



U.S. Department of the Interior  
Bureau of Land Management

# Hazard Communication (HAZCOM) Program



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# What is it?

- What does HAZCOM stand for?
  - Federal Hazard Communication Program
- True or False: HAZCOM and HAZMAT are the same program
  - FALSE!
- Who governs HAZCOM?
  - OSHA in 29 CFR 1910.1200, Hazard Communication
- Ok then, who governs HAZMAT?
  - Primarily, the EPA





# What is the Purpose of HAZCOM?

- Personnel must understand the hazards of chemicals they use in their work area and how to protect themselves







# Essential Elements of HAZCOM

- 1) Written Program
- 2) Labeling
- 3) Safety Data Sheets
- 4) Chemical Inventory
- 5) Training





# Who and What is Covered?

- Ask yourself:
  - Do I have **any** hazardous materials in my section?
  - “Consumer Use” products may not be covered
- Labs are covered under a “chemical hygiene plan”





# Scenario

- You have received Clorox Hydrogen Peroxide wipes to disinfect your area hourly
- This is a new product for you, what do you do first?
  - A) No big whoop, cleaning stuff is considered consumer use
  - B) Refuse to use the product
  - C) Look for the SDS
  - D) Talk to your supervisor/CDSO about how to safely use the product

This would be pushing the limit for “consumer use” since you probably don’t do this at home





# So what is this “SDS” and where do I find it?

- What does **SDS** Stand for?
  - SDS stands for “**Safety Data Sheet**”
  - This changed somewhat in format in 2012 with OSHA’s adoption of the **Globally Harmonized System**, or **GHS**
  - Standardized to a 16-section format
- Where does your workplace keep their SDSs?
  - Ask your supervisor or CDSO if you don’t know
  - Bonus question: are they up to date?
- How can you get an SDS?
  - Should be shipped with the product
  - Almost always on the website





# So what is this “SDS” and where do I find it?

- SDS must match manufacturer/product
- Must be up-to-date, but still match your product
- SDS retention:
  - You can use chemical inventory to meet 30-year retention requirement







# Before going any further, Let's talk "Product Identifier"



## SAFETY DATA SHEET

Issuing Date No data available

Revision Date 27-Feb-2019

Revision Number 8

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

**Product identifier**

Product Name

Clorox Healthcare Hydrogen Peroxide Cleaner Disinfectant Wipes

**Other means of identification**

Synonyms

None

EPA Pesticide registration number 67619-25

**Recommended use of the chemical and restrictions on use**

Recommended use

Wipes, Disinfecting

Uses advised against

No information available

Details of the supplier of the safety data sheet

### Chemical Inventory

| Product Identifier                          | Chemical Name     | Manufacturer       | HMIS Rating |      |          | Emergency Contact |
|---|-------------------|--------------------|-------------|------|----------|-------------------|
|   |                   |                    | Health      | Fire | Physical |                   |
| Hydrogen Peroxide Cleaner Disinfectant Wipe | Hydrogen peroxide | Clorox Healthcare® | 0           | 0    | 0        |                   |
| Tunnel Paint                                | Various           | Acme               | 4           | 4    | 4        | Wile E. Coyote    |

OSHA requires a "Product Identifier, that you can use to cross-reference label, SDS, and hazardous materials list





# Now, let's search for our SDS


The screenshot shows the Clorox Pro website. The URL in the browser is [cloroxpro.com/products/clorox-healthcare/hydrogen-peroxide-cleaner-disinfectant?gclid=CjwKCAiAp4KCBhB6EiwAxRxbpEsHhylpleq2vHs2Vn1Fkitpi7QaqrleZ4Zuwr0iXfgj1YHabc6gRo](https://cloroxpro.com/products/clorox-healthcare/hydrogen-peroxide-cleaner-disinfectant?gclid=CjwKCAiAp4KCBhB6EiwAxRxbpEsHhylpleq2vHs2Vn1Fkitpi7QaqrleZ4Zuwr0iXfgj1YHabc6gRo). The page features a navigation bar with links for Solutions, Products, Resources & Education, Blog, and SDS. A search icon and a 'WHERE TO BUY' button are also present. The main content area displays the 'Hydrogen Peroxide Cleaner Disinfectant' product, including an image of the canister and descriptive text. A purple arrow points from the product name to a text box on the right.

**Manufacturer website**  
**Hint: I put**  
**manufacturer and**  
**product identifier into**  
**Google to get here**






# Now, let's search for our SDS

**CLOROX-PRO** Solutions Products Resources & Education News & Events Blog SDS  **WHERE TO BUY**

Home / Products / Clorox Healthcare® / *Hydrogen Peroxide Cleaner Disinfectants*



● ○  
Front | Back

**Clorox Healthcare®**  
***Hydrogen Peroxide Cleaner Disinfectants***


Better surface compatibility, less residue, faster kill times\*. Our hydrogen peroxide disinfectants are designed for you to use them daily on common hospital surfaces. No added fragrances or harsh odors means a better patient experience.


EPA-approved to kill the COVID-19 virus.† Read more in Overview section

†SARS-CoV-2 on hard, nonporous surfaces

Multipurpose Wipes Canister (95 ct.)

Select other available product SKUs below:



[View Ingredients](#) 

**VIEW SDS** **WHERE TO BUY**





# Yay my SDS! Now, what does it mean?

Product name/identifier

Recommended uses

Hazard ID/warnings

| THE CLOROX COMPANY   |   | SAFETY DATA SHEET     |   |
|--|---|-----------------------|---|
| Issuing Date   | No data available   | Revision Date         | 27-Feb-2019                               |
|  |   | Revision Number       | 8   |
| <b>1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING</b>                             |   |                       |   |
| <u>Product identifier</u>  | Clorox Healthcare® Hydrogen Peroxide Cleaner Disinfectant Wipes   |                       |   |
| <u>Product Name</u>  |   |                       |   |
| <u>Other means of identification</u>   | None  |                       |   |
| <u>Synonyms</u>  |   |                       |   |
| <u>EPA Pesticide registration number</u>   | 67619-25  |                       |   |
| <u>Recommended use of the chemical and restrictions on use</u>   |   |                       |   |
| <u>Recommended Use</u>   | Wipes, Disinfecting   |                       |   |
| <u>Uses advised against</u>  | No information available  |                       |   |
| <u>Details of the supplier of the safety data sheet</u>  |   |                       |   |
| <u>Supplier</u>  | The Clorox Company  |                       |   |
| <u>Supplier Address</u>  | 1221 Broadway<br>Oakland<br>CA<br>94612<br>US   |                       |   |
| <u>Telephone</u>   | 1-510-271-7000  |                       |   |
| <u>Emergency telephone number</u>  | For Medical Emergencies call: 1-800-446-1014. Transportation Emergencies, call Chemtrec: 1-800-424-9300 |                       |   |
| <u>Emergency Telephone Number</u>  |   |                       |   |
| <b>2. HAZARDS IDENTIFICATION</b>   |   |                       |   |
| <u>Classification</u>  |   |                       |   |
| This product is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).      |   |                       |   |
| <u>GHS Label elements, including precautionary statements</u>  |   |                       |   |
| <u>Emergency Overview</u>  |   |                       |   |
| The product contains no substances which at their given concentration, are considered to be hazardous to health. |   |                       |   |
| <u>Appearance</u>  | White   | <u>Physical state</u> | Pre-Moistened Towelette (no free liquids) |
|  |   | <u>Odor</u>           | Cherry                                    |
| <u>Precautionary Statements - Prevention</u>   |   |                       |   |
| Not applicable   |   |                       |   |
| <u>Precautionary Statements - Response</u>   |   |                       |   |
| None   |   |                       |   |







# Emergency information

## Ingredients

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

The product contains no substances which at their given concentration, are considered to be hazardous to health.

## First aid

### 4. FIRST AID MEASURES

#### First aid measures

##### General Advice

Show this safety data sheet to the doctor in attendance.

##### Eye contact

Rinse thoroughly with water as necessary. Get medical attention if irritation develops and persists.

##### Skin contact

Wash skin with soap and water. Get medical attention if irritation develops and persists.

##### Inhalation

If symptoms develop move victim to fresh air. If breathing is difficult, (trained personnel should) give oxygen. If symptoms persist, call a physician.

##### Ingestion

Drink 1 or 2 glasses of water. Get medical attention if symptoms occur.

##### Self-protection of the first aider

Use personal protective equipment as required. See Section 8 for more detail.

#### Most important symptoms and effects, both acute and delayed

##### Most Important Symptoms and Effects

None known.

#### Indication of any immediate medical attention and special treatment needed

##### Notes to Physician

Treat symptomatically.

### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures

##### Personal precautions

Avoid contact with eyes.

##### Other Information

Refer to protective measures listed in Sections 7 and 8.

#### Environmental precautions

##### Environmental precautions

See Section 12 for additional Ecological Information.

#### Methods and material for containment and cleaning up

##### Methods for containment

Prevent further leakage or spillage if safe to do so.

##### Methods for cleaning up

Absorb and containerize. Wash residual down to sanitary sewer. Contact the sanitary treatment facility in advance to assure ability to process washed-down material.

## In case of a spill...





# Handling and PPE

How to use safely!

## 7. HANDLING AND STORAGE

### Precautions for safe handling

#### Handling

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product.

### Conditions for safe storage, including any incompatibilities

#### Storage

Keep containers tightly closed in a dry, cool and well-ventilated place.

#### Incompatible products

None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Guidelines

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits NIOSH IDLH Immediately Dangerous to Life or Health

### Appropriate engineering controls

#### Engineering Measures

Ventilation systems

### Individual protection measures, such as personal protective equipment

#### Eye/face protection

No special protective equipment required.

#### Skin and body protection

No special protective equipment required.

#### Respiratory protection

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

#### Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice.

Required controls

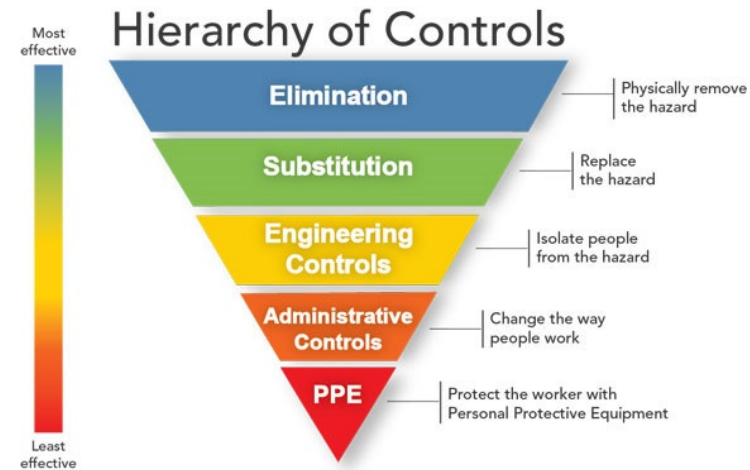




# A Quick Word on Controls

Name three types of controls:

- Engineering controls
  - Examples?
  - Ventilation, process isolation
- Administrative controls
  - Examples?
  - Work practices, training
- Personal Protective Equipment (PPE)
  - Examples?
  - Gloves, respirators, aprons, goggles/safety glasses





# Compatibility and Toxicology

## Compatibility

### 10. STABILITY AND REACTIVITY

#### Reactivity

No data available

#### Chemical stability

Stable under recommended storage conditions.

#### Possibility of Hazardous Reactions

None under normal processing.

#### Conditions to avoid

None known based on information supplied.

#### Incompatible materials

None known

#### Hazardous Decomposition Products

None known.

### 11. TOXICOLOGICAL INFORMATION

#### Information on likely routes of exposure

##### Product Information

|              |   |
|--------------|---|
| Inhalation   | May cause irritation of respiratory tract.  |
| Eye contact  | May cause slight irritation.  |
| Skin contact | Substance may cause slight skin irritation.   |
| Ingestion    | Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. |

##### Component Information

#### Information on toxicological effects

**Symptoms** No information available.

#### Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Sensitization** No information available.

**Mutagenic Effects** No information available.

**Carcinogenicity** There are no known carcinogenic chemicals in this product.

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Chronic Toxicity** No known effect based on information supplied.

**Target Organ Effects** No information available.

**Aspiration Hazard** No information available.

#### Numerical measures of toxicity Product Information

The following values are calculated based on chapter 3.1 of the GHS document

No information available

## Toxicology







# Disposal

Disposal

## 13. DISPOSAL CONSIDERATIONS

Waste treatment methods  
**Disposal methods**

Dispose of in accordance with federal, state and local regulations.

**Contaminated Packaging**

Do not reuse empty containers. Dispose of in accordance with federal, state and local regulations.

**California Waste Codes**

232

This product contains one or more substances that are listed with the State of California as a hazardous waste.





# Other information

Good to know!

## 15. REGULATORY INFORMATION

### International Inventories

|      |  |
|------|--|
| TSCA | All components are listed on the TSCA Inventory      |
| DSL  | All components are listed either on the DSL or NDSL. |

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

### US Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### SARA 311/312 Hazard Categories

|                                   |    |
|-----------------------------------|----|
| Acute Health Hazard               | No |
| Chronic Health Hazard             | No |
| Fire Hazard                       | No |
| Sudden release of pressure hazard | No |
| Reactive Hazard                   | No |

#### CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

#### US State Regulations

##### California Proposition 65

This product does not contain any Proposition 65 chemicals.

#### U.S. State Right-to-Know Regulations

This product does not contain any substances above threshold limits that are regulated by state right-to-know.

#### EPA Statement

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

#### EPA Pesticide label

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

## 16. OTHER INFORMATION

|      |                  |                |                   |                                 |
|------|------------------|----------------|-------------------|---------------------------------|
| NFPA | Health Hazards 0 | Flammability 0 | Instability 0     | Physical and Chemical Hazards - |
| HMIS | Health Hazards 0 | Flammability 0 | Physical Hazard 0 | Personal Protection A           |

Hey look! 16 Sections!





# Am I ready to use my new product??

Excited employee!

Slow down there,  
now let's look at the  
product label.





# Labeling

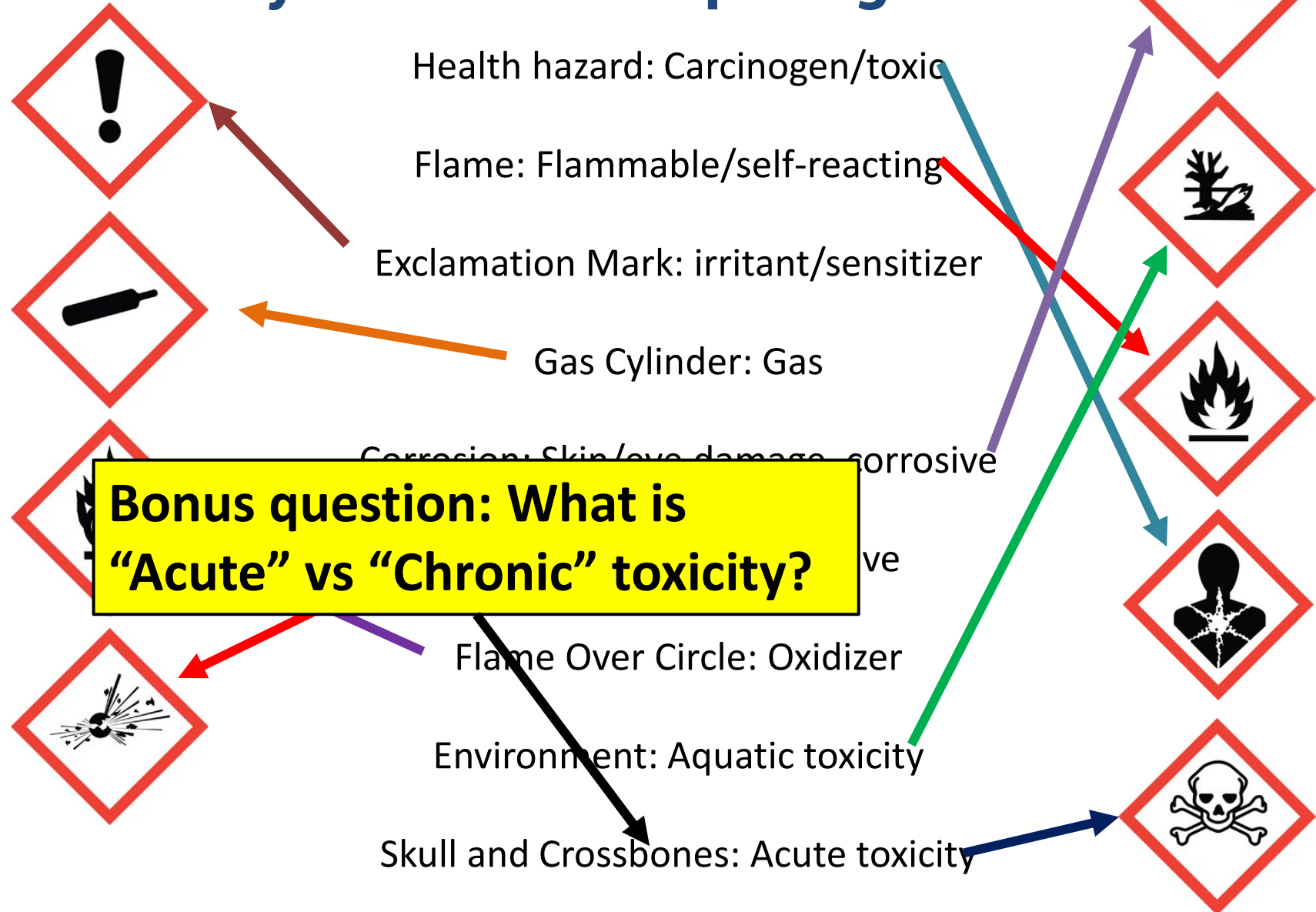
- The 2012 GHS updates brought us some new labeling requirements, any guesses?
  - Harmonized signal word (“Danger” or “Warning”)
  - Pictogram
  - Hazard statement for each hazard class and category
  - Precautionary statements
- Picto-what???
  - A pictogram is a standardized symbol that represents a hazard







# Can you match the pictogram??



**Bonus question: What is  
"Acute" vs "Chronic" toxicity?**





# Let's check out our label!

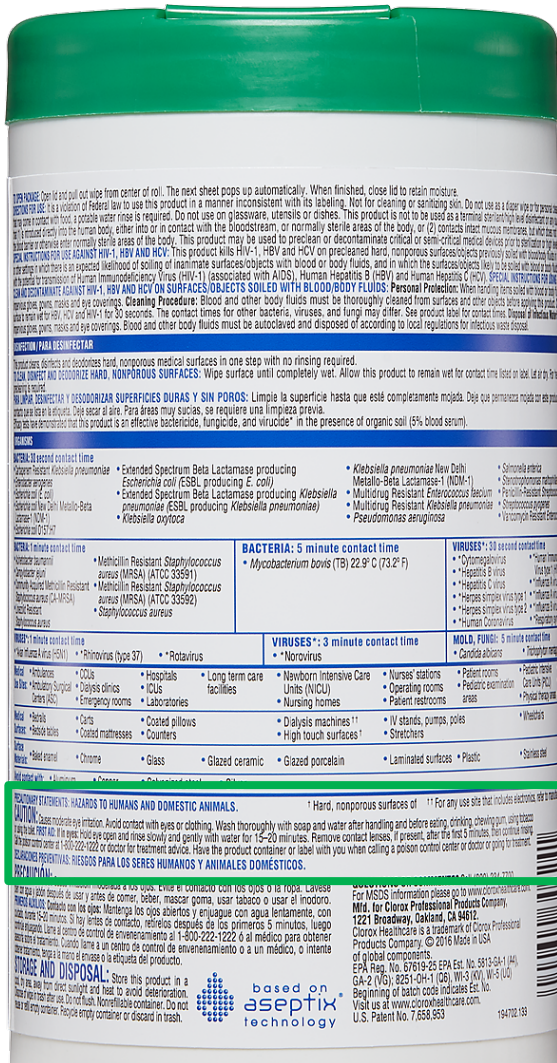


Hey look a,  
pictogram!!!

**This is NOT a GHS  
Pictogram!**



# GHS-Compliant Label



Hazard statement (this product is fairly safe and does not require signal words or pictograms)

Pictograms and signal word (from another product)

**Polyspa 2X Concentrate Enzymatic Prewash and Cleaner** is a low foaming enzymatic detergent for removal of a broad range of soils on surgical instruments and medical devices in the manual cleaning process. Also recommended for use in automated washing equipment including ultrasonic washers. For use on surgical instruments, flexible fiberoptic endoscopes, rigid scopes, manual resuscitators, and apparatus when blood, protein, carbohydrates, mucus, and fluids form hard to remove soils. Consult the manufacturer's recommended reprocessing instructions to determine any additional procedures necessary to clean their particular medical device. Medical Devices should be sterilized or disinfected by appropriate means in a separate subsequent step.

**DIRECTIONS:** Manual/Ultrasonic applications: Fill sink or basin with warm water to the appropriate level to fully immerse surgical instruments. Dilute chemistry 1/8 to 1/2 fl. oz. per gallon (1 to 4 mL per L) of warm water. Activity increases as the water temperature increases. Clean for a minimum of 1 to 5 minutes. Cleaning times may be longer with dried on proteinaceous materials. If lower temperatures are used, a longer cleaning time may be necessary. Do not exceed 130°F (55°C). After cleaning, all surfaces should be thoroughly rinsed with warm water. Solutions should be discarded daily or when visibly soiled.

**Automatic Washer/Disinfectors:** Automatically feed at 1/8 to 1/2 fl. oz. per gallon (1 to 4 mL per L), depending on soil load.

**This is a complete product. Do not add other chemicals, such as bleach, disinfectants, or detergents. Added chemicals may destroy the effectiveness of this product.**

**STORAGE AND DISPOSAL:** Store in a cool dry place. Thoroughly rinse empty container and deposit in waste receptacle for removal.

**CONTAINS:** Subtilisin (proteolytic enzyme), 0.1% (0.1%), Alcohols, CO-11, ethoxylated surfactant, (CAS# 68430-45-3) (1-5%), & N,N-Dimethyloctadecylamine oxide (CAS# 2671-98-2) (1-5%). Causes skin irritation. Causes eye irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Do not breathe mist, vapors, spray. Wear protective gloves, protective clothing, eye and face protection. In case of inadequate ventilation, wear respiratory protection. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

For hospital and professional use only. Not for home use. See Safety Data Sheet for additional information.

automático incluidas las áreas de ultrasonidos. Para uso instrumental quirúrgico, endoscopios fibroscópicos flexibles, tales y aparatos en los que se acumulan restos de sangre, proteína, carbohidratos, mucus y líquidos difíciles de eliminar. Consulte las instrucciones de reprocesamiento recomendadas por el fabricante para determinar los procedimientos adicionales necesarios para limpiar el dispositivo médico específico. Los dispositivos médicos deben esterilizarse o desinfectarse por medios apropiados en un paso individual subsiguiente.

**INSTRUCCIONES:** Aplicaciones manuales/ultrasonido: Llene el fregadero o lavabo con agua tibia hasta el nivel apropiado para sumergir completamente el instrumento. Diluya el producto a un valor de 1 a 4 ml por litro (1/8 a 1/2 onzas fluidas por galón) de agua tibia. La actividad aumenta a medida que aumenta la temperatura del agua. Los tiempos de limpieza pueden ser más largos en el caso de materiales en temperaturas menores, es posible que se necesite un tiempo de limpieza más prolongado. No exceda los 55°C (130°F). Después de la limpieza, todas las superficies deberán enjuagarse con las soluciones, o cuando se encuentren visiblemente sucias. No agregue otras sustancias químicas, tales como lejía o detergentes. La adición de sustancias químicas puede destruir la eficacia de esta producto.

**LAVADORES AUTOMÁTICOS/DESINFECTADORES:** Añadir de 1 a 4 ml por litro (1/8 a 1/2 onzas fluidas por galón) de producto a un recipiente para residuos. Enjuague bien el envase vacío y deposítelo en un contenedor de basura para que sea retirado.

**ALMACENAMIENTO Y DESECHO:** Almacene en un lugar frío a menos de 32°C (90°F). Enjuague muy bien el recipiente vacío y deposítelo en un recipiente para residuos. Enjuague bien el envase vacío y deposítelo en un contenedor de basura para que sea retirado.

**CONTIENE:** Subtilisina (proteolítico, enzima), 0.1% (0.1%), Alcoholes, CO-11, octadecilamina óxido. Provoca irritación cutánea. Puede provocar síntomas de alergia o asma o dificultades respiratorias en caso de inhalación. Puede irritar la piel. No respirar el niebla, los vapores, el aerosol. Llevar guantes, prendas, gafas, mascarara de protección. En caso de ventilación insuficiente, llevar equipo de protección respiratoria. EN CASO DE INGESTIÓN: Enjuagarse la boca. No provocar el vómito. EN CASO DE CONTACTO CON LA PIEL: Lavar con abundante agua y jabón. En caso de irritación: Retirarse a un lugar fresco. EN CASO DE INHALACIÓN: Transportar a la persona al aire libre y mantenerla en una posición que le facilite la respiración. En caso de contacto con los ojos: Aclarar cuidadosamente con agua durante varios minutos. Quitar las lentes de contacto, si lleva y resulta fácil. Seguir aclarando. Solo para el uso profesional y en hospitales. No para uso doméstico. Véase la hoja de datos de seguridad de materiales para información adicional.

Manufactured by: STERIS Corporation, 7501 Page Avenue, St. Louis, MO 63133 USA • 800-548-4873 www.steris.com

Distributed by: STERIS Canada Sales ULC, 375 Brimley Road East • Mississauga, Ontario L4Z 3E2 Canada • 800-661-3937

Produit fabriqué aux États-Unis. Producto fabricado en EE.UU.





# Quick Check

- What is a “Product Identifier”?
- The name or number used for a hazardous chemical on a label or in the SDS
- Same across chemical list, SDS, and label



## SAFETY DATA SHEET

Issuing Date No data available

Revision Date 27-Feb-2019

Revision Number 8

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name

Clorox Healthcare Hydrogen Peroxide Cleaner Disinfectant Wipes

Other means of identification

Synonyms

None

EPA Pesticide registration number 67619-25

Recommended use of the chemical and restrictions on use

Recommended use

Wipes, Disinfecting

Uses advised against

No information available

Details of the supplier of the safety data sheet

### Chemical Inventory

| Product Identifier                          | Chemical Name     | Manufacturer       | HMIS Rating |      |          | Emergency Contact |
|---|-------------------|--------------------|-------------|------|----------|-------------------|
|   |                   |                    | Health      | Fire | Physical |                   |
| Hydrogen Peroxide Cleaner Disinfectant Wipe | Hydrogen peroxide | Clorox Healthcare® | 0           | 0    | 0        |                   |
| Tunnel Paint                                | Various           | Acme               | 4           | 4    | 4        | Wile E. Coyote    |







# What else is required on a label?

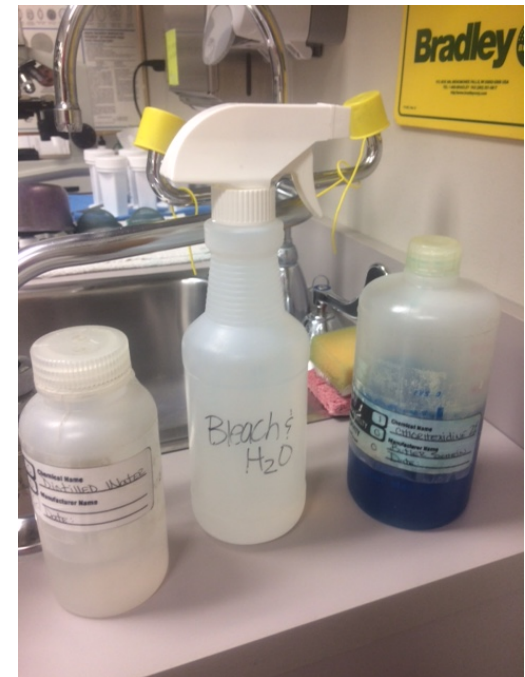
- Should come from the **manufacturer** with:
  - Product Identifier
  - Signal word
  - Hazard statement
  - Pictogram
  - Precautionary statement
  - Name, address, phone # of manufacturer, importer, or other responsible party





# What if something is missing?

- Employer must ensure:
  - Label meets all manufacturer requirements or;
  - Enough information to communicate the hazard
    - Product identifier
    - Words, pictures, and/or symbols





# Quick Check

Question: You found this in your workplace, is it necessary to print out your own GHS-compliant label with hazard statements, signal words, and pictograms?

**NO**





# Labeling requirements for transfer containers

- You would like to transfer some of this into a smaller container for use in this machine. What is a good choice for a transfer container?



A) Aquafina bottle



B) Graduated cylinder



C) GHS labeled squeeze bottle





# Labeling requirements for transfer containers

- It depends!

This solution is  
**NEVER** ok, as  
someone might  
mistake it for  
drinking water



A) Aquafina bottle



C) GHS labeled  
squeeze bottle



B) Graduated  
cylinder







# Labeling requirements for transfer containers

- It depends!



A) Aquafina bottle



This solution is ok  
as long as it's for  
immediate use by  
the same person

B) Graduated  
cylinder



C) GHS labeled  
squeeze bottle





# Labeling requirements for transfer containers

- It depends!



A) Aquafina bottle



B) Graduated cylinder



C) GHS labeled squeeze bottle



This solution is perfect for long-term as well as a short-term use container that is used often





# Find the SDS for this product!



Google

gorilla super glue sds

About 258,000 results (0.78 seconds)

[www.gorillatough.com > wp-content > uploads > Gorilla... PDF](#)

**Safety Data Sheet - Gorilla Super Glue - The Gorilla Glue ...**

Aug 9, 2015 — General: Irritation to eyes, skin and respiratory tract. Inhalation: May cause respiratory irritation. Skin Contact: Causes skin irritation. Eye Contact: Causes serious eye irritation.

---

**Safety Data Sheet - Gorilla Super Glue**

Date Revised: 08/09/2015  
Date Issued: 05/22/2015  
Version: 1.1

**FOR CHEMICAL EMERGENCY:**  
During Business Hours: (800) 966-3458 | Outside Business Hours: (800) 420-7186

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

**SECTION 1: IDENTIFICATION**

Product Identifier  
Product Form: Mixture  
Product Name: Gorilla Super Glue  
Synonyms: Ethyl Cyanoacrylate Adhesive  
Intended Use of the Product  
Adhesive for metal, wood, ceramics, leather, paper, most plastics and more  
Name, Address, and Telephone of the Responsible Party  
Company  
The Gorilla Glue Company  
4550 Red Bank Expressway  
Cincinnati, Ohio 45227  
513-271-3300  
[www.gorillatough.com](http://www.gorillatough.com)  
Emergency Telephone Number  
Emergency number : 1-800-420-7186 (Prosar) -

**SECTION 2: HAZARDS IDENTIFICATION**

Classification of the Substance or Mixture  
Classification (GHS-US)  
Flam. Liq. 4 H227  
Skin Irrit. 2 H315  
Eye Irrit. 2A H319  
STOT SE 3 H335





# Exercise

- Using our Gorilla Super Glue SDS:
  - What is the product identifier?
    - Gorilla Super Glue

## SECTION 1: IDENTIFICATION

### Product Identifier

Product Form: Mixture

Product Name: Gorilla Super Glue

Synonyms: Ethyl Cyanoacrylate Adhesive





# Exercise

- Which section would I find information including pictograms, hazard statement or Signal Word?
  - This information is found under Section 2: Hazards Identification

## SECTION 2: HAZARDS IDENTIFICATION

### Classification of the Substance or Mixture

#### Classification (GHS-US)

Flam. Liq. 4 H227

Skin Irrit. 2 H315

Eye Irrit. 2A H319

STOT SE 3 H335

Full text of H-phrases: see section 16

### Label Elements

#### GHS-US Labeling

#### Hazard Pictograms (GHS-US)



#### Signal Word (GHS-US)

#### Hazard Statements (GHS-US)

: Warning

: H227 - Combustible liquid.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.







# Exercise

- Do you see a pictogram? If so, what is it?
- Is there a signal word? If so, what is it?

## SECTION 2: HAZARDS IDENTIFICATION

### Classification of the Substance or Mixture

#### Classification (GHS-US)

Flam. Liq. 4 H227

Skin Irrit. 2 H315

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STOT SE 3 H335

Full text of H-phrases: see section 16

### Label Elements

#### GHS-US Labeling

#### Hazard Pictograms (GHS-US)



#### Signal Word (GHS-US)

#### Hazard Statements (GHS-US)

: **Warning**

: H227 - Combustible liquid.

H315 - Causes skin irritation.

H319 - Causes serious eye irritation.

H335 - May cause respiratory irritation.





# Exercise

- How does this differ from the product label?
- Do you see a pictogram and/or a signal word?
  - There is no pictogram
    - Is that ok?
    - Yes
    - Why?
    - There is a signal word
    - Which is...?
    - Warning





# Exercise

- What is the hazard statement?
- Does the hazard statement match the pictogram?
  - Yes, we expect to see irritation or sensitizer with the exclamation mark

## SECTION 2: HAZARDS IDENTIFICATION

### Classification of the Substance or Mixture

#### Classification (GHS-US)

Flam. Liq. 4 H227

Skin Irrit. 2 H315

Eye Irrit. 2A H319

STOT SE 3 H335

Full text of H-phrases: see section 16

### Label Elements

#### GHS-US Labeling

#### Hazard Pictograms (GHS-US)

:



#### Signal Word (GHS-US)

: Warning

#### Hazard Statements (GHS-US)

: H227 - Combustible liquid.  
H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
H335 - May cause respiratory irritation.






# Exercise

- You have been asked to provide training in your shop for Gorilla Super Glue, what are some highlights you should cover?
  - Start with the information we already covered, to include the pictogram, signal word, and hazard statement
  - What else would you discuss from Section 2?





# Task-Specific Training information on the SDS




**Safety Data Sheet - Gorilla Super Glue**  
Date Revised: 06/09/2015  
Date Issued: 05/22/2015  
Version: 1.1

**FOR CHEMICAL EMERGENCY:**  
During Business Hours: (800) 966-3458 | Outside Business Hours: (800) 420-7186

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

**SECTION 1: IDENTIFICATION**  
**Product Identifier**  
Product Form: Mixture  
Product Name: Gorilla Super Glue  
Synonyms: Ethyl Cyanoacrylate Adhesive  
**Intended Use of the Product**  
Adhesive for metal, wood, ceramics, leather, paper, most plastics and more  
**Name, Address, and Telephone of the Responsible Party**  
Company  
The Gorilla Glue Company  
4550 Red Bank Expressway  
Cincinnati, Ohio 45227  
513-271-3300  
[www.gorillatough.com](http://www.gorillatough.com)  
**Emergency Telephone Number**  
Emergency number : 1-800-420-7186 (Prosar) -

**SECTION 2: HAZARDS IDENTIFICATION**  
**Classification of the Substance or Mixture**  
Classification (GHS-US)  
Flam. Liq. 4 H227  
Skin Irrit. 2 H315  
Eye Irrit. 2A H319  
STOT SE 3 H335  
Full text of H-phrases: see section 16  
**Label Elements**  
GHS-US Labeling  
Hazard Pictograms (GHS-US) : 

Signal Word (GHS-US) : -Warning  
Hazard Statements (GHS-US) : -H227 - Combustible liquid.  
H315 - Causes skin irritation.  
H319 - Causes serious eye irritation.  
H335 - May cause respiratory irritation.

**Precautionary Statements (GHS-US)** : -P210 - Keep away from extremely high or low temperatures, ignition sources, and incompatible materials. - No smoking.  
P261 - Avoid breathing vapors, mist, or spray.  
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.  
P271 - Use only outdoors or in a well-ventilated area.  
P280 - Wear protective gloves, protective clothing, and eye protection.  
P302+P352 - If on skin: Wash with plenty of water.  
P304+P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Precautionary  
Statements







# Emergency information

What if I'm exposed?

## SECTION 4: FIRST AID MEASURES

### Description of First Aid Measures

**General:** Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible). -

**Inhalation:** If inhaled, remove to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice. -

**Skin Contact:** Remove contaminated clothing. Gently wash with plenty of soap and water followed by rinsing with water for at least 15 minutes. Call a POISON CENTER or doctor/physician if you feel unwell. Wash contaminated clothing before reuse. -

**Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. - Obtain medical attention. -

**Ingestion:** Rinse mouth. Do not induce vomiting. Immediately call a POISON CENTER or doctor/physician. -

### Most Important Symptoms and Effects Both Acute and Delayed

**General:** Irritation to eyes, skin and respiratory tract. -

**Inhalation:** May cause respiratory irritation. -

**Skin Contact:** Causes skin irritation. -

**Eye Contact:** Causes serious eye irritation. -

**Ingestion:** Ingestion is likely to be harmful or have adverse effects. -

**Chronic Symptoms:** Bonds skin and eyes in seconds. -

### Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container or label at hand.

Symptoms

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Procedures

**General Measures:** Do not get in eyes, on skin, or on clothing. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.

#### For Non-Emergency Personnel

**Protective Equipment:** Use appropriate personal protection equipment (PPE). -

**Emergency Procedures:** Evacuate unnecessary personnel. -

#### For Emergency Personnel

**Protective Equipment:** Equip cleanup crew with proper protection. -

**Emergency Procedures:** Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, - protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit. -

### Environmental Precautions

Prevent entry to sewers and public waters.

### Methods and Material for Containment and Cleaning Up

**For Containment:** Absorb and/or contain spill with inert material, then place in suitable container. Take up in non-combustible materials.

**Methods for Cleaning Up:** Clean up spills immediately and dispose of waste safely. Use only non-sparking tools.

### Reference to Other Sections

See heading 8, Exposure Controls and Personal Protection. Concerning disposal elimination after cleaning, see item 13.

In case of a spill...





# Task-Specific Training information on the SDS

Safe handling

Storage

## SECTION 7: HANDLING AND STORAGE

### Precautions for Safe Handling

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

### Conditions for Safe Storage, Including Any Incompatibilities

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Store away from heat and incompatible materials. Protect from moisture. -

**Incompatible Materials:** Strong acids, strong bases, strong oxidizers. Water. -

**Storage Temperature:** 5 - 25 °C (41 - 77 °F) -

**Specific End Use(s)** Adhesive for metal, wood, ceramics, leather, paper, most plastics and more. -

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

Engineering controls

PPE

### Exposure Controls

**Appropriate Engineering Controls:** Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide sufficient ventilation to keep vapors below permissible exposure limit. Ensure all national/local regulations are observed.

**Personal Protective Equipment:** Protective clothing. Safety glasses. Gloves. Insufficient ventilation: wear respiratory protection.



**Materials for Protective Clothing:** Chemically resistant materials and fabrics. Wear fire/flammable resistant/retardant clothing. -

**Hand Protection:** Wear chemically resistant protective gloves. -

**Eye Protection:** Chemical goggles or safety glasses. -

**Skin and Body Protection:** Wear suitable protective clothing. -

**Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. -

**Other Information:** When using, do not eat, drink or smoke. -





## Quick Check

- True or False: An N-95 respirator or procedural mask will protect you from chemical hazards
  - FALSE: This mask is only intended for biological hazards and will do little to protect from most chemical hazards



[www.cardinalhealth.com/](http://www.cardinalhealth.com/)





# Written Program

- Where is your written HAZCOM Program?
  - The location is specific to your shop, make sure to ask if you don't know
- What is required to be in a Written Program?
  - How your office will meet requirements for SDSs, training, and labeling
  - List of hazardous materials using "Product Identifier"
  - Methods for informing employees of hazards of non-routine tasks and unlabeled pipes
  - Multi-employer worksites – how kept informed of the hazards





# Can you repeat those last few things?

- Exactly what is a non-routine task?
  - Clorox hydrogen peroxide wipes vs. Gorilla glue
  - One you use hourly, the other, every six months
- Unlabeled pipes?
  - What is in them?
- Multi-employer worksites
  - How kept informed of the hazards







# OSHA is FUN! What Can I Take Back to my workplace?

- Understand the chemicals THEY work with
  - Nature of hazard (can be categories of hazards)
  - How to detect the presence of a chemical
  - How to protect themselves
- Where do I get this information???
  - Individual training using SDSs and labels
  - JSAs/SMIS
  - Safety, Industrial Hygiene, or CASHE audits, where applicable





## Quick Check

# Name a few things you're going to bring back to your section

- How do you find an SDS?
- What are the hazards of chemicals in your workplace?
- Where is your workplace chemical inventory?
- Where is our HAZCOM written program?
- Who is responsible for maintaining all this stuff?





# Hungry for More Information?

- Some resources for information
  - BLM Handbook 1112-1
  - Your supervisor or CDSO
  - [www.osha.gov/hazcom](http://www.osha.gov/hazcom)

