

HAZARD COMMUNICATION

And The Globally Harmonized System



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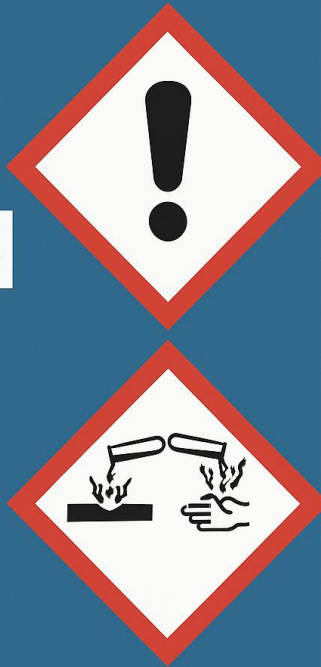
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WELCOME TO TODAY'S TRAINING!

HAZARD COMMUNICATION

Your Safety,
Your Responsibility



As field service technicians, you are the first line of defense for your own safety.

There are hazards that you must be aware of to protective yourself from injury.

Our mission is to provide you the tools necessary to return home in the same condition you arrived to work.

By the end of this lesson, you'll know how to spot hazards, read warning labels, and take the right action to stay safe on the job and get home unharmed.

LEARNING OBJECTIVES

By the end of this training session, you will be able to:

HAZARDS

Identify key chemical hazards related to unit servicing.



GHS LABELS

Read and understand GHS labels and pictograms.



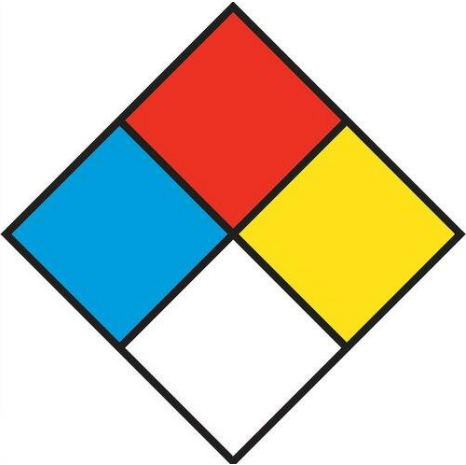
SAFETY DATA

Use Safety Data Sheets (SDS) to protect yourself.



HAZCOM

Apply HazCom steps while mixing, applying, and storing chemicals.



USS USES SATELLITE CLEANING PRODUCTS

Today's training today will focus on the following chemicals.

CHEMICAL HAZARDS

Descaler



Degreaser



Chem Pak



Deodorizer



Graffiti Remover



CHEMICAL HAZARDS

QUESTION 1

What is the Globally Harmonized System (GHS)?

A global way to label and classify chemicals

QUESTION 2

The United Nations developed and maintains the GHS

To standardize chemical hazard classification and communication worldwide.

QUESTION 3

The GHS is comprised of:

Hazard classification, labels, and Safety Data Sheets (SDS)

READING A LABEL

HOW TO READ A LABEL

Product name:

Oven Cleaner

Hazards:



DANGER

Causes severe burns to skin and eyes.

Precautionary measures:










Precautionary measures:

- Wear protective gloves and eye protection.
- Do not breathe vapors.
- Wash hands thoroughly after handling.

PICTOGRAMS

Pictograms are symbols that visually represent different types of hazards.

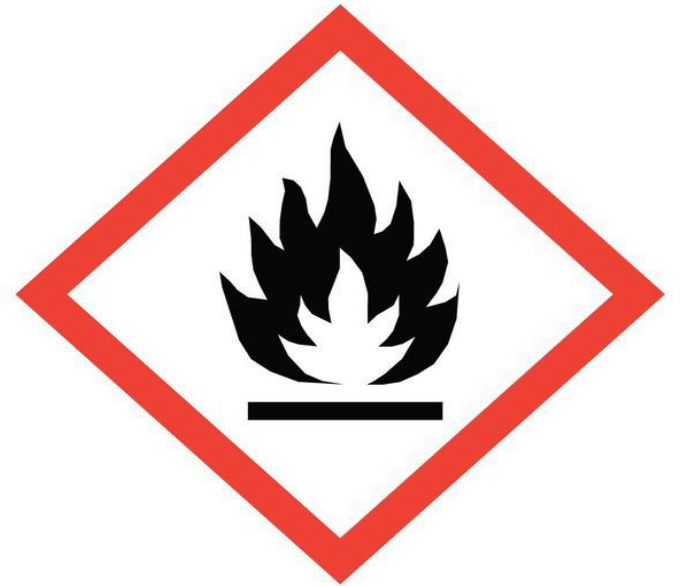
Let's look at the products symbol that we use at USS.

	Exploding bomb <i>(for explosion or reactivity hazards)</i>		Flame <i>(for fire hazards)</i>		Flame over circle <i>(for oxidizing hazards)</i>
	Gas cylinder <i>(for gases under pressure)</i>		Corrosion <i>(for corrosive damage to metals as well as skin, eyes)</i>		Skull and crossbones <i>(can cause death or toxicity with short exposure to small amounts)</i>
	Health hazard <i>(may cause or suspected of causing serious health effects)</i>		Exclamation mark <i>(may cause less serious health effects or damage the ozone layer*)</i>		Environment* <i>(may cause damage to the aquatic environment)</i>

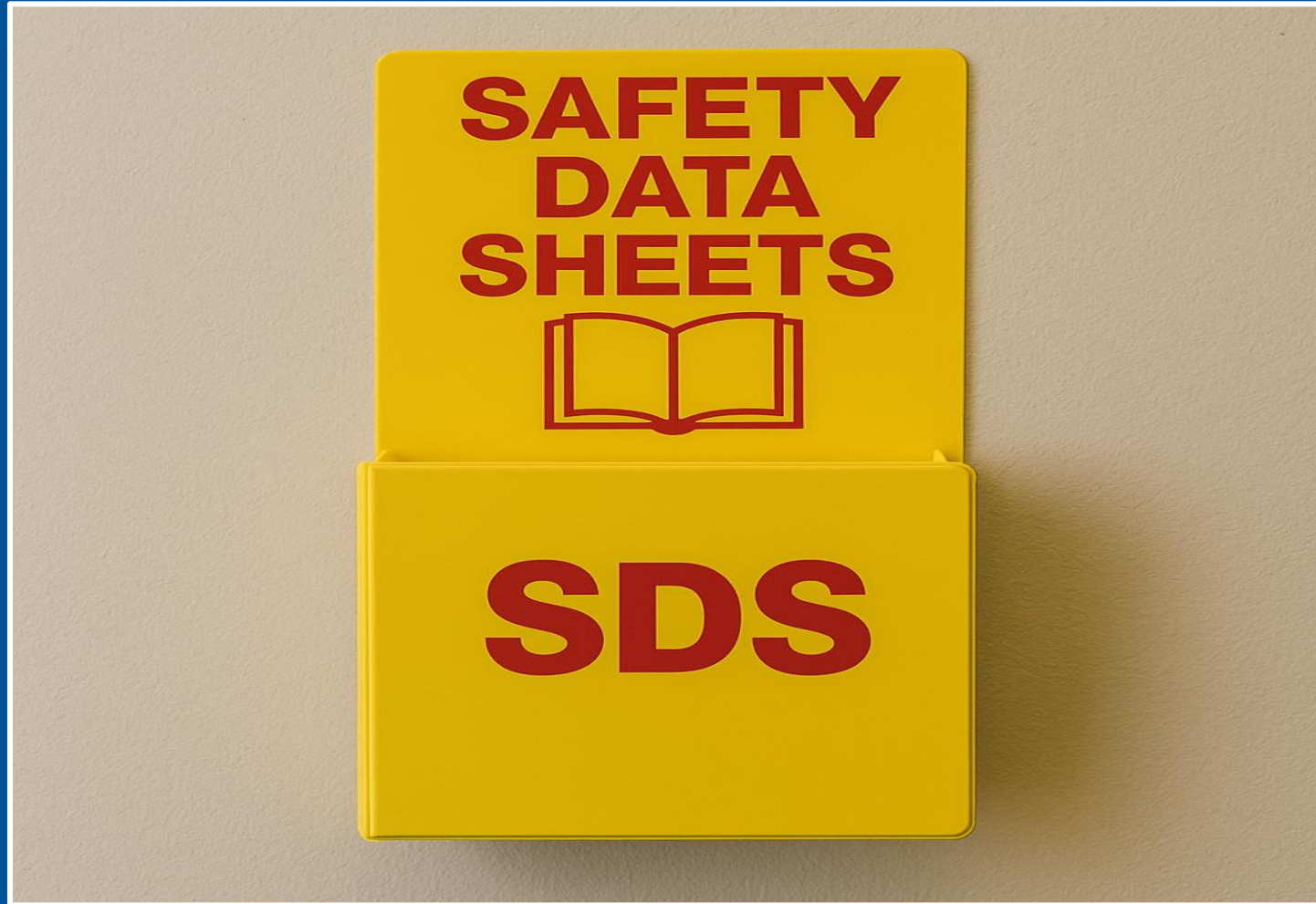
LET'S REVIEW!

**Which pictogram would you find
on a flammable deodorizer?**

The Flame Pictogram



SAFETY DATA SHEETS



Found on Safety Wall



SAFETY DATA SHEETS

What is a Safety Data Sheet (SDS)?

A document with 16 sections, simplified for workers

The purpose of an SDS

To provide detailed safety and handling information for chemicals.

The key section for service technicians:

Hazards. First Aid. Handling/Storage. PPE.

SAFETY DATA SHEETS

Key Sections of SDS:

Hazards: Section 2 – Hazard Identification

First Aid: Section 4 – First-Aid Measures

**Handling & Storage: Section 7 – Handling and
Storage PPE (Personal Protective Equipment)**

**Section 8 – Exposure Controls/Personal
Protection**

LET'S REVIEW!

In this situation, a fellow employee spills Blue Chem Pak on her skin, what should you do first?

1

Assess the scene.

2

Check SDS section 4 for
1st Aid instructions

3

Provide 1st Aid

4

Report Incident to OS &
Safety Rep.



HAZCOM ON THE JOB

The following are safe handling instructions service technicians must understand:

Before Work

Check labels and PPE (gloves, goggles).



During Work

Never mix chemicals unless instructed; follow dilution ratios.



After Work

Secure lids, store chemicals away from heat or sunlight.



HAZCOM ON THE JOB

Immediately separate the flammable and corrosive chemicals and store them in their designated, compatible storage areas. If you are unsure about proper storage, **refer to the SDS for both chemicals and notify your supervisor.**

Never leave incompatible chemicals stored together, as this could lead to dangerous reactions, fires, or toxic fumes.

When moving chemicals with a forklift, pay special attention after to identify if a puncture occurred.

Scenario:

If you're in the yard and see two chemicals stored together—one is flammable and one is corrosive—what should you do?



HAZCOM ON THE JOB



Group Discussion:

Think of a time you had a close call with chemicals... what would you do differently now?

Dealing with Chemical spills keep your head on a swivel. Assess for downstream, and downwind impacts. Keep yourself safe.

LET'S REVIEW!

What does a flame pictogram mean?

Flammable or easily ignited material.

Where do you find first aid info for a chemical?

Section 4 of the SDS.

Why is it dangerous to mix two unknown chemicals in your truck?

They can react, causing toxic fumes, fire, or explosions.

COURSE RECAP

By completing this training, you are now able to:

HAZARDS

Identify key chemical hazards related to unit servicing.



GHS LABELS

Read and understand GHS labels and pictograms.



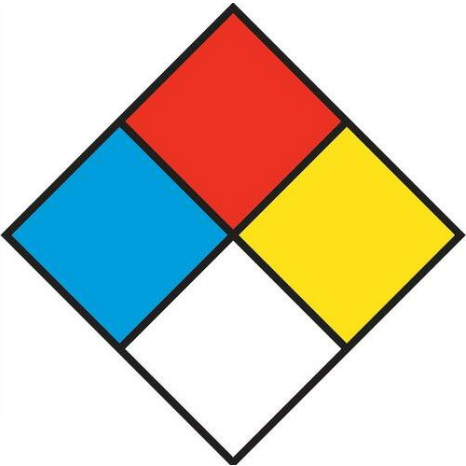
SAFETY DATA

Use Safety Data Sheets (SDS) to protect yourself.



HAZCOM

Apply HazCom steps while mixing, applying, and storing chemicals.



REFERENCES

- **OSHA Hazard Communication Standard – 29 CFR 1910.1200**

- **1910.1200(h)(1):** Employers must provide employees with effective information and training on hazardous chemicals in their work area at the time of initial assignment and whenever a new chemical hazard is introduced.

- Includes training on **labeling, Safety Data Sheets (SDS), and protective measures.**

- **HAZWOPER – 29 CFR 1910.120**

- **1910.120(e):** Requires detailed hazard communication and training for employees involved in hazardous waste operations, spills, or cleanup activities.

- **EPA Resource Conservation and Recovery Act (RCRA)**

- Requires training for employees managing hazardous waste, ensuring they understand labeling, storage, and emergency procedures.

- **Globally Harmonized System of Classification and Labeling of Chemicals (GHS)**

- Incorporated into OSHA's HazCom standard, mandating employee understanding of pictograms, hazard statements, and SDS sections.

- **State-Specific OSHA Plans**

- Many states (e.g., Cal/OSHA) have additional or stricter HazCom training requirements.

THANK YOU

Every Service Counts – please continue your training in the subsequent modules for your role!

