SAFETY DATA SHEET
SODIUM CHLORIDE

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME	SODIUM CHLORIDE
SYNONYMS, TRADE NAMES	Salt, PVD Salt, NaCl
APPLICATION	Oil well drilling fluid additive. Oil well completion fluid additive.
SUPPLIER	M-I Drilling Fluids UK Ltd, Pocra Quay, Footdee, Aberdeen. AB11 5DQ T -44 (0)1224-584336 F -44 (0)1224-576119
EMERGENCY TELEPHONE	+44(0)208 762 8322

2 COMPOSITION/INFORMATION ON INGREDIENTS

EU INDEX NO.	000-000-00-0
EC (EINECS) NO.	231-598-3
CAS-NO.	7647-14-5

COMPOSITION COMMENTS

The data shown is in accordance with the latest EC Directives.

3 HAZARDS IDENTIFICATION

Not regarded as a health hazard under current legislation.

CLASSIFICATION -

4 FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

INGESTION

Rinse mouth thoroughly. Drink plenty of water. Contact physician if larger quantity has been consumed. Do not induce vomiting.

SKIN CONTACT

Wash skin thoroughly with soap and water. Remove contaminated clothing. Get medical attention if any discomfort continues.

EYE CONTACT

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 material is not combustible. Use fire-extinguishing media appropriate for surrounding materials.

UNUSUAL FIRE & EXPLOSION HAZARDS

No unusual fire or explosion hazards noted.

SPECIFIC HAZARDS

Fire or high temperatures create: Chlorine. Oxides of: Sodium. Chlorides.

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 into drains, water courses or onto the ground.

SPILL CLEAN UP METHODS

Shovel into dry containers. Cover and move the containers. Flush the area with water. Be aware of potential for surfaces to become slippery when wet.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

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

STORAGE PRECAUTIONS

Store at moderate temperatures in dry, well ventilated area. Keep containers tightly closed. Corrosive to most metals.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT COMMENTS

NUI = Nuisance dust, WEL TWA 4mg/m3 Respirable Dust, 10 mg/m3 Total Dust.

PROTECTIVE EQUIPMENT

ENGINEERING MEASURES

Provide adequate general and local exhaust ventilation.

RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided. Dust filter P2 (for fine dust).

HAND PROTECTION

No specific hand protection noted, but gloves may still be advisable. Rubber or plastic.

EYE PROTECTION

Wear dust resistant safety goggles where there is danger of eye contact.

OTHER PROTECTION

Wear appropriate clothing to prevent repeated or prolonged skin contact. Provide eyewash station.

9 PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Crystals or Crystalline powder
COLOUR	White
ODOUR	Odourless No characteristic odour.
SOLUBILITY	Soluble in water.

MELTING POINT (°C)	801° C	RELATIVE DENSITY	2.165 20° C
BULK DENSITY	2169 kg/m3	pH-VALUE, DILUTED SOLUTION	~ 7 1
SOLUBILITY VALUE (g/100g H2O@ 20°C)	35.7		

10 STABILITY AND REACTIVITY

STABILITY

Stable under normal temperature conditions.

CONDITIONS TO AVOID

Avoid wet and humid conditions. Hygroscopic. Corrosive to metals.

MATERIALS TO AVOID

Strong oxidising substances. Strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS

Fire or high temperatures create: Chlorine. Oxides of: Sodium. Chlorides.

11 TOXICOLOGICAL INFORMATION

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

INHALATION

Dust may irritate respiratory system or lungs.

INGESTION

May cause gastric distress, nausea and vomiting if ingested.

SKIN CONTACT

Powder may irritate skin.

EYE CONTACT

Particles in the eyes may cause irritation and smarting.

HEALTH WARNINGS

INGESTION. This product has low toxicity. Only large volumes may have adverse impact on human health.

12 ECOLOGICAL INFORMATION

ECOTOXICITY

Contact M-I Swaco's QHSE Department for ecological information. Not regarded as dangerous for the environment. OSPAR have defined this chemical as PLONOR.

13 DISPOSAL CONSIDERATIONS

DISPOSAL METHODS

Recover and reclaim or recycle, if practical. Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION

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

15 REGULATORY INFORMATION

RISK PHRASES

NC	Not classified.

SAFETY PHRASES

NC	Not classified.

UK REGULATORY REFERENCES

Chemicals (Hazard Information & Packaging) Regulations.

EU DIRECTIVES

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EEC.

GUIDANCE NOTES

Workplace Exposure Limits EH40.

16 OTHER INFORMATION

GENERAL INFORMATION

HMIS Health - 1 HMIS Flammability - 0 HMIS Physical Hazard - 0 E - Safety glasses, Gloves, Dust Respirator

INFORMATION SOURCES

Micromedex. Material Safety Data Sheet, Misc. manufacturers.

REVISION COMMENTS

Revised by Silvia Smart. The following sections have been revised: 2, 4, 5, 6, 7, 8, 10, 13, 15, 16.

ISSUED BY

Dr. Kirsty Walker

REVISION DATE	21-06-06
REV. NO./REPL. SDS GENERATED	3
SDS NO.	20036

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