HURST SCIENTIFIC

Safety Data Sheet
Sodium Chloride

SECTION 1: Identification

GHS Product identifier

Product name	Sodium Chloride
Product number	SODCHL-500G, 1kg, 5kg, 10kg, 25kg
Brand	Hurstchem

Other means of identification

Salt, Solar Salt, Rock Salt, Halite, Table Salt

Recommended use of the chemical and restrictions on use

Laboratory Chemical

Supplier's details

Name	Hurst Scientific
Address	2/36 Hensbrook Loop 6112 Forrestdale WA Australia
Telephone	1300 778 068
email	sales@hurstscientific.com.au

Emergency phone number

Australian Poisons Information Centre 131 126
Australian Emergency Services 000

SECTION 2: Hazard identification

General hazard statement

Classified as a Non Hazardous substance according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classification of the substance or mixture

GHS classification in accordance with: UN GHS revision 8

GHS label elements, including precautionary statements

SECTION 3: Composition/information on ingredients

Mixtures

Hazardous components

1. Sodium chloride

Concentration	> 95 %
CAS no.	7647-14-5

SECTION 4: First-aid measures

Description of necessary first-aid measures

If inhaled	Remove to fresh air, get medical attention for any breathing difficulty.
In case of skin contact	If skin contact occurs, remove contaminated clothing and wash skin thoroughly with soap and water.
In case of eye contact	If in eyes, hold eyes open, flood with water for at least 15 minutes. If symptoms persist transport to nearest medical facility for additional treatment.
If swallowed	Give several glasses of water to drink to dilute if large amounts were swallowed.

Indication of immediate medical attention and special treatment needed, if necessary
High water intake facilitates urinary excretion and releif of temporary symptoms.

SECTION 5: Fire-fighting measures

Further information
This material is non combustible. Flames on or in teh vacinity of this material can be extinguished using conventional fire fighting agents and procedures. However, heated to decomposition, it emits toxic chloride and sodium oxide fumes.

SECTION 6: Accidental release measures

Methods and materials for containment and cleaning up
Recover product where practical. sweep up remnants and dispose of in a sealed container in licensed waste. Flush the area to dissolve in sufficients amounts of water to meet existing water quality standards.

SECTION 7: Handling and storage

Conditions for safe storage, including any incompatibilities
Store under cover at relative humidities below 75% to retard cracking. Cycling salt through the 75% relative humidity zone will rapidly increase the onset of cracking. In transit, cover to prevent rain and physical damage.

SECTION 8: Exposure controls/personal protection

Appropriate engineering controls
Ensure that adequate ventilation is provided. Maintain air concentrations below recommended exposure standards. Avoid generating and inhaling mists and vapours. Keep containers closed when not in use.

Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection
Under normal circumstances protective wear is not required, however under very dusty conditions a dusk mask is recommended.
Gloves and goggles etc. may be used for comfort.

SECTION 9: Physical and chemical properties

Basic physical and chemical properties

Physical state	Solid
Appearance	Translucent to white crystal, granules or powder
Melting point/freezing point	801°C
Boiling point or initial boiling point and boiling range	1413°C @ 101.3kPa
Flammability	Non-flammable
Flash point	No Data Available
pH	7-7.8
Solubility	35.7gm/100ml@0°C, 39.12gm/100ml@100°C
Vapor pressure	1mm Hg @ 865°C
Density and/or relative density	1.2gm/cc

SECTION 10: Stability and reactivity

Reactivity
Reacts violently with Bromium Triflouride and Lithium

Chemical stability
Stable under normal conditions of use.

Possibility of hazardous reactions
Stable under normal conditions of use.

Conditions to avoid
None

Incompatible materials
Bromium Triflouride, Lithium, strong acids.

SECTION 11: Toxicological information

Information on toxicological effects

Skin corrosion/irritation
May cause irritation

Serious eye damage/irritation
May cause irritation

Respiratory or skin sensitization
Irritant to mucous membranes

Additional information
Sodium chloride : Vomiting, Diarrhoea, Dehydration and congestion may occur in internal organs. Hypertonic salt solutions can produce inflammatory reactions in the gastrointestinal tract., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

SECTION 12: Ecological information

Other adverse effects
Ensure appropriate measures are taken to prevent excess material entering the environment.

SECTION 13: Disposal considerations

Disposal methods

Product disposal
Clean material can be reused. Dispose of waste materiel only in accordance with the applicable federal, state and local laws.

Packaging disposal
Ensure waste disposal conforms to local waste disposal regulations.

SECTION 14: Transport information

UN Number	None
UN Proper Shipping Name	None
Transport hazard class(es)	None
Packing group	None
Environmental hazards	None
Special precautions for user	None
Transport in bulk according to IMO instruments	None

SECTION 15: Regulatory information

Chemical Safety Assessment
• Poison Schedule: Not Scheduled

SECTION 16: Other information

Further information/disclaimer
This SDS is prepared in accordance with the Safe Work Australia, Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, (2011). The information contained within is believed to be accurate at the date of preparation/review. Hurst Scientific makes no claims of the accuracy or completeness of the information and excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. It is recommended the user make their own determinations as to the suitability of the information provided to the application in which the product is to be used.

Preparation information
References
1. Safe Work Australia, Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice, (2011).
2. Safe Work Australia, National Code of Practice for the Labelling of Workplace Hazardous Chemicals (2015).
3. Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants (2013)
4. National Transport Commission Australian Code for the Transport of Dangerous Goods by Road and Rail (ADG Code); Canprint: Canberra (2007), Volume 1, 7th Edition.
5. Standards Australia, Dangerous Goods Initial Emergency Response Guide: Australian Handbook (SAA/SNZ HB76); Homebush (2004).