



MATERIAL SAFETY DATA SHEET

SECTION I: IDENTIFICATION OF PRODUCT

PRODUCT NAME: Soda Ash
PRODUCT USE: Oil Well Fluid Additive **CAS No.** 407-10-8
CHEMICAL FAMILY: Sodium Carbonate, Anhydrous (Na₂CO₃)

WORK PLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: D-2(B)
WORK PLACE HAZARD: Skin and Eye Irritant

TRANSPORTATION OF DANGEROUS GOODS (TDG)

SHIPPING NAME: Not Dangerous Goods
TDG CLASSIFICATION: N/A
UN NUMBER (PIN): N/A
PACKING GROUP: N/A

SECTION II: HAZARDOUS INGREDIENTS

<u>INGREDIENT</u>	<u>PERCENT</u>	<u>CAS NUMBER</u>	<u>LD₍₅₀₎Oral-Rat</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Sodium Carbonate	>99%	497-19-8	4 g/kg	N/D	N/D

SECTION III: TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: SKIN EYE CONTACT INHALATION INGESTION

EFFECTS OF OVEREXPOSURE: Will result in skin and eye irritation.
EYE CONTACT: May irritate or burn eyes.
SKIN CONTACT: May cause skin irritation from prolonged contact, especially in hot weather.
INGESTION: May cause nausea, vomiting, stomach ache and diarrhoea.
INHALATION: Inhalation of product may irritate nose, throat and lungs.

SECTION IV: FIRST AID MEASURES



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SKIN CONTACT:	Immediately wash skin with lots of soap and water. Remove contaminated clothing and shoes; wash before reuse. Get medical attention if irritation persists after washing.
EYE CONTACT:	Immediately flush eyes with lots of running water for 15 minutes, lifting the upper and lower eyelids occasionally. Get immediate medical attention.
INGESTION:	Do not induce vomiting. If conscious, give lots of water or milk. Get immediate medical attention. Do not give anything by mouth to an unconscious or convulsing person.
INHALATION:	Remove to fresh air. Give artificial respiration if not breathing. Get immediate medical attention.
TOXICITY:	Moderately toxic LD ₅₀ (rat): 2800 mg/kg

SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR:	Odourless, white powder or granular solid or crystal.
SPECIFIC GRAVITY:	2.533 g/cc
BOILING POINT (°C):	N/A
MELTING POINT (°C):	851°C
pH:	11.7 (15% solution @ 23°C)
SOLUBILITY IN WATER:	18% w/w @ 21°C
PERCENT VOLATILE BY VOLUME:	N/A
EVAPORATION RATE:	N/A

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	Not Flammable
FLAMMABLE LIMITS:	N/A
EXTINGUISHING MEDIA:	Use extinguishing media appropriate for surrounding fire.
SPECIAL FIRE FIGHTING PROCEDURES:	Self-contained respirators required for fire fighting personnel.
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Extinguish nearby sources of ignition.

SECTION VII: REACTIVITY DATA

STABILITY:	Stable [XX]	Unstable []
INCOMPATIBILITY (CONDITIONS TO AVOID):	Contact with acids will release CO ₂ gas. Can react violently with red hot Aluminium metal; fluorine gas; Lithium; and 2, 4, 6-trinitrotoluene.	



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OTHER PRECAUTIONS: When dissolving, add to water cautiously and with stirring; solutions can get hot.

HAZARDOUS DECOMPOSITION PRODUCTS: Heating soda ash liberates CO₂

HAZARDOUS POLYMERIZATION: Will Not Occur [XX] May Occur []

VIII: PREVENTIVE MEASURES

SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Suggest NIOSH/MESA approved dust mask

VENTILATION: Local mechanical

PROTECTIVE GLOVES: Suggest plastic or rubber

EYE PROTECTION: Suggest goggles

OTHER PROTECTIVE EQUIPMENT (Specify): As a minimum, wear long-sleeved shirt, and trousers.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Avoid contact with eyes or prolonged skin contact. Avoid breathing dust. Use good personal hygiene / housekeeping. Store in a cool, dry, well-ventilated place away from acids. Prolonged storage may cause product to cake and become wet from atmospheric moisture. Always obey hazard warnings; handle empty containers as if they were full.

STEPS TO BE TAKEN IN CASE THE MATERIAL IS SPILLED OR RELEASED

Wear appropriate safety gear. Shovel up dry chemical and place into an empty container with cover. Cautiously spray residue with plenty of water. Keep contaminated water from entering sewers and water courses.

WASTE DISPOSAL METHOD

Consistent with the requirements of local waste disposal authorities. If permitted by applicable disposal regulations, bury in a solid waste landfill or dissolve and neutralize as follows: Dissolve in water using caution as solution can get hot. Neutralize with acid and flush to sewer with plenty of water. Good ventilation is required during neutralization due to release of CO₂ gas. Neutralized wastes may have to be disposed of by an approved contractor.

SECTION IX: PREPARATION

THE INFORMATION CONTAINED HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE.

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