Issue Date: Oct 2023

SDS No: 770
Version: V.0.0.5

Water Softener Salt

Cromag Pty Ltd
Safety Data Sheet according to WHS and ADG requirements

SECTION 1 IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

Product Identifier

Product name	Water Softener Salt
Chemical Name	Sodium Chloride
Synonyms	Salt, Solar Salt, Rock Salt, Sea Salt, Halite, Swimming Pool Salt, PDV Salt, Common Salt
Proper shipping name	Not Applicable
Chemical formula	NaCl
Other means of identification	Not Available

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

Relevant Identified Uses	Water treatment

Details of the supplier of the safety data sheet

Company Name	**Cromag Pty Ltd – Trading as Sigma Telford Group**
Address	**7 Valentine Street Kewdale WA 6105 Australia**
Telephone	**+61 8 9353 2053**
Website	**www.sigmatelford.com.au**
Email	**info@sigmatelford.com.au**

Emergency telephone number

Association/Organisation	**Not Available**
Emergency telephone numbers	**DFES: 000 (HAZMAT EMERGENCIES)**
Other Emergency telephone numbers	**POISONS: 13 11 26**

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture

NOT HAZARDOUS CHEMICAL. NOT DANGEROUS GOODS. According to the WHS Regulations and the ADG Code.

Poisons Schedule	**Not Applicable**
Classification	Not Applicable

Label Elements

GHS label elements	Not Applicable
SIGNAL WORD	Not Applicable

Hazard statement(s)

Not Available

Precautionary statement(s) Prevention
Not Available

Precautionary statement(s) Response
Not Available

Precautionary statement(s) Storage
Not Available

Precautionary statement(s) Disposal
Not Available

SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Substances

CAS No	% [weight]	Name
7647-14-5	100	sodium chloride

SECTION 4 FIRST AID MEASURES

Description of first aid measures

Eye Contact	If this product comes in contact with the eyes: ➢ Immediately hold eyelids apart and flush the eye continuously with running water. ➢ Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids. ➢ Continue flushing until advised to stop by the Poisons Information Centre or for at least 15 minutes.
Skin Contact	If skin or hair contact occurs: ➢ Immediately flush body and clothes with large amounts of water, using safety shower if available. ➢ Quickly remove all contaminated clothing, including footwear. ➢ Wash skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre.
Inhalation	➢ If fumes or combustion products are inhaled remove from contaminated area. ➢ Apply artificial respiration if not breathing, preferably with a demand valve resuscitator, bag-valve mask device, or pocket mask as trained. Perform CPR if necessary. ➢ Transport to hospital, or doctor, without delay.
Ingestion	➢ If swallowed do NOT induce vomiting. ➢ If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration. ➢ Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. ➢ Give water to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.

Indication of any immediate medical attention and special treatment needed

Not Available

SECTION 5 FIREFIGHTING MEASURES

Extinguishing Media

➢ There is no restriction on the type of extinguisher which may be used. Use extinguishing media suitable for surrounding area.

Special hazards arising from the substrate or mixture

Fire Incompatibility	None known

Advice for firefighters

Fire Fighting	➢ Wear full body protective clothing with breathing apparatus. ➢ Prevent, by any means available, spillage from entering drains or water course.
Fire/Explosion Hazard	➢ Non combustible. ➢ Not considered a significant fire risk, however containers may burn.
HAZCHEM	Not Applicable

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

See section 8

Environmental precautions

See section 12

Methods and material for containment and cleaning up

Minor Spills	➢ Clean up all spills immediately. ➢ Avoid contact with skin and eyes. ➢ Use dry clean up procedures and avoid generating dust. ➢ Place in a suitable, labeled container for waste disposal.
Major Spills	➢ Clear area of personnel and move upwind. ➢ Prevent, by any means available, spillage from entering drains or water course. ➢ Collect recoverable product into labelled containers for recycling. ➢ Collect solid residues and seal in labelled drums for disposal. ➢ Wash area and prevent runoff into drains. ➢ If contamination of drains or waterways occurs, advise emergency services.

Personal Protective Equipment advice is contained in Section 8 of the SDS.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling

Safe handling	➢ When handling DO NOT eat, drink or smoke. ➢ Keep containers securely sealed when not in use. ➢ Use good occupational work practice. ➢ Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained.
Other Information	➢ Store in a cool, dry, well-ventilated area. ➢ Store away from incompatible materials and foodstuff containers. ➢ Protect containers against physical damage and check regularly for leaks. ➢ Observe manufacturer's storage and handling recommendations contained within this SDS.

Conditions for safe storage, including any incompatibilities

Suitable Container	➢ Packing as recommended by manufacturer. ➢ Check all containers are clearly labelled and free from leaks. ➢ Store in original packaging.
Storage Incompatibility	➢ Avoid oxidising agents and heat sources. ➢ Incompatible with strong acids. (liberate hydrogen chloride gas)

	➢ Will corrode many common metals, particularly iron, aluminium, and zinc.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

OCCUPATIONAL EXPOSURE LIMITS (OEL)

INGREDIENT DATA

Not Available.

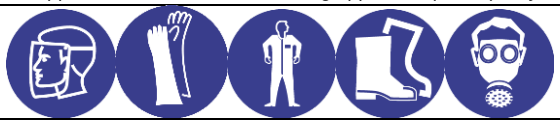
EMERGENCY LIMITS

Ingredient	Material Name	TEEL-1	TEEL-2	TEEL-3
sodium chloride	sodium chloride	Not Available	Not Available	Not Available

Ingredient	Original IDLH	Revised IDLH
sodium chloride	Not Available	Not Available

MATERIAL DATA

Exposure controls

Appropriate engineering controls	Engineering controls are used to remove a hazard or place a barrier between the worker and the hazard. Well-designed engineering controls can be highly effective in protecting workers and will typically be independent of worker interactions to provide this high level of protection. Local exhaust ventilation usually required. If risk of overexposure exists, wear approved respirator. Supplied-air type respirator may be required in special circumstances. An approved self contained breathing apparatus (SCBA) may be required in some situations.
Personal Protection	
Eye and Face protection	➢ Safety glasses with imperforated side shields may be used where continuous eye protection is desirable. ➢ Chemical goggle. whenever there is a danger of the material coming in contact with the eyes; goggles must be properly fitted. ➢ Full face shield (20 cm, 8 in minimum) may be required for supplementary but never for primary protection of eyes.
Skin protection	See Hand protection below
Hands/feet protection	➢ Elbow length PVC gloves ➢ The material may produce skin sensitisation in predisposed individuals. Care must be taken, when removing gloves and other protective equipment, to avoid all possible skin contact.
Body protection	See Other protection below
Other protection	➢ Overalls. ➢ PVC Apron. ➢ Eyewash unit. ➢ Ensure there is ready access to a safety shower.
Thermal hazards	Not Available

Respiratory protection

Type B-P Filter of sufficient capacity. (AS/NZS 1716 & 1715, EN 143:2000 & 149:2001, ANSI Z88 or national equivalent)

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Crystals or Powder

Physical state	Solid	**pH as Solution**	7 (1% solution in water)
Odour	Not Available	**Evaporation rate**	Not Available
Odour threshold	Not Available	**Flammability**	Not Applicable
Relative density (water=1)	2.16	**Upper Explosive Limit (%)**	Not Applicable
Colour	Translucent to white	**Lower Explosive Limit (%)**	Not Applicable
pH (as supplied)	Not Available	**Vapour pressure (kPa)**	Not Available
Melting point/Freezing point (°C)	800	**Solubility in water (g/L)**	357 @ 0°C
Initial boiling point and boiling range (°C)	1413	**Vapour density (Air = 1)**	Not Available

SECTION 10 STABILITY AND REACTIVITY

Reactivity	See section 7
Chemical stability	➢ Product is considered stable. ➢ Hazardous polymerisation will not occur.
Possibility of hazardous reactions	See section 7
Conditions to avoid	See section 7
Incompatible materials	See section 7
Hazardous decomposition products	See section 5

SECTION 11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Inhaled	Abrasive irritant to mucous membranes. May give salty taste or cause irritation to the nose and throat. Symptoms may include coughing and sore, dry throat.
Ingestion	Ingestion may cause vomiting, diarrhea, anorexia, thirst, fever and convulsion after excessive ingestion. Dehydration may occur in most internal organs, central nervous system may be affected resulting in confusion or coma.
Skin Contact	Abrasive irritant to some sensitive persons or when applied to open cuts and abrasions. Intensive exposure may result in dermatitis. May aggravate pre-existing dry skin conditions such as dermatitis.
Eye	Causes eye irritation, redness and some pain. Dust exposure may cause physical irritation to the eyes because of the particulate nature of the product.
Chronic	Not Available

Product Name	**TOXICITY**	**IRRITATION**
sodium chloride	Oral (rat) LD50: 3000 mg/kg[1]	Eye (rabbit): 100 mg/24 hr severe*
		Skin (rabbit): 500 mg/24 hr moderate*

1. Value obtained from Europe ECHA Registered Substances - Acute toxicity 2. Value obtained from manufacturer's SDS. Unless otherwise specified data extracted from RTECS - Register of Toxic Effect of chemical Substances*

Acute Toxicity	⦸	Carcinogenicity	⦸
Skin Irritation/Corrosion	⦸	Reproductivity	⦸
Serious Eye Damage/Irritation	⦸	STOT – single exposure	⦸
Respiratory or Skin sensitisation	⦸	STOT – repeated exposure	⦸
Mutagenicity	⦸	Aspiration Hazard	⦸

Legend: ✗ *– Data available but does not fill the criteria for classification*
✓ *– Data required to make classification available*
⦸ *– Data Not Available to make classification*

SECTION 12 ECOLOGICAL INFORMATION

Toxicity
Avoid contaminating waterways

Persistence and degradability
No Data Available

Bio accumulative potential
No Data Available

Mobility in Soil
No Data Available

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Product/Packaging disposal	➢ Containers may still present a chemical hazard/ danger when empty. ➢ **DO NOT** allow wash water from cleaning or process equipment to enter drains. ➢ In all cases disposal to sewer may be subject to local laws and regulations. ➢ Consult manufacturer for recycling options or consult local or regional waste management authority for disposal if no suitable treatment or disposal facility can be identified.

SECTION 14 TRANSPORT INFORMATION

Labels Required
Not Applicable

Land transport (ADG), Air transport (ICAO-IATA / DGR), Sea transport (IMDG-Code / GGVSee)
Not Applicable

Transport in bulk according to Annex II of MARPOL and the IBC code
Not Available

SECTION 15 REGULATORY INFORMATION

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

SODIUM CHLORIDE (7647-14-5) IS FOUND ON THE FOLLOWING REGULATORY LISTS

Australia Inventory of Chemical Substances (AICS)

National Inventory	Status
Australia - AICS	Y
Canada - DSL	N
Canada - NDSL	N
China - IECSC	N
Europe - EINEC / ELINCS / NLP	Y (231-598-3)
Japan - ENCS	N
Korea - KECI	N
New Zealand - NZIoC	Y
Philippines - PICCS	N
USA - TSCA	N
Legend:	*Y = All ingredients are on the inventory* *N = Not determined or one or more ingredients are not on the inventory and are not exempt from listing(see specific ingredients in brackets)*

SECTION 16 OTHER INFORMATION

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

Definitions and abbreviations

Name	CAS No		
PC—TWA	Permissible Concentration-Time Weighted Average	PC—STEL	Permissible Concentration-Short Term Exposure Limit
IARC	International Agency for Research on Cancer	ACGIH	American Conference of Governmental Industrial Hygienists
STEL	Short Term Exposure Limit	TEEL	Temporary Emergency Exposure Limit
IDLH	Immediately Dangerous to Life or Health Concentrations	OSF	Odour Safety Factor
NOAEL	No Observed Adverse Effect Level	LOAEL	Lowest Observed Adverse Effect Level
TLV	Threshold Limit Value	LOD	Limit Of Detection
OTV	Odour Threshold Value	BCF	BioConcentration Factors
BEI	Biological Exposure Index		

END OF SDS