

NYS Right to Know/Hazard Communication Training (GHS)



QUEST  R III



Prepared by

Patrick Paratore

Health & Safety Specialist

Questar III BOCES

(518) 337-0211

patrick.paratore@questar.org



Compliance Regulation

- All employers fall under the OSHA Hazard Communication Standard 1910.1200
- Public sector employees in New York State also fall under the NYS Right to Know Law
 - NYS Dept. of Labor Law Article 28
 - Enforced by NYS Dept. of Labor,
 - Public Employee Safety and Health Bureau (PESH)

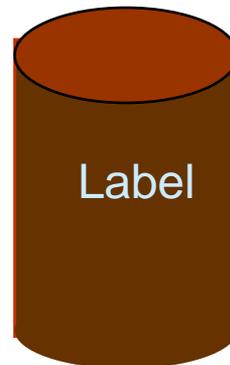
Employer / Employee Protection

To ensure that employers and employees know about work hazards and how to protect themselves so that the incidence of illnesses and injuries due to hazardous chemicals are reduced.

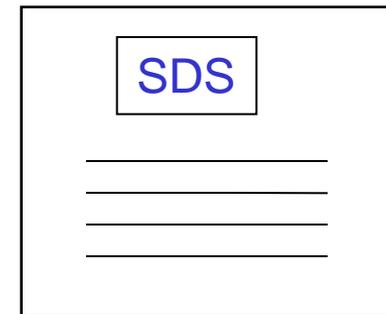
Hazard
Communication
Program



Container
Labeling



Safety
Data Sheet





Questar Responsibilities

- Maintain a written Hazard Communication Program...
- Identify and list hazardous chemicals in their workplace...
- Ensure all chemical containers are properly labeled and stored...
- Train employees on proper use in accordance with the manufacturer...



Questar Responsibilities

- Obtain Safety Data Sheets and labels for each chemical...
- Establish initial and continual training programs for employees...
- Inform employees about NYS Right to Know Law...

Questar Responsibilities

- Develop protective measures in accordance with the manufacturer's requirements...
 - Engineering controls, work practices, when to use PPE
- Know how to detect the presence or release of a hazardous chemical...
 - Odor
 - Appearance
 - Leaking containers/Staining of containers or shelving
 - Air monitoring

Employee Responsibilities

- Participate in training annually...
- Read labels and Safety Data Sheets...
- Follow employer instructions and warnings...
- Identify **HAZARDS** before starting a job...
- Become familiar with the **HazCom Program**...

NYS Right to Know Law

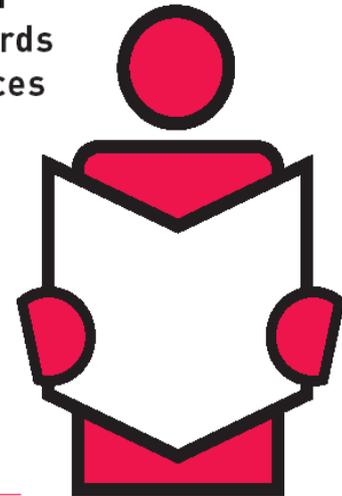
- Provides RIGHT-TO-KNOW poster with contact information...
- Provides access to SDS...
- Maintains exposure and training records for 40 years...
- Requires annual refresher training...

YOU HAVE A RIGHT TO KNOW!

Your employer must inform you of the health effects and hazards of toxic substances at your worksite.

Learn all you can about toxic substances on your job.

For more information, contact:



Name _____

Location & Phone Number _____

THE RIGHT TO KNOW LAW WORKS FOR YOU.
NEW YORK STATE DEPARTMENT OF HEALTH

2706

4/00



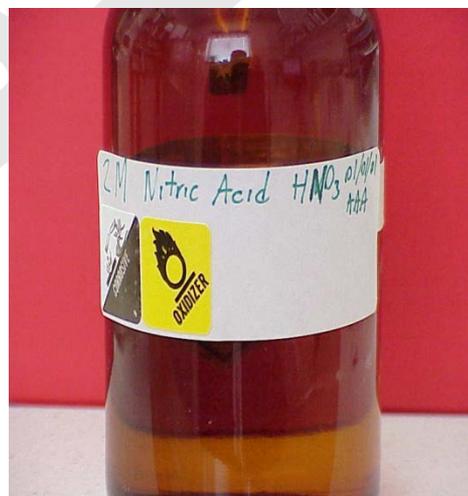
NYS Right to Know Law

- Employers MUST honor the request for information on any hazardous substances in the work place.
- Employees may refuse to work with a hazardous chemical if a written reply has not been received WITHIN (72) WORKING HOURS.
- Employers MAY NOT DISCRIMINATE against an employee who has exercised their right under this law.

How must chemicals be labeled in the workplace?

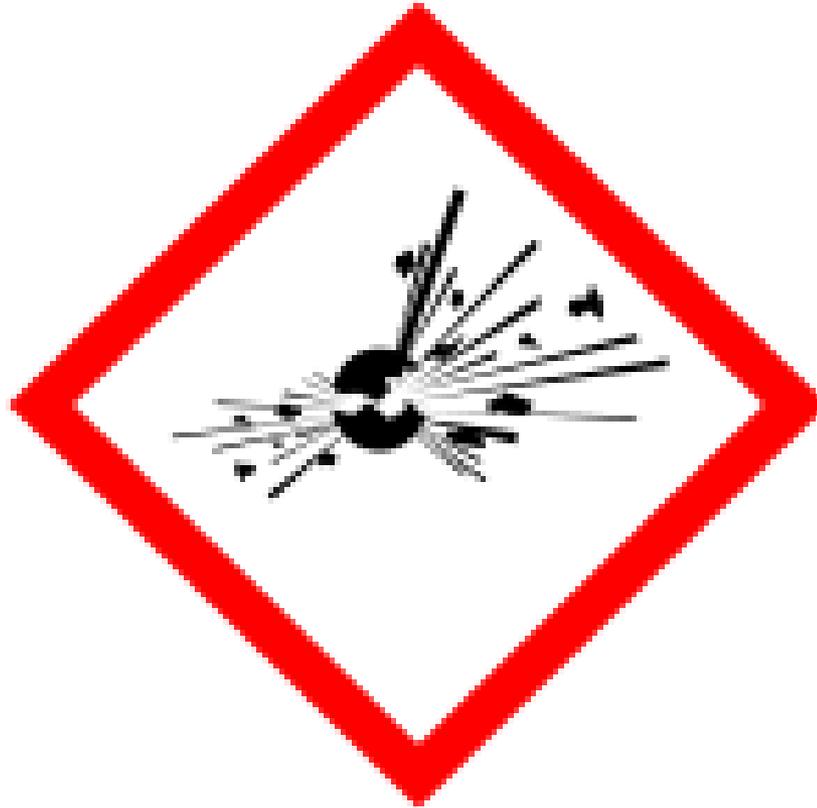
Labels must contain:

- Hazard warnings
 - Message (Text)
 - or
 - Picture
 - or
 - Symbol



New GHS Pictograms

- Explosive



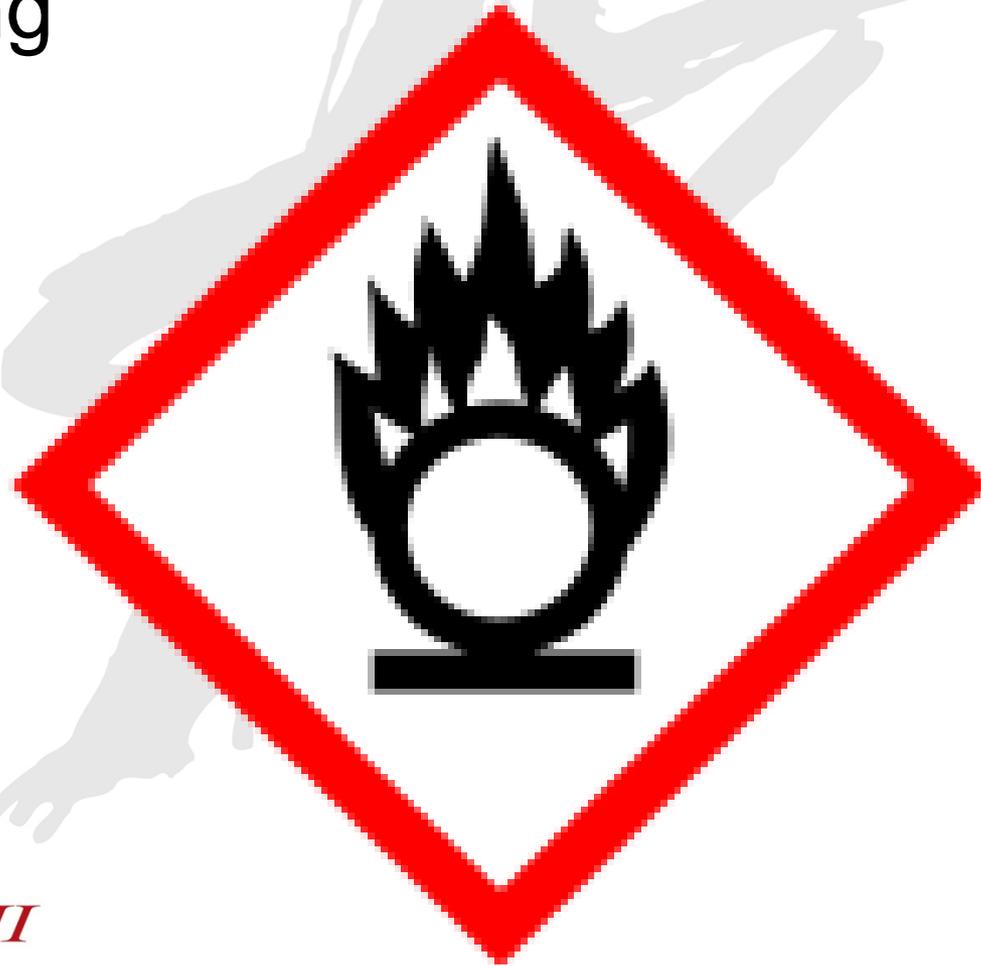
New GHS Pictograms

- Flammable



New GHS Pictograms

- Oxidizing



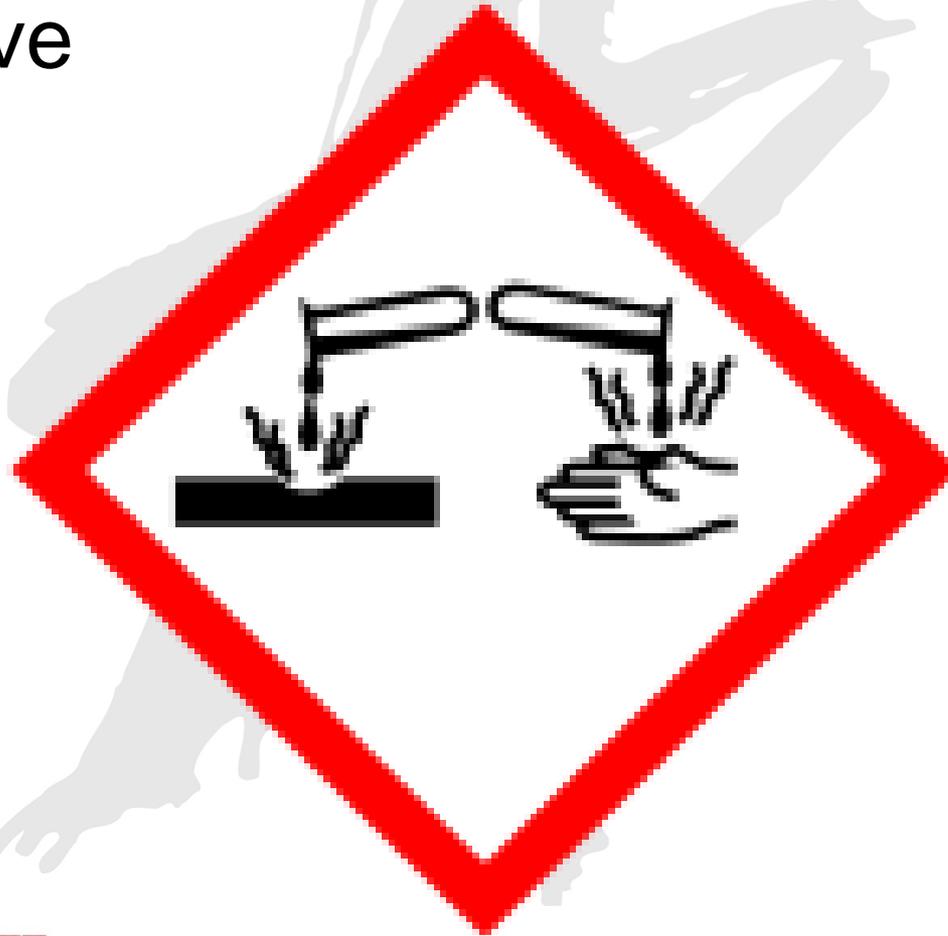
New GHS Pictograms

- Compressed Gas



New GHS Pictograms

- Corrosive



New GHS Pictograms

- Toxic



New GHS Pictogram

- Health Hazard



New GHS Pictogram

- Irritant



New GHS Pictogram

- Environmentally Damaging



Container Labeling in the Workplace

- Labels must be legible
- In English
- Prominently displayed
- Replaced if damaged or missing

All containers must be labeled

- **Including point of use containers**

HMIS LABELING SYSTEM

Name of Material

<input type="checkbox"/>	HEALTH
<input type="checkbox"/>	FLAMMABILITY
<input type="checkbox"/>	REACTIVITY
<input type="checkbox"/>	PROTECTIVE EQUIPMENT

NFPA 704 Diamond

HEALTH HAZARD

- 4 - Deadly
- 3 - Extreme danger
- 2 - Hazardous
- 1 - Slightly hazardous
- 0 - Normal material

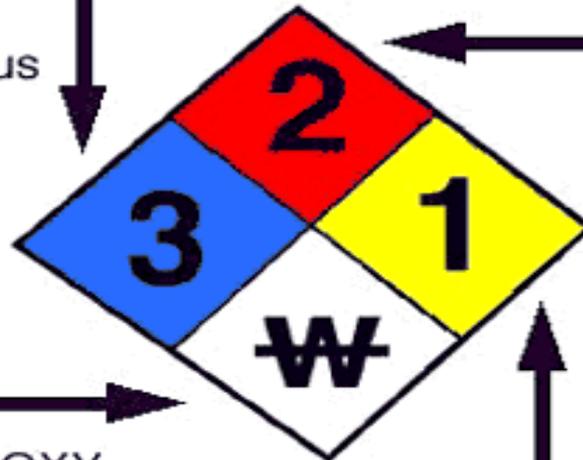
FIRE HAZARD

- Flash Point
- 4 - Below 73° F
 - 3 - Below 100° F
 - 2 - Below 200° F
 - 1 - Above 200° F
 - 0 - Will not burn

SPECIFIC HAZARD

- Oxidizer
- Acid
- Alkali
- Corrosive
- Use NO WATER
- Radiation Hazard

- OXY
- ACID
- ALK
- COR
- ~~W~~
- 



REACTIVITY

- 4 - May detonate
- 3 - Shock and heat may detonate
- 2 - Violent Chemical change
- 1 - Unstable if heated
- 0 - Stable

Safety Data Sheets

- Must be readily accessible to employees in their work area...
- Where employees must travel between work sites, SDS may be kept at their primary work site...

New Safety Data Sheet Sections

- S1 Identification (Product, Manufacturer, Address, Ph #)
- S2 Hazard(s) Identification
- S3 Composition / Info. on Ingredients
- S4 First Aid Measures
- S5 Fire-fighting Measures
- S6 Accidental Release Measures
- S7 Handling & Storage
- S8 Exposure Control / Personal Protection
- S9 Physical & Chemical Properties
- S10 Stability & Reactivity
- S11 Toxicological Information
- S12 Ecological Info. S13 Disposal S14 Transport
- S15 Regulatory Info. S16 Other Info.

Example of Current MSDS's





Material Safety Data Sheet Sodium Hydroxide, 50% MSDS

Section 1: Chemical Product and Company Identification

<p>Product Name: Sodium Hydroxide, 50%</p> <p>Catalog Codes: SLS3127, SLS4549</p> <p>CAS#: Mixture.</p> <p>RTECS: Not applicable.</p> <p>TSCA: TSCA 8(b) inventory: Sodium hydroxide; Water</p> <p>CMF: Not applicable.</p> <p>Synonym: Sodium Hydroxide, 50% Solution</p> <p>Chemical Name: Not applicable.</p> <p>Chemical Formula: Not applicable.</p>	<p>Contact Information:</p> <p>Sciencelab.com, Inc. 14025 Smith Rd. Houston, Texas 77396</p> <p>US Sales: 1-800-901-7247 International Sales: 1-281-441-4400</p> <p>Order Online: ScienceLab.com</p> <p>CHEMTREC (24HR Emergency Telephone), call: 1-800-424-9300</p> <p>International CHEMTREC, call: 1-703-527-3887</p> <p>For non-emergency assistance, call: 1-281-441-4400</p>
--	--

Section 2: Composition and Information on Ingredients

Composition:

Name	CAS #	% by Weight
Sodium hydroxide	1310-73-2	50
Water	7732-18-5	50

Toxicological Data on Ingredients: Sodium hydroxide LD50: Not available. LC50: Not available.

Section 3: Hazards Identification

Potential Acute Health Effects:
Very hazardous in case of skin contact (corrosive, irritant, permeator), of eye contact (irritant, corrosive), of ingestion, . Slightly hazardous in case of inhalation (lung sensitizer). Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Skin contact may produce burns. Inhalation of the spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. Severe over-exposure can result in death. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Potential Chronic Health Effects:
CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to lungs. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation

p. 1

MATERIAL SAFETY DATA SHEET

Sodium Hydroxide 50% Solution



MSDS Ref. No.: 1310-73-2-3
Date Approved: 05/13/2009
Revision No.: 5

This document has been prepared to meet the requirements of the U.S. OSHA Hazard Communication Standard, 29 CFR 1910.1200 and Canada's Workplace Hazardous Materials Information System (WHMIS) requirements.

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME:	Sodium Hydroxide 50% Solution
SYNONYMS:	Caustic Soda Solution; Lye Solution; Sodium Hydrate Solution, White Caustic Solution
GENERAL USE:	pH Control
	This chemical is certified to ANS/NSF Standard 60, Drinking Water Chemicals-Health Effects (as packaged in the original, unopened container). The maximum dosage level for this chemical is 200 mg/L.

MANUFACTURER

FMC Wyoming Corporation
Alkali Chemicals Division
1735 Market Street
Philadelphia, PA 19103
(215) 299-6000 (General Information)
msdsinfo@fmc.com (Email - General Information)

EMERGENCY TELEPHONE NUMBERS

(307) 872-2452 (Plant - Green River, WY)
(303) 595-9048 (Medical - Call Collect)

For leak, fire, spill, or accident emergencies, call:
(800) 424-9300 (CHEMTREC - U.S.A. & Canada)

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

- Water white liquid with no appreciable odor.
- Solution is corrosive to body tissues and metallic materials.
- Product may react violently with acids.

POTENTIAL HEALTH EFFECTS: Solution is corrosive and severely irritating to the eyes and skin.

Page 1 of 9



Summary

Your district has the responsibility to ensure that employees have a safe work environment.

Employees have both a need and a right to know about the hazards of chemicals they are exposed to in the workplace.



Thank you!!