SAFETY DATA SHEET
SALT
REVISION 4 22/08/2024

1. IDENTIFICATION

Product Name	**Sodium Chloride (Salt)**
Other Names	Common Salt; Industrial Grade; Iodated Fine Salt; MERMAID Salt; PDV Salt; Pool Salt; RAM #3 Medium Coarse 2809QJ; Refined Industry Salt; Rock Salt; Sea Salt; Sodium Chloride (Iodine Free); Solar Salt
Uses	Food; Pharmaceutical; Industrial; Stockfeed; Curing; Tanning; Water conditioning; Ice control; Chemical feedstock.
Chemical Family	No Data Available
Chemical Formula	NaCl
Chemical Name	Sodium chloride
Product Description	No Data Available

Contact Details of the Supplier of this Safety Data Sheet

Organisation	Location	Telephone
Aurora Cleaning Supplies	F1 / 5 Bungaleen Court Dandenong South VIC 3175	03 9768 2669

Emergency Contact Details

For emergencies only; DO NOT contact these companies for general product advice.

Organisation	Location	Telephone
Poisons Information Centre	Westmead NSW	1800-251525 131126
Chemcall	Australia	1800-127406 +64-4-9179888
Chemcall	Malaysia	+64-4-9179888
Chemcall	New Zealand	0800-243622 +64-4-9179888
National Poisons Centre	New Zealand	0800-764766
CHEMTREC	USA & Canada	1-800-424-9300 CN723420 +1-703-527-3887

2. HAZARD IDENTIFICATION

Poisons Schedule (Aust)	Not Scheduled

Globally Harmonised System

Hazard Classification	NOT hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)
Signal Word	None

National Transport Commission (Australia)
Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification	NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Chemical Entity	Formula	CAS Number	Proportion
Sodium chloride	NaCl	7647-14-5	<=100 %

4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure

Swallowed	IF SWALLOWED: Rinse mouth, then drink plenty of water. Do not induce vomiting unless directed to do so by medical personnel. Get medical advice/attention if you feel unwell. Never give anything by mouth to an unconscious person.
Eye	IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for 10 - 15 minutes. If eye irritation persists, get medical advice/attention.
Skin	IF ON SKIN: Remove contaminated clothing and shoes. Flush skin with running water/shower. If skin irritation occurs, get medical advice/attention. Wash contaminated clothing and shoes before reuse.
Inhaled	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing until recovered. If respiratory symptoms persist, get medical advice/attention.
Advice to Doctor	Treat symptomatically and supportively.
Medical Conditions Aggravated by Exposure	Exposure may aggravate pre-existing eye, skin or respiratory conditions.

5. FIRE FIGHTING MEASURES

General Measures	If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out.
Flammability Conditions	Non-combustible; Material itself does not burn.
Extinguishing Media	If material is involved in a fire, use dry chemical, Carbon dioxide (CO2), foam or water spray for extinction. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Fire and Explosion Hazard	May emit toxic fumes under fire conditions.
Hazardous Products of Combustion	Fire or heat may produce irritating, toxic and/or corrosive fumes, including Chlorine, Hydrogen chloride (HCl), Sodium oxide.

Special Fire Fighting Instructions	Contain runoff from fire control or dilution water - Runoff may pollute waterways. Dispose of fire debris and contaminated firefighting water in accordance with official regulations.
Personal Protective Equipment	Wear self-contained breathing apparatus (SCBA) and chemical splash suit. SCBA and structural firefighter's uniform may provide limited protection.
Flash Point	No Data Available
Lower Explosion Limit	No Data Available
Upper Explosion Limit	No Data Available
Auto Ignition Temperature	No Data Available
Hazchem Code	No Data Available

6. ACCIDENTAL RELEASE MEASURES

General Response Procedure	Ensure adequate ventilation. Do not touch or walk through spilled material. Avoid dust formation. Avoid breathing dust and contact with eyes, skin and clothing.
Clean Up Procedures	Collect material (sweep or vacuum up) and place it in suitable containers for recovery or disposal (see SECTION 13). Avoid dispersal of dust in the air.
Containment	Stop leak if safe to do so - Prevent entry into waterways, drains or confined areas.
Decontamination	Wash area down with excess water.
Environmental Precautionary Measures	Prevent entry into drains and waterways.
Evacuation Criteria	Spill or leak area should be isolated immediately. Keep unauthorised personnel away.
Personal Precautionary Measures	Use personal protective equipment as required (see SECTION 8).

7. HANDLING AND STORAGE

Handling	Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Avoid generating dust. Avoid breathing dust and contact with eyes, skin and clothing. Do not ingest. Use personal protective equipment as required (see SECTION 8). Avoid heating to decomposition.
Storage	Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep container tightly closed when not in use. Protect from moisture/humidity. Keep away from incompatible materials (see SECTION 10).
Container	Keep in the original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General	No specific exposure standards are available for this product. For dusts from solid substances without specific occupational exposure standards: - Safe Work Australia Exposure Standard (Nuisance dusts): 8 hr TWA = 10 mg/m3 (measured as inhalable dust). - New Zealand WES (Particulates not otherwise classified): TWA = 10 mg/m3; TWA = 3 mg/m3 (respirable dust).
Exposure Limits	No Data Available
Biological Limits	No information available.
Engineering Measures	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.
Personal Protection Equipment	- Respiratory protection: Wear respiratory protection in case of inadequate ventilation or if an inhalation risk exists. Recommended: Dust mask/particulate filter respirator (refer to AS/NZS 1715 & 1716). - Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Safety glasses or goggles.

	- Hand protection: Handle with gloves. Recommended: Impervious gloves. - Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Overalls, safety shoes.
Special Hazards Precaustions	The structural integrity of various metals used in equipment and structures should be regularly checked, as salt accelerates the corrosion of most common metals (especially in damp conditions). Iron, steel, zinc and aluminium are particularly susceptible, while brass, bronze and stainless steel are fairly resistant.
Work Hygienic Practices	Do not eat, drink or smoke when using this product. Wash hands before breaks and at the end of the workday. Take off contaminated clothing and wash before storage or reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Appearance	Crystalline
Odour	Odourless
Colour	Translucent to opaque, white or pink
pH	6.7 - 7.3
Vapour Pressure	1 mmHg (@ 865 °C)
Relative Vapour Density	No Data Available
Boiling Point	1,413 °C
Melting Point	801 °C
Freezing Point	No Data Available
Solubility	35.7 g/100 ml (20°C) in water - 39.12 g/100 ml (100°C) in water
Specific Gravity	2.163
Flash Point	No Data Available
Auto Ignition Temp	No Data Available
Evaporation Rate	No Data Available
Bulk Density	No Data Available
Corrosion Rate	No Data Available
Decomposition Temperature	No Data Available
Density	No Data Available
Specific Heat	No Data Available
Molecular Weight	58.45
Net Propellant Weight	No Data Available
Octanol Water Coefficient	No Data Available
Particle Size	No Data Available
Partition Coefficient	No Data Available
Saturated Vapour Concentration	No Data Available
Vapour Temperature	No Data Available
Viscosity	No Data Available
Volatile Percent	No Data Available
VOC Volume	No Data Available
Additional Characteristics	Slightly hygroscopic.
Potential for Dust Explosion	Product does not present an explosion hazard.
Fast or Intensely Burning Characteristics	No information available.
Flame Propagation or Burning Rate of Solid Materials	No information available.

Non-Flammables That Could Contribute Unusual Hazards to a Fire	No information available.
Properties That May Initiate or Contribute to Fire Intensity	Non-combustible; Material itself does not burn.
Reactions That Release Gases or Vapours	Fire or heat may produce irritating, toxic and/or corrosive fumes, including Chlorine, Hydrogen chloride (HCl), Sodium oxide.
Release of Invisible Flammable Vapours and Gases	No information available.

10. STABILITY AND REACTIVITY

General Information	Hazardous reactions will not occur under normal conditions. Reacts with acids and oxidants releasing hydrogen chloride, chlorine gas.
Chemical Stability	This material is chemically stable.
Conditions to Avoid	Avoid dust formation. Protect from moisture/humidity. Avoid heating to decomposition.
Materials to Avoid	Incompatible/reactive with strong acids, oxidants; Bromine trifluoride; Molten lithium.
Hazardous Decomposition Products	Fire or heat may produce irritating, toxic and/or corrosive fumes, including Chlorine, Hydrogen chloride (HCl), Sodium oxide.
Hazardous Polymerisation	Hazardous polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

General Information	Information on possible routes of exposure: - Ingestion: Ingestion may cause adverse effects. Excessive amounts may cause nausea, vomiting, diarrhoea, thirst/dehydration, fever, convulsions; central nervous system may be affected, resulting in confusion or coma. - Eye contact: May cause slight irritation to eyes. May cause physical irritation to the eyes because of the particulate nature of the product. - Skin contact: May cause skin irritation. Prolonged or repeated skin contact may cause abrasive irritation. Intensive exposure may cause dry skin/dermatitis. - Inhalation: May cause irritation to nose, throat and mucous membranes of the respiratory tract. Chronic effects: Repeated ingestion of excessive amounts may cause disturbance of body electrolyte and fluid balance.
Acute	
Ingestion	Acute toxicity (Oral): - LD50, Rat: 3,000 mg/kg
Carcinogen Category	None

12. ECOLOGICAL INFORMATION

Ecotoxicity	Aquatic toxicity: - LC50, Fish (Lepomis macrochirus (bluegill sunfish)): 5,840 mg/L (96 h) [flow-through]. - NOEC, Fish (Pimephales promelas (fathead minnows)): 252 mg/L (33 d) [flow-through]. - EC50, Invertebrates (Daphnia magna): 1,900 mg/L (48 h) [immobilisation]. - NOEC, Invertebrates (Daphnia pulex): 314 mg/L (21 d) [reproduction]. - EC50, Algae/cyanobacteria (Nitzschia linearis): 2,430 mg/L (120 h) [cell number].
Persistence/Degradability	Dissociates into sodium and chloride ions.
Mobility	No information available.
Environmental Fate	Slightly hazardous to water; Do not allow undiluted product or large quantities of it to reach ground water, water course

	or sewage system.
Bioaccumulation Potential	Not expected to bioaccumulate.
Environmental Impact	No Data Available

13. DISPOSAL CONSIDERATIONS

General Information	Dispose of waste from residues/unused products and empty containers in a safe manner and in accordance with local/regional/national regulations.
Special Precautions for Land Fill	No information available.

14. TRANSPORT INFORMATION

Land Transport (Australia)
ADG Code

Proper Shipping Name	Sodium chloride (Salt)
Class	No Data Available
Subsidiary Risk(s)	No Data Available
	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
Comments	NON-DANGEROUS GOODS: Not regulated for LAND transport.

Land Transport (Malaysia)
ADR Code

Proper Shipping Name	Sodium chloride (Salt)
Class	No Data Available
Subsidiary Risk(s)	No Data Available
	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
Comments	NON-DANGEROUS GOODS: Not regulated for LAND transport.

Land Transport (New Zealand)
NZS5433

Proper Shipping Name	Sodium chloride (Salt)
Class	No Data Available
Subsidiary Risk(s)	No Data Available
	No Data Available
UN Number	No Data Available

Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
Comments	NON-DANGEROUS GOODS: Not regulated for LAND transport.

Land Transport (United States of America)
US DOT

Proper Shipping Name	Sodium chloride (Salt)
Class	No Data Available
Subsidiary Risk(s)	No Data Available
	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
Comments	NON-DANGEROUS GOODS: Not regulated for LAND transport.

Sea Transport
IMDG Code

Proper Shipping Name	Sodium chloride (Salt)
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
EMS	No Data Available
Marine Pollutant	No
Comments	NON-DANGEROUS GOODS: Not regulated for SEA transport.

Air Transport
IATA DGR

Proper Shipping Name	Sodium chloride (Salt)
Class	No Data Available
Subsidiary Risk(s)	No Data Available
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	No Data Available
Comments	NON-DANGEROUS GOODS: Not regulated for AIR transport.

National Transport Commission (Australia)
Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification	NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

15. REGULATORY INFORMATION

General Information	No Data Available
Poisons Schedule (Aust)	Not Scheduled

Environmental Protection Authority (New Zealand)
Hazardous Substances and New Organisms Amendment Act 2015

Approval Code	Not Hazardous

National/Regional Inventories

Australia (AIIC)	Listed
Canada (DSL)	Not Determined
Canada (NDSL)	Not Determined
China (IECSC)	Not Determined
Europe (EINECS)	231-598-3
Europe (REACh)	Not Determined
Japan (ENCS/METI)	Not Determined
Korea (KECI)	Not Determined
Malaysia (EHS Register)	Not Determined
New Zealand (NZIoC)	Listed
Philippines (PICCS)	Not Determined
Switzerland (Giftliste 1)	Not Determined
Switzerland (Inventory of Notified Substances)	Not Determined
Taiwan (NCSR)	Not Determined
USA (TSCA)	Not Determined

16. OTHER INFORMATION

Related Product Codes	SODCHB1000, SODCHB1001, SODCHB1002, SODCHB1003, SODCHB1004, SODCHB2000, SODCHB3000, SODCHI1000, SODCHL0100, SODCHL0300, SODCHL0301, SODCHL0302, SODCHL0303, SODCHL0400, SODCHL0500, SODCHL0600, SODCHL0700, SODCHL0800, SODCHL0900, SODCHL0910, SODCHL0911, SODCHL0912, SODCHL0913, SODCHL0914, SODCHL0915, SODCHL0916, SODCHL0917, SODCHL1000, SODCHL1001, SODCHL1002, SODCHL1003, SODCHL1004, SODCHL1005, SODCHL1006, SODCHL1007, SODCHL1008, SODCHL1009, SODCHL1010, SODCHL1011, SODCHL1012, SODCHL1014, SODCHL1027, SODCHL1100, SODCHL1101, SODCHL1102, SODCHL1103, SODCHL1104, SODCHL1110, SODCHL1111, SODCHL1112, SODCHL1113, SODCHL1145, SODCHL1146, SODCHL1150, SODCHL1200, SODCHL1201, SODCHL1210, SODCHL1212, SODCHL1213, SODCHL1214, SODCHL1215, SODCHL1300, SODCHL1320, SODCHL1350, SODCHL1400, SODCHL1401, SODCHL1410, SODCHL1412, SODCHL1415, SODCHL1500, SODCHL1510, SODCHL1600, SODCHL1700, SODCHL1701, SODCHL1800, SODCHL1801, SODCHL1805, SODCHL1810, SODCHL1900, SODCHL1901,

SODCHL2000, SODCHL2001, SODCHL2010, SODCHL2100, SODCHL2101, SODCHL2150, SODCHL2250, SODCHL2300, SODCHL2400, SODCHL2401, SODCHL2402, SODCHL2403, SODCHL2404, SODCHL2410, SODCHL2500, SODCHL2501, SODCHL2550, SODCHL2600, SODCHL2601, SODCHL2700, SODCHL2800, SODCHL2805, SODCHL2810, SODCHL2811, SODCHL2812, SODCHL3000, SODCHL3001, SODCHL3010, SODCHL3100, SODCHL3101, SODCHL3110, SODCHL3200, SODCHL3300, SODCHL3301, SODCHL3400, SODCHL3401, SODCHL3410, SODCHL3420, SODCHL3500, SODCHL3501, SODCHL3600, SODCHL3601, SODCHL3700, SODCHL3701, SODCHL3702, SODCHL3703, SODCHL3704, SODCHL3713, SODCHL3800, SODCHL3801, SODCHL3900, SODCHL3901, SODCHL3902, SODCHL3910, SODCHL3911, SODCHL3950, SODCHL3951, SODCHL4000, SODCHL4001, SODCHL4010, SODCHL4100, SODCHL4101, SODCHL4110, SODCHL4200, SODCHL4201, SODCHL4250, SODCHL4251, SODCHL4300, SODCHL4400, SODCHL4500, SODCHL4600, SODCHL4700, SODCHL5000, SODCHL5001, SODCHL5200, SODCHL5201, SODCHL5400, SODCHL5500, SODCHL5800, SODCHL6000, SODCHL6500, SODCHL6501, SODCHL6900, SODCHL6901, SODCHL7000, SODCHL7001, SODCHL7002, SODCHL7100, SODCHL7101, SODCHL7102, SODCHL7200, SODCHL7201, SODCHL7202, SODCHL7203, SODCHL7300, SODCHL7301, SODCHL7400, SODCHL7410, SODCHL7500, SODCHL7501, SODCHL7600, SODCHL7601, SODCHL7602, SODCHL7700, SODCHL7701, SODCHL7702, SODCHL7800, SODCHL7801, SODCHL7900, SODCHL7901, SODCHL7902, SODCHL8000, SODCHL8001, SODCHL8002, SODCHL8050, SODCHL8100, SODCHL8200, SODCHL8300, SODCHL8340, SODCHL8350, SODCHL8600, SODCHL8601, SODCHL8700, SODCHL8701, SODCHL8800, SODCHL8801, SODCHL8900, SODCHL8901, SODCHL8902, SODCHL9000, SODCHL9200, SODCHL9201, SODCHL9700, SODCHL9800, SODCHL9801, SODCHL9802, SODCHL9803, SODCHL9804, SODCHL9805, SODCHL9806, SODCHL9900, SODCHL9901, SODCHL9902, SODCHP1000, SODCHP1001, SODCHP1002, SODCHP1003, SODCHP1004, SODCHP1005, SODCHP1006, SODCHP1009, SODCHP1700, SODCHP1701, SODCHP1702, SODCHP1703, SODCHP1704, SODCHP1900, SODCHP1901, SODCHP1902, SODCHP2000, SODCHP2100, SODCHP2200, SODCHP2400, SODCHP2401, SODCHP2405, SODCHP2410, SODCHP2450, SODCHP2451, SODCHP2455, SODCHP2500, SODCHP2501, SODCHP2700, SODCHP2701, SODCHP2806, SODCHP3000, SODCHP3100, SODCHP3300, SODCHP3400, SODCHP3401, SODCHP3402, SODCHP3410, SODCHP3425, SODCHP3500, SODCHP3700, SODCHP4000, SODCHP4100, SODCHP8051, SODCHR1000, SODCHR1001, SODCHR1002, SODCHR1003, SODCHR1004, SODCHR1005, SODCHR1006, SODCHR1050, SODCHR1051, SODCHR1052, SODCHR1053, SODCHR1054, SODCHR1055, SODCHR1153, SODCHR3300, SODCHR3301, SODCHR3400, SODCHR3425, SODCHR3500, SODCHR3600, SODCHR3601, SODCHR3602, SODCHR3604, SODCHR3605, SODCHR3606, SODCHR3610, SODCHR3611, SODCHR3612, SODCHR3614, SODCHR3620, SODCHR3625, SODCHR3626, SODCHR3630, SODCHR3640, SODCHR3650, SODCHR3700

Revision 4

Revision Date 22/08/2024

Key/Legend

< Less Than
> Greater Than
AICS Australian Inventory of Chemical Substances
atm Atmosphere
CAS Chemical Abstracts Service (Registry Number)
cm^2 Square Centimetres
CO2 Carbon Dioxide
COD Chemical Oxygen Demand
deg C (°C) Degrees Celcius
EPA (New Zealand) Environmental Protection Authority of New Zealand
deg F (°F) Degrees Farenheit
g Grams
g/cm^3 Grams per Cubic Centimetre
g/l Grams per Litre
HSNO Hazardous Substance and New Organism
IDLH Immediately Dangerous to Life and Health
immiscible Liquids are insoluable in each other.
inHg Inch of Mercury
inH2O Inch of Water
K Kelvin
kg Kilogram
kg/m^3 Kilograms per Cubic Metre
lb Pound
LC50 LC stands for lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.
LD50 LD stands for Lethal Dose. LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.
ltr or **L** Litre
m^3 Cubic Metre
mbar Millibar
mg Milligram
mg/24H Milligrams per 24 Hours
mg/kg Milligrams per Kilogram
mg/m^3 Milligrams per Cubic Metre

Misc or **Miscible** Liquids form one homogeneous liquid phase regardless of the amount of either component present.
mm Millimetre
mmH2O Millimetres of Water
mPa.s Millipascals per Second
N/A Not Applicable
NIOSH National Institute for Occupational Safety and Health
NOHSC National Occupational Heath and Safety Commission
OECD Organisation for Economic Co-operation and Development
Oz Ounce
PEL Permissible Exposure Limit
Pa Pascal
ppb Parts per Billion
ppm Parts per Million
ppm/2h Parts per Million per 2 Hours
ppm/6h Parts per Million per 6 Hours
psi Pounds per Square Inch
R Rankine
RCP Reciprocal Calculation Procedure
STEL Short Term Exposure Limit
TLV Threshold Limit Value
tne Tonne
TWA Time Weighted Average
ug/24H Micrograms per 24 Hours
UN United Nations
wt Weight