


SAFETY DATA SHEET

CHROMATE INDICATOR

SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER	
Product Name:	Chromate Indicator
Other Names:	Aqueous Solution: Potassium Chromate
Recommended Use:	Test reagent
Part Nos.:	SR018
Supplier:	Spirax Sarco Limited 6 Nandina Avenue, East Tamaki, Auckland, New Zealand. Ph: 09 263 3674 Email: wt@nz.spiraxsarco.com
Emergency numbers	<ul style="list-style-type: none"> - New Zealand Ambulance/Police/Fire: Dial 111 - New Zealand Poisons Information Centre: Dial 0800 POISON (0800 764 766) - Australian Police and Fire Brigade: Dial 000 - Australian Poisons Information Centre: Dial 13 11 26 (from anywhere in Australia) - Spirax Sarco NZ 24 hours Emergency: Dial 027 475 2626

SECTION 2 HAZARDS IDENTIFICATION	
Classification:	Classified as hazardous according to criteria in the NZ EPA Hazardous Substances (Hazard Classification) Notice 2020 Signal Word: DANGER Hazardous Substance according to the criteria of NOHSC Australia. C Corrosive
Pictograms:	
Risk Phrase(s)	R34 Causes burns. R37 Irritating to respiratory system.
Safety Phrase(s)	S1/2 Keep locked up and out of the reach of children. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S30 Never add water to this product. S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label whenever possible).
Hazard Classification:	HSNO GHS Equivalent 6.3B Serious eye damage/eye irritation 6.5B Skin sensitisation Category 1 Germ cell mutagenicity 6.6A Germ cell mutagenicity Category 2 Carcinogenicity 6.7A Carcinogenicity Category 1 6.9A Oral specific target organ toxicity 9.1B Hazardous to the aquatic environment chronic Category 2

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS					
Chemical Identity	CAS Number	Proportion, %	LD50 Oral (Rat)	WES TWA, mg/m ³	WES STEL, mg/m ³
Potassium Chromate	7789-00-6	1 - 10	25 mg/kg	0.5	Not available
Non hazardous Ingredients	Not applicable	to 100	>5000 mg/kg	Not available	Not available


SECTION 4 FIRST AID MEASURES	
Inhalation:	Remove to fresh air, administer artificial respiration if needed. Seek medical attention.
Ingestion:	Do not induce vomiting. Give large amounts of water and milk or milk of magnesia. Seek medical attention immediately. Never give anything by mouth to an unconscious person.
Skin:	Flush the contacted area thoroughly with clean water. Remove contaminated clothing. Seek medical attention if irritation occurs.
Eyes:	Immediately flush eyes with clean water for 15 minutes. Seek medical attention.
Medical Attention and Treatment:	Treat symptomatically. Can cause corneal burns.

SECTION 5 FIRE FIGHTING MEASURES	
Extinguishing Media:	Water spray, fog or mist. Foam. Carbon Dioxide (CO ₂). Dry Powder.
Combustion Products - Hazards:	None
Protective Measures In Fire:	Wear full protective clothing and use self-contained breathing apparatus.
HAZCHEM Code:	2X
SECTION 6 ACCIDENTAL RELEASE MEASURES	
Emergency Procedures:	For a major spill, prevent spillage from entering drains or watercourses. Evacuate the spill area. Call the Fire Brigade.
Spill Cleanup Methods:	Wear appropriate personal protection equipment to prevent skin and eye contact and breathing in vapours. (Refer to Section 8). Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. Sweep up or shovel into labelled containers for disposal. After spills, wash the area preventing runoff from entering drains. If material enters drains, advise emergency services. Dispose of only in accordance with all regulations.
SECTION 7 HANDLING AND STORAGE	
Usage Precautions:	Handle with care. Avoid spilling. Avoid skin and eye contact. Provide adequate ventilation.
Storage Precautions:	Store in cool dry place away from direct sunlight. Keep in original containers.
SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION	
National Exposure Limits:	No specific guidelines for this product. See Section 3 for exposure limits of each ingredient if product is a mixture.
Biological Limits:	No specific guidelines for this product. <i>Please note:</i> Calculating exposure limits on mixtures requires professional judgement to determine if the results are appropriate to the specific combination of ingredients. Occasionally certain chemical mixtures contain components that may act upon the same organ system. The combined health effects may be additive. See Section 3 for exposure limits of each ingredient if product is a mixture.
Engineering Controls:	If inhalation risk exists or in confined spaces or high use areas, maintain adequate ventilation by suitable extraction or wear a respirator.
Personal Protective Equipment	<ul style="list-style-type: none"> - Ventilation: Handling should take place in a well ventilated area. If inhalation risk exists, wear air-supplied mask meeting the requirements of AS/NZS 1715 and AS/NZS 1716. - Respirators: If inhalation risk exists, wear air-supplied mask meeting the requirements of AS/NZS 1715 and AS/NZS 1716. - Protective Gloves: Wear impermeable protective gloves when handling. - Eye Protection: Wear approved safety glasses, goggles or face shield. - Other Protection: Wear appropriate clothing to prevent any possibility of skin contact such as coveralls, rubber/PVC apron, PVC boots, and full face shield. - Hygienic Work Practices: Product spillages are a significant slip hazard. Ensure any spillages are cleaned up immediately. (Refer Section 6)
SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES	
Appearance:	Clear, yellow liquid.
Odour:	None.
pH:	7
Vapour Pressure:	2.3 kPa (20°C)
Vapour Density:	1
Boiling Point:	100°C
Freezing Point:	<5°C
Solubility in Water:	Soluble
Specific Gravity:	1.05
SECTION 10 STABILITY AND REACTIVITY	
Chemical Stability:	Stable under normal conditions.
Conditions to Avoid:	Avoid heat.
Incompatible Materials:	Reactive or incompatible with the following materials: reducing materials and combustible materials.
Hazardous Decomp. Products:	CrOx.
Hazardous Reactions:	None

SECTION 11 TOXICOLOGICAL INFORMATION	
Toxicological Data:	LD50 Oral (Rat) – 3600 mg/kg CAS# 7789-00-6: · ACGIH: A1 - Confirmed Human Carcinogen (listed as 'Chromium (VI) compounds- water soluble'). · California: carcinogen, initial date 2/27/87 (listed as Chromium (VI) compounds). · NTP: Known carcinogen (listed as Chromium (VI) compounds). · IARC: Group 1 carcinogen
Inhalation:	Causes severe irritation to mucous membranes.
Ingestion:	Can cause severe burns and complete perforation of mucous membranes of the mouth, throat, and stomach. May be fatal if swallowed.
Skin:	May produce skin irritation.
Eyes:	Destructive to eye tissue on contact. Will cause severe burns. May cause blindness.

SECTION 12 ECOLOGICAL INFORMATION	
Ecotoxicity:	Potassium Chromate; Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 40 mg/l - 96.0 h - Toxicity to daphnia and other aquatic invertebrates EC50 - Daphnia magna (Water flea) - 15 mg/l - 48 h Toxicity to algae EC50 - Nitzschia sp. - 0.26 mg/l - 72 h
Persistence and Degradability:	Information not available.
Mobility:	Information not available.

SECTION 13 DISPOSAL CONSIDERATIONS	
Disposal Methods:	Dispose of in accordance with all government regulations. Wash empty packaging well with water, rinsing several times.

SECTION 14 TRANSPORT INFORMATION	
Label for Conveyance:	
UN Number:	3287
UN Proper Shipping Name:	TOXIC LIQUID, INORGANIC, N.O.S. (Contains Potassium Chromate)
Class Number:	6.1
Class:	Toxic Substances.
Subsidiary Risk:	None Allocated.
pH Classification	Neutral
Packing Group:	III
Special Precautions for User:	None
HAZCHEM Code:	2X

SECTION 15 REGULATORY INFORMATION	
Licenses Required:	Information not available.
HSNO Classification:	6.3B, 6.5B, 6.6A, 6.7A, 6.9A, 9.1B
HSNO Group Standard:	Laboratory Chemicals and Reagent Kits Group Standard 2020
HSNO Approval Number:	HSR002596
Requires Tracking:	No
Requires Approved Handler:	No

SECTION 16 OTHER INFORMATION	
Definitions:	LD50 Oral (Rat) Lethal dose when taken orally causing death in 50% of the population. WES TWA Workplace Exposure Standard, Time Weighted Average. WES STEL Workplace Exposure Standard, Short Term Exposure Limit. NOHSC National Occupational Health and Safety Commission (Australia). CAS Number Chemical Abstracts Service – Unique chemical number.
References:	Prepared in accordance with the Hazardous Substances (Safety Data Sheets) Notice 2017 EPA CONSOLIDATION 30 April 2021
Document Code:	sds Chromate Indicator.docx
Issue Date:	16 April 2021

Valid to: 15 April 2026

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END OF SDS