

REVISION DATE: 02.08.2010

SAFETY DATA SHEET

SODIUM CHLORIDE

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	SODIUM CHLORIDE
CAS-No.	7647-14-5
EC No.	231-598-3
PRODUCT NO.	NA7255, NA7261, NA7265, NA7266, NA7285, NA7286, NA7295, NA7305, NA7375, NA7425, NA7445, NA7775
SYNONYMS, TRADE NAMES	Salt, ROCK SALT, SALT PDV, SEA SALT, MEINSALZ GRANULAR & TABLETS, SALT TABLETS, BROXO 16-15, BIASOFT TABLETS, BIASOFT GRANULAR, HYDROSOFT TABLETS, HYDROSOFT GRANULAR, GRANULITE, AQUASOL
APPLICATION	Industrial application
SUPPLIER	Abbey Chemicals Victory House 245 Southtown Road Great Yarmouth Norfolk NR31 0JJ Tel: +44 1493 850 303 Fax: +44 1493 330 909 Web: www.abbeychemicals.co.uk
Emergency Contact Number (Office Hours)	+44 1493 850 303
Emergency Contact Number (Outside Office Hours)	+44 1493 850 303
SDS No.	20327

2 HAZARDS IDENTIFICATION

CLASSIFICATION (67/548)	-	
CLASSIFICATION (EC 1272/2008)	Physical	Not classified.
	Health	Not classified.
	Environmental	Not classified.

3 COMPOSITION/INFORMATION ON INGREDIENTS

EC No.	231-598-3
CAS-No.	7647-14-5
Chemical Name	Sodium chloride

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

INGESTION

Immediately rinse mouth and provide fresh air. Get medical attention if any discomfort continues. Do not induce vomiting.

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SKIN CONTACT

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

EYE CONTACT

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

SPECIFIC HAZARDS

When heated and in case of fire, irritating vapours/gases may be formed.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet.

ENVIRONMENTAL PRECAUTIONS

Do not discharge onto the ground or into water courses.

SPILL CLEAN UP METHODS

Avoid generation and spreading of dust. Shovel into dry containers. Cover and move the containers. Flush the area with water. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Avoid handling which leads to dust formation.

STORAGE PRECAUTIONS

Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate ventilation. Observe occupational exposure limits and minimize the risk of inhalation of dust.

RESPIRATORY EQUIPMENT

No specific recommendation made, but protection against nuisance dust must be used when the general level exceeds 10 mg/m³.

HAND PROTECTION

Use suitable protective gloves if risk of skin contact.

EYE PROTECTION

Wear approved safety goggles.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

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SODIUM CHLORIDE**9 PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE	Crystalline powder Solid Crystals or crystalline Granular		
COLOUR	Varying		
BOILING POINT (°C)	1413 - 1465	MELTING POINT (°C)	8.1 - 802
RELATIVE DENSITY	2.165 - 2.170 g/ml	VAPOUR PRESSURE	2.4 mm Hg 747
pH-VALUE, CONC. SOLUTION	7.5 @ 18 Deg C	PARTITION COEFFICIENT (N-Octanol/Water)	-3.0
SOLUBILITY VALUE (g/100g H ₂ O@20°C)	31% @18 Deg C		

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid excessive heat for prolonged periods of time.

HAZARDOUS DECOMPOSITION PRODUCTS

Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

11 TOXICOLOGICAL INFORMATION

TOXIC DOSE 1 - LD 50 3000 mg/kg (oral rat)

INHALATION

Dust in high concentrations may irritate the respiratory system.

INGESTION

May cause discomfort if swallowed.

SKIN CONTACT

Powder may irritate skin.

EYE CONTACT

Particles in the eyes may cause irritation and smarting.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

Not regarded as dangerous for the environment.

LC 50, 96 Hrs, FISH mg/l 6750

EC 50, 48 Hrs, DAPHNIA, mg/l 2024

IC 50, 72 Hrs, ALGAE, mg/l 3014

MOBILITY

The product is soluble in water.

DEGRADABILITY

The product is not readily biodegradable.

WATER HAZARD CLASSIFICATION

WGK 1

13 DISPOSAL CONSIDERATIONS**GENERAL INFORMATION**

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

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GENERAL

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

15 REGULATORY INFORMATION

EU DIRECTIVES

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

STATUTORY INSTRUMENTS

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

APPROVED CODE OF PRACTICE

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations.

GUIDANCE NOTES

CHIP for everyone HSG(108).

16 OTHER INFORMATION

ISSUED BY

Abbey Chemicals

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REV. NO./REPL. SDS 01

GENERATED

SDS NO. 20327

SAFETY DATA SHEET STATUS

Approved.

DATE 14.11.2007

SIGNATURE Abbey Chemicals