



# Prairie Mud Service

"Serving Western Canada with 24 Hour Drilling Mud Service"

## CAUSTIC SODA

### SECTION I: IDENTIFICATION OF PRODUCT

COMPANY: **Diversity Technologies Corp.** DATE: **May 14, 2014**  
**8750 53<sup>rd</sup> Ave.** PHONE: **780-440-4923**  
**Edmonton, AB T6E 5G2** FAX: **780-469-1899**

PRODUCT NAME: **Caustic Soda (Sodium Hydroxide)**

PRODUCT USE: Oil well drilling fluid additive

CHEMICAL FAMILY: Inorganic sodium salt CAS #: 1310-73-2

### WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: E  
WORKPLACE HAZARD: Corrosive solid

### TRANSPORTATION OF DANGEROUS GOODS (TDG)

PROPER SHIPPING NAME: Sodium hydroxide, solid  
TDG CLASSIFICATION: 8  
UN NUMBER (PIN): UN1823  
PACKING GROUP: II

### SECTION II: HAZARDOUS INGREDIENTS

INGREDIENT	% (w/w)	CAS NUMBER	LD <sub>50</sub> Oral-Rat	LC <sub>50</sub> Inhal-Rat	ACGIH-TLV
Sodium hydroxide	95-99	1310-73-2	No information	No information	2 mg/m <sup>3</sup>
Ceiling					

### SECTION III: HEALTH HAZARDS

ROUTE OF ENTRY:  EYE CONTACT  SKIN CONTACT  INHALATION  INGESTION

EYE CONTACT: Corrosive! May cause severe damage including burns and blindness. Severity of effects depends on concentration and how soon after exposure the eyes are washed.

SKIN CONTACT: Corrosive! May cause severe burns and tissue destruction. There may be a delay between the time of exposure and the onset of irritation depending on the concentration of the product. Prolonged or repeated contact, even to dilute solutions, can cause a high degree of tissue destruction.

INGESTION: Corrosive! May cause severe burns and complete tissue perforation of mucous membranes of mouth, throat and stomach.

INHALATION: Exposure to powder, vapour, mist or liquid can produce burns of the respiratory tract. Severe exposures could result in pulmonary edema.

CARCINOGENICITY: No information available.  
 TERATOGENICITY: No information available.  
 REPRODUCTIVE TOXICITY: No information available.  
 MUTAGENICITY: No information available.  
 SYNERGISTIC PRODUCTS: No information available.

### SECTION IV: FIRST AID MEASURES

SKIN CONTACT: Immediately flush eyes with running water for at least 60 minutes. Hold eyelids apart to ensure thorough flushing. Flushing within seconds of contact is essential to achieve maximum effectiveness. Continue flushing until irritation or burning ceases, then obtain medical attention.

EYE CONTACT: Flush thoroughly with water while removing contaminated clothing and footwear. Obtain medical attention.

INGESTION: Do not induce vomiting. If conscious rinse out mouth and give 1 to 2 glasses of water to drink. If vomiting occurs keep head below hips to prevent aspiration and then give water. Repeat drinks of water every 10 minutes. Obtain immediate medical attention. Never give anything my mouth unless victim is fully conscious.

INHALATION: Move to area free from contaminant. Apply oxygen or artificial respiration if required. Obtain medical attention.

### SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR: White beads; odourless  
SPECIFIC GRAVITY: 2.13

