MATERIAL SAFETY DATA SHEET

PRODUCT NAME: SODA ASH

Section I MANUFACTURER'S INFORMATION

MANUFACTURER'S NAME & ADDRESS: CETCO – Drilling Products Group
1500 West Shure Drive
Arlington Heights, IL 60004

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Section II HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components
(Specific Chemical Identity: Common Name(s)) Other Limits %
Particulates not otherwise classified OSHA PEL ACGIH TLV Recommended (optional)
(PNOC), total dust 15mg/m (1) 10 mg/m (2) 100

PRODUCT IDENTIFICATION

Chemical Name: Sodium Carbonate CAS# 497-19-8
Chemical Formula: Na₂CO₃

NFPA/HMIS: Health - 0, Fire - 0, Reactivity - 0, Specific Hazard - None
Freight Description: Oil well drilling fluid additive
Application: Calcium precipitation
DOT Class: Not a DOT/IMO Hazardous Material -- Not Regulated

Section III PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point: N.A. Specific Gravity (H₂O = 1): 2.509
Vapor Pressure (mm Hg): Nil Melting Point: 851°C / 1564°F
Vapor Density (AIR = 1): Not Applicable Evaporation Rate (Butyl Acetate = 1): Not Applicable
Solubility in Water: @ 20°C - 33.2 Appearance and Odor: Odorless, white colored granules

Section IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used) - Noncombustible
Flammable Limits - Not Applicable LEL-Not Applicable UEL- Not Applicable
Extinguishing Media - Compatible with agents used to extinguish nearby fires.
Special Fire Fighting Procedures - Normal protective equipment, SCBA recommended
Unusual Fire / Explosion Hazards - None known
This material is not combustible. When heated to decomposition, oxides of carbon and sodium Products evolved when subjected to heat by combustion may form, producing toxic fumes.

Section V REACTIVITY DATA

Stability Stable - Conditions to Avoid - None Known
Incompatibility (Materials to Avoid) - Reacts with hydrated lime to form caustic soda. Acid
Hazardous Polymerization Will Not Occur - Conditions to Avoid - None Known
PRODUCT NAME: SODA ASH

Section VI  HEALTH HAZARD DATA

Route(s) of Entry: Inhalation? Yes  Skin? Yes  Ingestion? Yes  Eye? Yes

Health Hazards (Acute and Chronic): Acute effects may cause mechanical irritation to eyes and respiratory tract. Dust inhalation may lead to bronchitis, emphysema, and asthma. Dermatitis may result from short contact periods. Ingestion may cause nausea, vomiting and diarrhea. There are no reported chronic effects.

Carcinogenicity: NTP? No  IARC Monographs? No  OSHA Regulated? No  ACGIH? No

Toxicity Data: Oral-rat LD50: 4090 g/kg; skin-rabbit: 500 mg/24H mild; eye-rabbit: 100 mg/24H moderate.

Medical Conditions Generally Aggravated by Exposure: None Known

Emergency and First Aid Procedures:
- Eyes: Hold eyelids apart and flush eyes with water for at least 15 minutes. Seek medical attention if irritation persists.
- Skin: Wash thoroughly with soap and water. Remove contaminated clothing if needed.
- Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen.
- Ingestion: Drink water to dilute. Never give anything by mouth to an unconscious person. Seek medical attention.
- Other: Sensitive individuals should avoid further contact. Persons seeking medical attention should carry a copy of this MSDS with them.

Section VII  PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to Be Taken in Case Material is Released or Spilled: Wear proper protective equipment. Contain spill and minimize dust. Re-package or recycle if possible, or place in a suitable waste container. Keep out of sewers and waterways.

Waste Disposal Method: Material is not classified as a hazardous waste by RCRA standards. Dispose of according to state and local regulations dealing with non-hazardous chemical waste.

Precautions to Be Taken in Handling and Storing: Keep dusts to a minimum. Keep container closed. Use with adequate ventilation. See MSDS for proper equipment.

Other Precautions: CAUTION! May cause eye, skin, and respiratory tract irritation. Treat as a nuisance dust.

Section VIII  CONTROL MEASURES

Respiratory Protection (Specify Type): Wear a NIOSH/MSHA approved respirator when the airborne concentration is above the PEL.

Ventilation:
- Local Exhaust: - As appropriate
- Mechanical (General): - As appropriate

Protective Gloves: Chemical Resistant

Eye Protection: Safety goggles

Other Protective Clothing or Equipment: None

Work/Hygienic Practices: Use good housekeeping practices.

Section IX  REGULATORY INFORMATION

Proper Shipping Name: NOT A DOT/IMO HAZARDOUS MATERIAL
ID Number: N/A
Hazard Class or Division: N/A

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