

TENNANTS DISTRIBUTION LIMITED

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PRODUCT DATA SHEET

(This booklet incorporates the Specification and M.S.D.S.)

| PRODUCT | SALT TABLETS | | |
|-------------------------|--------------|-------------|--|
| CAS NO. | 7647-14-5 | | |
| TARIFF NO. | 250100990 | | |
| U.N NO. | N/R | | |
| EINECS NO. | 231-598-3 | | |
| IMCO CLASS | N/R | | |
| HAZARDS | | | |
| SPECIFICATION REFERENCE | SATA/1 | DATE JUN 01 | |
| REFERENCE NO. | SATA/1 | DATE JUN 01 | |
| PREVIOUS EDITION. | | DATE | |

| PRODUCT SPECIFICATION | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|
| Product Name | Salt Tablets |
| Alternative Name | Sodium Chloride |
| Product Grade | Conforms to 'Vacuum Salt for Food Use' |
| SALES SPECIFICATION | |
| Sodium Chloride (NaCl) | 99.9% |
| Calcium (Ca) | 100 ppm |
| Magnesium (Mg) | 100 ppm |
| Insolubles | 200 ppm |
| Sulphate (SO ₄) | 500 ppm |
| Moisture (H ₂ O) | 0.05% |
| Alkalinity (as CO ₃) | Not detected |
| Physical Qualities | |
| Size | Diameter 25 mm capped. Height 12 mm |
| Density | Approx. 2.1 kg/litre |
| NOTES | |
| <p>Exclusion of Liability</p> <p>Information contained in this publication is accurate to the best of the knowledge and belief of Tennants.</p> <p>Any information or advice obtained from Tennants otherwise than by means of this publication and whether relating to Tennants materials or other materials, is also given in good faith. However, it remains at all times the responsibility of the customer to ensure that Tennants materials are suitable for the particular purpose intended.</p> <p>Tennants accepts no liability whatsoever (except as otherwise provided by law) arising out of the use of information supplied, the application, adaptation or processing of the products described herein, the use of other materials in lieu of Tennants materials or the use of Tennants materials in conjunction with such other materials.</p> <p>Health and Safety</p> <p>A Material Safety Data Sheet has been issued describing the health, safety and environmental properties of this product, identifying the potential hazards and giving advice on the handling precautions and emergency procedures. This must be consulted fully before handling, storage and use.</p> | |

| SAFETY DATA SHEET | |
|-------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY | |
| Product: | Salt Tablets |
| COMPANY: | TENNANTS DISTRIBUTION LIMITED |
| | Hazelbottom Road Botany Way |
| | Cheetham Purfleet |
| | Manchester Essex |
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| | Emergency Tel No. 01865 407333 |
| 2. COMPOSITION/INFORMATION ON INGREDIENTS | |
| Chemical Formulae: | NaCl |
| Chemical Family Name: | Sodium Chloride |
| CAS No.: | 7647-14-5 |
| EINECS No.: | 231-598-3 |
| 3. HAZARDS IDENTIFICATION | |
| Inhalation | Very high concentrations of salt dust may result in inflammation of the mucous membranes of the respiratory tract. |
| Skin Contact | Dry salt and concentrated solutions can cause withdrawal of fluid from skin and may, on prolonged contact, produce irritation. |
| Eye Contact | Salt and salt solutions are not toxic to the eye, but concentrations much above that of tears cause a stinging sensation |
| Ingestion | Acute and chronic toxic effects can result from the ingestion of excessive amounts of either salt or brine. Salt should not be used as an emetic to induce vomiting. High concentrations produce inflammatory reactions in the gastrointestinal tract and can cause vomiting, diarrhoea, convulsions and collapse. The ingestion of hypertonic solutions and cause fatal disturbances of body electrolyte and fluid balance, particularly in the young and elderly. Less than tablespoon of salt may severely poison an infant and sometimes prove fatal. |
| 4. FIRST AID MEASURES | |
| First Aid - Eyes | Irrigate with eye wash solution or clean water. If symptoms develop obtain medical attention. |
| First Aid - Skin | Wash with plenty of water. |
| First Aid - Inhalation | Remove patient to fresh air. Keep warm and at rest. Give drinks if desired |
| First Aid - Ingestion | Vomiting will probably occur. Provided the patient is conscious give plenty of liquid to drink. Obtain immediate medical attention especially if vomiting has not occurred. |
| 5. FIRE FIGHTING MEASURES | |
| Flammability | Non flammable |
| Extinguishing Media | Use agents suitable for type of surrounding fire, dry chemical, CO ₂ , water spray or foam |
| Special Hazards | Salt withstands temperatures up to its melting point and beyond without decomposing, but at very high temperatures (greater than approx. 800°C) a vapour may be emitted which is particularly irritation to the eyes |
| Protective Equipment | As applicable to the combustion products associated with the fire |
| 6. ACCIDENTAL RELEASE MEASURES | |
| Spillages | Spillages should be swept up or may be safely water hosed to drain under normal circumstances |
| Personal Protection | Avoid prolonged contact with the skin and inhalation of dust concentrations, otherwise normal good handling and housekeeping practice is adequate. No special protective clothing is required. An eyewash bottle with clean water should be available |
| 7. HANDLING AND STORAGE | |
| Handling | Salt dust is non flammable, but static electricity can be generated by pneumatic conveying, therefore pipes should be bonded and earthed, especially in environments where a spark could prove hazardous |
| Storage | Due to its hygroscopic nature, dried vacuum salt should be stored in a dry atmosphere and away from concentrated acids. Absorbs moisture if the |

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| relative humidity is above 75%. | |
| 8. EXPOSURE CONTROLS/PERSONAL PROTECTION | |
| Occupational Exposure Limits | As total dust 10mg/m ³ (8hr TWA) As respirable dust 5mg/m ³ (8hr TWA) |
| Dangerous Exposure | None specified |
| Engineering Controls | Static electricity can be generated by pneumatic conveying, therefore pipes should be bonded and earthed, especially in environments where a spark could prove hazardous |
| Personal Protection | |
| Respiratory Protection | If the process is such that salt dust is generated, a disposable face mask should be worn |
| Hand Protection | Gloves to be worn if prolonged contact is anticipated. Dry salt and concentrated solutions can cause withdrawal of fluid from the skin |
| Eye Protection | Wear chemical safety goggles in situations where contact with the eyes may occur |
| Skin Protection | Skin should be washed to remove salt. Dry salt and concentrated solutions can cause withdrawal of fluid from the skin |
| Other Protective Measures | An eyewash and hand washing facilities should be readily available |
| 9. PHYSICAL AND CHEMICAL PROPERTIES | |
| Physical State | White crystalline solid |
| pH | 32.5°C |
| Boiling Point | 1413°C |
| Melting Point | 802°C |
| Flammability | Non flammable |
| Flash Point | Non flammable |
| Explosive Properties | Non flammable |
| Oxidising Properties | Not applicable |
| Vapour Pressure | 2.4mm Hg as 747°C |
| Density | 2.165 gcm ⁻³ (of crystalline solid at 20°C) |
| Water Solubility | 35.6 g/100g at 0°C, 39.2 g/100g at 100°C |
| Viscosity | Not applicable |
| Vapour Density | Not applicable |
| 10. STABILITY AND REACTIVITY | |
| Stability | Stable |
| Hazardous Decomposition Products | Trace amount of hydrogen chloride gas may be evolved at temperatures in excess of 800°C. Contains no water on crystallisation. Does not react with alkalis at ordinary temperatures |
| Conditions to Avoid | Reacts with strong sulphuric acid or nitric acid to give hydrogen chloride gas |
| Materials to Avoid | Under wet conditions can corrode many common metals, particularly iron, aluminium and zinc. Stainless steel and model resist attack. |
| 11. TOXICOLOGICAL INFORMATION | |
| Eyes | Dusts may be irritating |
| Skin | Irritation after prolonged contact |
| Ingestion | Salt is an essential constituent of the diet. It provides important body electrolytes and is the source of hydrochloric acid present in the gastric juices. The blood stream contains nearly 1% sodium chloride. In normal industrial use salt is not hazardous. LD50 3000 mg/kg oral, rat |
| Inhalation | Dusts may be irritating |
| Carcinogenicity | Not considered to be a carcinogen |
| Mutagenicity | Not considered to be a mutagen |
| Reproductive Effects | None identified |
| 12. ECOLOGICAL INFORMATION | |
| Environmental Effect | A maximum value of 412 mg/l ensures the protection of all aquatic life. Source: Water Research Centre - September 1990 |
| | 96 hour LC (Fish) 6750 mg/l |
| | 48 hour EC (Daphnia) 2024 mg/l |
| | 72 hour IC (Algae) 3014 mg/l |
| | Daphnia Sub acute 1062 mg/l |
| | Fish Sub acute 433 mg/l |

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|-------------------------------------------------------------------|-------------|
| BOD 5 Day | 0 mg/e |
| COD | 0 mg/e |
| Earthworm Toxicity | 1000 hg/cm2 |
| 13. DISPOSAL CONSIDERATIONS | |
| Disposal should be in accordance with local regulations. . | |
| 14. TRANSPORT INFORMATION | |
| Not classified as Hazardous for Transport | |
| 15. REGULATORY INFORMATION | |
| This product not classified as dangerous for supply or conveyance | |
| 16. OTHER INFORMATION | |
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