

## MATERIAL SAFETY DATA SHEET

Product Name **SALT****1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER**

**Supplier Name** RHEOCHEM LTD  
**Address** 11 Alacrity Place, Henderson, WA, AUSTRALIA, 6166  
**Telephone** +61 8 9410 8200  
**Fax** +61 8 9410 8299  
**Emergency** 1800 127 406 (Australia); 011 64 3 3530199 (International)  
**Web Site** <http://www.rheochem.com.au/>  
**Synonym(s)** FLOSSY SALT • HALITE • NACL • SALT • SODIUM CHLORIDE  
**Use(s)** CHLORIDE SOURCE • DRILLING FLUID ADDITIVE  
**SDS Date** 01 Nov 2010

**2. HAZARDS IDENTIFICATION**

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

**UN No.** None Allocated      **DG Class** None Allocated      **Subsidiary Risk(s)** None Allocated  
**Packing Group** None Allocated      **Hazchem Code** None Allocated

**3. COMPOSITION/ INFORMATION ON INGREDIENTS**

Ingredient	Formula	CAS No.	Content
SODIUM CHLORIDE	Na-Cl	7647-14-5	>98%
INORGANIC SALTS	Not Available	Not Available	<0.8%
WATER	H2O	7732-18-5	<0.8%

**4. FIRST AID MEASURES**

**Eye** If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

**Inhalation** Due to product form / nature of use, an inhalation hazard is not anticipated.

**Skin** Exposure is considered unlikely. Skin irritation is not anticipated.

**Ingestion** For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). If swallowed, do not induce vomiting.

**Advice to Doctor** Treat symptomatically.

**5. FIRE FIGHTING MEASURES**

**Flammability** Non flammable.

**Fire and Explosion** No fire or explosion hazard exists.

**Extinguishing** Prevent contamination of drains or waterways.

**Hazchem Code** None Allocated

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## 6. ACCIDENTAL RELEASE MEASURES

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**Spillage** If spilt/ packages damaged, collect for later disposal or reuse.

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## 7. STORAGE AND HANDLING

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**Storage** Store in a cool, dry, well ventilated area, removed from oxidising agents, heat or ignition sources and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills.

**Handling** Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

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## 8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

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**Exposure Stds** No exposure standard(s) allocated.

**Biological Limits** No biological limit allocated.

**Engineering Controls** Avoid inhalation. Use in well ventilated areas.

**PPE** Personal Protective Equipment is not required under normal conditions of use. When using large quantities or where heavy contamination is likely, wear: dust-proof goggles and rubber or PVC gloves. At high dust levels, wear: a Class P1 (Particulate) respirator.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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<b>Appearance</b>	TRANSLUCENT TO WHITE GRANULES OR POWDER	<b>Solubility (water)</b>	357 g/L
<b>Odour</b>	SLIGHT ODOUR	<b>Specific Gravity</b>	2.163
<b>pH</b>	7 (1% Solution)	<b>% Volatiles</b>	NOT AVAILABLE
<b>Vapour Pressure</b>	NOT AVAILABLE	<b>Flammability</b>	NON FLAMMABLE
<b>Vapour Density</b>	NOT AVAILABLE	<b>Flash Point</b>	NOT RELEVANT
<b>Boiling Point</b>	1413°C	<b>Upper Explosion Limit</b>	NOT RELEVANT
<b>Melting Point</b>	801°C	<b>Lower Explosion Limit</b>	NOT RELEVANT
<b>Evaporation Rate</b>	NOT AVAILABLE		

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## 10. STABILITY AND REACTIVITY

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**Chemical Stability** Stable under recommended conditions of storage.

**Conditions to Avoid** Avoid heat, sparks, open flames and other ignition sources.

**Material to Avoid** Incompatible with oxidising agents (eg. hypochlorites). Avoid contact with strong oxidising agents, bromium trifluoride, lithium and acids.

**Hazardous Decomposition Products** May evolve toxic gases if heated to decomposition.

**Hazardous Reactions** Polymerization is not expected to occur.

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## 11. TOXICOLOGICAL INFORMATION

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**Health Hazard Summary** Non toxic. Under normal conditions of use, adverse health effects are not anticipated. This product is used in trace amounts as a food additive, however the concentrated product is not suitable for ingestion.

**Eye** Low irritant. Contact may result in irritation, lacrimation and redness.

**Inhalation** Low irritant. Over exposure to dust may result in irritation of the nose and throat, coughing, nausea and headache.

**Skin** Low irritant. Prolonged or repeated contact may result in mild irritation.

**Ingestion** Non toxic when used as a food additive. However, the concentrate should not be consumed undiluted. Ingestion may result in gastrointestinal irritation, nausea and vomiting.

**Toxicity Data** SODIUM CHLORIDE (7647-14-5)  
LC50 (Inhalation): > 42000 mg/m<sup>3</sup>/1 hour (rat)  
LD50 (Ingestion): 3000 mg/kg (rat)  
LD50 (Intraperitoneal): 2602 mg/kg (mouse)

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LD50 (Intravenous): 645 mg/kg (mouse)  
LD50 (Skin): > 10000 mg/kg (rabbit)  
LD50 (Subcutaneous): 3000 mg/kg (mouse)  
LDLo (Ingestion): 8000 mg/kg (rabbit)  
LDLo (Intravenous): 300 mg/kg (guinea pig)  
LDLo (Subcutaneous): 2160 mg/kg (guinea pig)  
TDLo (Ingestion): 12357 mg/kg (human)

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**12. ECOLOGICAL INFORMATION**

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**Environment** This product is not anticipated to cause adverse effects to animal or plant life if released to the environment in small quantities. Not expected to bioaccumulate.

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**13. DISPOSAL CONSIDERATIONS**

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**Waste Disposal** No special precautions are required for the disposal of this product.

**Legislation** Dispose of in accordance with relevant local legislation.

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**14. TRANSPORT INFORMATION**

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**NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE**

**Shipping Name** None Allocated

**UN No.** None Allocated    **DG Class** None Allocated    **Subsidiary Risk(s)** None Allocated

**Packing Group** None Allocated    **Hazchem Code** None Allocated

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**15. REGULATORY INFORMATION**

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**Poison Schedule** A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

**AICS** All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

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**16. OTHER INFORMATION**

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**Additional Information** ABBREVIATIONS:  
ACGIH - American Conference of Industrial Hygienists.  
ADG - Australian Dangerous Goods.  
BEI - Biological Exposure Indices(s).  
CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.  
CNS - Central Nervous System.  
EC No - European Community Number.  
HSNO - Hazardous Substances and New Organisms.  
IARC - International Agency for Research on Cancer.  
mg/m<sup>3</sup> - Milligrams per Cubic Metre.  
NOS - Not Otherwise Specified.  
pH - relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).  
ppm - Parts Per Million.  
RTECS - Registry of Toxic Effects of Chemical Substances.  
STEL - Short Term Exposure Limit.  
SWA - Safe Work Australia.  
TWA - Time Weighted Average.

**HEALTH EFFECTS FROM EXPOSURE:**

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Chem Alert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

**PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:**

The recommendation for protective equipment contained within this Chem Alert report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.

**Report Status** This document has been compiled by RMT on behalf of the manufacturer of the product and serves as the manufacturer's Safety Data Sheet ('SDS').

**Product Name**     **SALT**

It is based on information concerning the product which has been provided to RMT by the manufacturer or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

**Prepared By**     Risk Management Technologies  
5 Ventnor Ave, West Perth  
Western Australia 6005  
Phone: +61 8 9322 1711  
Fax: +61 8 9322 1794  
Email: info@rmt.com.au  
Web: www.rmt.com.au

**SDS Date** 01 Nov 2010

**End of Report**