



# FRANCIS DRILLING FLUIDS, LTD.

## MATERIAL SAFETY DATA SHEET

### I. PRODUCT IDENTIFICATION

Trade Name(s): Soda Ash, Light or Dense

Generic Name(s): Sodium Carbonate, Industrial Grade

Chemical Name(s): Same as Generic Name

Francis Drilling Fluids, LTD.  
P.O. Box 1694  
Crowley, LA 70527-1694

Emergency/Telephone No.: 800-960-6610  
337-783-8685  
Hazardous Materials No.: 800-255-3924  
Poison Control Center No.: 800-256-9822

### II. HAZARDOUS INGREDIENTS

| Ingredient | CAS No. | % | Hazard |
|------------|---------|---|--------|
| None       |         |   |        |

### III. NFPA/HMIS HAZARD IDENTIFICATION SYSTEM

0=LEAST      1=SLIGHT      2=MODERATE      3=HIGH      4 =EXTREME

Health: 1

Fire: 0

Reactivity: 0

### IV. PHYSICAL DATA

|  |   |
|--|---|
| Boiling Point (°F): ND                     | Specific Gravity (H <sub>2</sub> O=1): 2.53 |
| Vapor Pressure (mm. Hg): ND                | Melting Point: ND                           |
| Vapor Density (Air = 1): ND                | Evaporation Rate: ND                        |
| Solubility in Water: Insoluble             | pH: (1%) > 1.6                              |
| Density (at 20° C): Bulk 50 - 65 lb./ft. 3 | Odor: Odorless                              |
| Appearance: Fine White-Colored Crystals    |   |

### V. FIRE AND EXPLOSION DATA

|                 |   |
|-----------------|---|
| Flash Point: ND | Flammable Limits:      LEL: ND      UEL: ND |
|                 |   |

Special Fire Fighting Procedures: None Known

Unusual Fire and Explosion Hazards: None Known

Extinguishing Media: ND

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## VI. REACTIVITY

Stability: Stable

Hazardous Polymerization: Will Not Occur

Incompatibility: Static Charges near fire

Hazardous Decomposition: None known

## VII. HEALTH HAZARD INFORMATION

Routes of Exposure and Effects: Entry into the body is not expected when observing standard industrial hygiene procedures.

Skin: Irritant

Eyes: Irritant

Inhalation: Irritant - respiratory tract.

Ingestion: Irritant - gastrointestinal tract.

Permissible Exposure Limits: (for air contaminants)

OSHA PEL (8hr. TWA): Not Available

ACGIH TLV: Not Available

Carcinogenicity:

Listed By NTP: Not Listed

Listed By: IARC: Not Listed

Listed By OSHA: Not Listed

Acute Oral LD50:

Acute Dermal LD50:

Aquatic Toxicology LC50:

Emergency and First Aid Procedures:

Skin: Wash with soap and water.

Eyes: In case of contact with eyes, flush with plenty of fresh water.

Ingestion: Do not induce vomiting. Drink water or milk of magnesia. Seek medical attention.

Inhalation: Remove to fresh air.

Additional Health Hazard Information::

Avoid direct contact with eyes, skin and mouth.

## VIII. HANDLING AND USE PRECAUTIONS

Steps to be Taken if Material is Released or Spilled: Sweep up into container, recycle if possible

Waste Disposal Methods: Disposal in an industrial landfill, according to all applicable laws.

Handling and Storage Precautions: Avoid breathing heavy concentrations of dust, avoid spillage as floors may become slippery, store product in sealed container or bag.

## IX. INDUSTRIAL HYGIENE CONTROL MEASURES

Ventilation Requirements: Supply adequate ventilation.

**SODA ASH, LIGHT OR DENSE**

|   |                              |
|---|------------------------------|
| Respirator: OSHA approved respirator is suggested   |                              |
| Eye Protection: Safety glasses  |                              |
| Gloves: Gloves  |                              |
| Other Protective Clothing or Equipment:   |                              |
| <b>X. SPECIAL PRECAUTIONS</b>   |                              |
| Avoid breathing heavy concentrations of dust, avoid spillage as floors may become slippery, store product in sealed container or bag. |                              |
| <b>XI. ENVIRONMENTAL/SAFETY REGULATION</b>  |                              |
| <b>DEPARTMENT OF TRANSPORTATION</b>   |                              |
| Shipping Name: Not required   | Hazard Class: Not hazardous  |
| Hazardous Substance: Not hazardous  |                              |
| Cautionary Labeling: None required  |                              |
| NA=Not Applicable; ND=Not Determined or No Data   | Date Prepared: June 14, 1995 |

File Name: sodaash

The data presented is true and correct to the best of our knowledge and belief; however, neither seller nor preparer make any warranties, express or implied, concerning the information presented. The user is cautioned to perform his own hazard evaluation and to rely upon his own determinations.