



SAFE-BFH

Ben Poppel, Liberty Oilfield Services



Sodium Hydroxide (Lye)

- Borate Crosslinked Gel
 - Guar
 - Borate crosslinker
 - High pH buffer
 - Typically sodium hydroxide
- Pulp and Paper Industry
- Textile Manufacturing
- Soap and Detergents
- Municipal Drinking Water
- Drain Cleaner
- Lutefisk – a Norwegian food

SAFE-BFH



950 17th Street • Suite 2000
Denver, CO 80202
303-749-5757

Safe-BFH-3

High pH Buffer
101090

FOR INDUSTRIAL USE ONLY

DOT DESCRIPTION: UN1824, Sodium hydroxide solution, 8, PG II

GHS PRECAUTIONS: Wear protective gloves. Wear eye or face protection. Keep only in original container. Wash hands thoroughly after handling.

GHS RESPONSES: Absorb spillage to prevent material loss. **SKIN:** Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention. **IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. **POISON CENTER** or physician.

HANDLING/STORAGE:

HANDLING: Put on appropriate personal protective equipment (PPE) (e.g., safety glasses, gloves, and a respirator). Do not get in eyes or on skin or clothing. Do not ingest. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear a respirator. Keep in the original container or an approved alternative container, kept tightly closed when not in use. Empty containers retain product residue and should not be reused. Absorb spillage to prevent material loss.

STORAGE: Store in a corrosion resistant container.

PERS 24-Hour Emergency Contact: DOMESTIC SHIPMENTS: 800-633-8253 / INTERNATIONAL SHIPMENTS: 801-629-0667

DANGER

CORROSIVE TO METALS - Category 1
SKIN IRRITATION - Category 2
SERIOUS EYE DAMAGE - Category 1



May be corrosive to metals. Causes serious eye damage. (Prevention: Do not taste or swallow. Avoid contact with skin and clothing. Causes digestive tract burns.)

Get medical attention immediately. Call a poison center or physician. Flush with water, occasionally lifting the upper and lower eyelids. Remove contact lenses. Continue to rinse for at least 10 minutes. Seek medical attention promptly by a physician.

Get medical attention immediately. Call a poison center or physician. Flush mouth with water. Stop if the exposed person feels drowsy or dizzy. See SDS for detailed information.

Get medical attention immediately. Call a poison center or physician. Rest and keep at rest in a position comfortable for breathing. If it is not immediately better, the rescuer should wear an appropriate mask or respirator. See SDS for detailed information.

Get medical attention immediately. Call a poison center or physician. Flush with water. Remove contaminated clothing and shoes. Wash thoroughly with water before removing it, or wear gloves. Continue to rinse. Chemical burns must be treated immediately by a physician. Do not reuse. Clean shoes thoroughly before reuse.

HMIS RATINGS

HEALTH	0	4-EXTREME 3-SERIOUS 2-MODERATE 1-SLIGHT 0-MINIMAL
FLAMMABILITY	0	
REACTIVITY	0	
PERSONAL PROTECTION EQUIPMENT	B	GOGGLES GLOVES

CONTENTS:
Sodium hydroxide

CAS#:
1310-73-2