exposure & Personal Protection

8.1 Control parameters

Component	CAS No	Concentration	Workplace Exposure Limits			
			Long Term (8hr TWA)		Short Term 15min period)	
Sodium chromate 4h2o	10034-82-9	>99%	-	0.05 mg/m-3	-	-

Exposure data source(s) IOELV: Indicative Occupational Exposure Limit Value.

8.2 Exposure controls

Respiratory Protection	Use L.E.V. or natural ventilation to maintain dust concentrations below exposure limits.
Hand Protection	Wear gloves.
Eye Protection	Use safety glasses with side shields.
Skin Protection	Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.
Special Hazards	No special precautions required.

Section 9. Physical & Chemical Properties

9.1 Information on basic physical and chemical properties

Appearance	Off-white to pale yellow deliquescent crystalline powder.
Odour	No specific odour.
pH	Not applicable
Boiling Point	Not applicable
Melting Point	Not applicable
Flash Point	Not applicable
Upper Flammable Limit	Not applicable
Lower Flammable Limit	Not applicable
Auto Ignition	Not applicable

Explosive Properties	No.
Oxidising Properties	No.
Vapour Pressure	Not applicable
Relative Density	Not available
Water Solubility	Not applicable

9.2 Other information

No data available.

Section 10. Stability & Reactivity

10.1	Reactivity	No data available.
10.2	Chemical Stability	Stable under normal conditions
10.3	Possibility of hazardous reactions	No data available.
10.4	Conditions to Avoid	Avoid contact with moisture as product is very hygroscopic.
10.5	Incompatable Materials	Strong reducing agents, Organic materials, Powdered metals.
10.6	Hazardous Decomposition Products	Not determined.

Section 11. Toxicological Information

11.1 Information on toxicological effects

Eyes	Contact with the solid or dust will cause burns.
Skin	Contact with the solid or dust will cause burns. May be fatal if absorbed through skin. May cause skin sensitisation.
LD50 Skin	10mg/kg Rabbit
Ingestion	Toxic if swallowed. Will cause burns to gastrointestinal tract.
LD50 Oral	Not available
Inhalation	May be fatal if inhaled. Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract. May cause sensitisation by dust inhalation.
LD50 Inhalation	Not available
TCLo	Not available
Carcinogenicity	Carcinogen - category 1.
Mutagenicity	May be a mutagen.
Reproductive Effects	Evidence of reproductive effects.
Other Information	To the best of our knowledge, the chemical, physical, & toxicological properties have not been throughly investigated.

Section 12. Ecological

12.1	Toxicity	Toxic to aquatic species and may cause long term adverse effects in the aquatic environment.
	LC50 Algal	Not available
	LC50 Crustacea	Not available
	LC50 Fish	Not available
12.2	Persistence and degradability	No data available.
12.3	Bioaccumulative potential	No data available.
12.4	Mobility in soil	No data available.
12.5	Results of PBT & vPvB assessment	Assessment not required.
12.6	Other adverse effects	None known at present.

Section 13. Disposal Considerations

13.1 Waste treatment methods

Disposal Methods	Mix or dissolve with combustible material. Burn in a chemical incinerator equipped with afterburners and scrubbers.
Contaminated Packaging	Wash out containers with water. Use a licensed waste disposer.

Section 14. Transport Information

14.1	**UN Number**	3288
14.2	**Proper Shipping Name**	Toxic solid, inorganic, N.O.S. (Sodium Chromate Tetrahydrate)
14.3	**Transport classes**	
	UN classification	6.1
	Subsidiary hazard(s)	None
	Transport category	2
	ADR Hazard ID	60
	Tunnel Restriction Code	D/E
14.4	**Packing Group**	II
14.5	**Environment hazards**	See section 12.
14.6	**Special precautions for user**	No special precautions required.
14.7	**Transport in bulk**	Not transported in bulk.

Section 15. Regulatory Information

15.1 Safety, health and environment regulations specific for subtance/mixture.

Classification, Labeling & Packaging of Substances & Mixtures Regulations (1272/2008/CE)

Classification	Acute toxicity, category 2 (inhalation); Acute toxicity, category 3 (oral); Skin corrosion/irritation, category 1B; Acute toxicity, category 4 (dermal); Respiratory sensitization, category 1; Skin sensitization, category 1; Germ cell mutagenicity, category 1B; Carcinogenicity, category 1B; Reproductive toxicity, category 1B; Spec target organ tox - repeat, category 1; Hazard to aquatic environment, category 1; Hazard to aquatic environment, category 1
Signal word	Danger
Hazard Pictograms	
Hazard Statements	H301, H312, H314, H317, H330, H334, H340, H350, H360, H372, H400+H410 Toxic if swallowed. Harmful in contact with skin. Causes severe skin burns and eye damage. 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 or the unborn child. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.
Hazard Statements (Packs of 500ml/g or less)	H301, H312, H314, H317, H330, H334, H340, H350, H360, H372, H410 Toxic if swallowed. Harmful in contact with skin. Causes severe skin burns and eye damage. 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 or the unborn child. Causes damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long lasting effects.
Precautionary Statements	P201, P260, P273, P280, P284, P301+P310 Obtain special instructions before use. Do not breathe dust. Avoid release to the environment. Wear protective gloves / protective clothing / eye protection. Wear respiratory protection. IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
Precautionary Statements (Packs of 500ml/g or less)	P201 Obtain special instructions before use.

15.2 Chemical safety assessment

Assessment not required.

Section 16. Other Information

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment. See sections 11 for toxicological information and section 12 for ecological information.

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