

# Rutherford County Government



Hazard Communication Training Program "Right-to-Know" Program







Under this program, the goal is.....

- To educate employees on how to know recognize potential hazards within their workplace
- To help reduce the risks involved in working with hazardous materials
- Safe handling procedures
- Learning what measures to take for protection from these chemicals
- Employees in ALL work areas should become familiar with this OSHA Standard



#### Introduction

- About 32 million employees work with and are potentially exposed to one or more chemical hazards
- Approximately 650,000 chemical products exist
- Hundreds of new ones are being introduced annually
- Some chemicals may pose safety hazards and have the potential to cause fires, explosions and other serious accidents



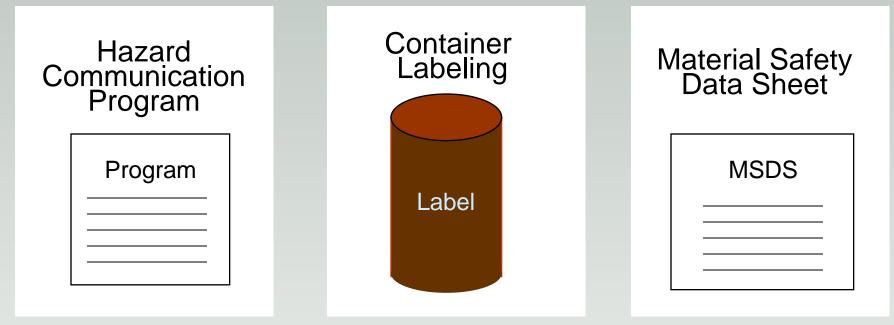
#### How does this apply to You...

- OSHA recommends that <u>everyone</u> know how to find the proper information to protect themselves
- If in an office setting or otherwise, you might think Hazard Communication would not apply to you...however, you could always find yourself in a situation and not realize it...
- <u>For Example</u>: If you were using a cleaning agent for your desk or office you need to know how to read the label prior to using the cleaning agent. Or on the other hand, recognize not to use something that could be mixed improperly or does not have a label on it.
- And, in case of an exposure or accident, you need to know how to react in an emergency situation



#### OSHA's Hazard Communication Standard

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 is reduced.







- **Hazard** An exposure associated with an unacceptable risk for illness or disease
- Material- A chemical or mixture of chemicals, including raw materials, process additives, products, by-products, waste materials, maintenance related materials, and laboratory chemicals
- Material Safety Data Sheets (MSDS)- A document addressing the Risk Management aspects of a material.



#### **Department Responsibilities**

- List hazardous chemicals within your location
- Obtain MSDS Sheets and labels for each hazardous chemical...provided by the manufacturer, importer or distributor
- Communicate hazard information to employees and new hires in your departments through labels, MSDS sheets and formal training



#### So How Can Hazards Be Reduced?

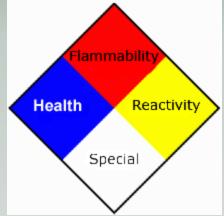
- The *first* step is to perform a thorough hazard assessment or materials inventory list
  - -Making a list of all the hazardous chemicals within your department
- We as the Employer can rely on the evaluations performed by manufacturers or importers to establish the hazards of the chemicals they produce
  - This information can be found from MSDS sheets and labels



#### How Must Chemicals Be Labeled?

Each department shall *verify* that all containers of hazardous chemicals entering the workplace or received for use will include the following information from the manufacturer:

- Clearly labeled as to the contents of the chemical
- Notes appropriate hazard warnings
- Lists the name and address of the responsible party





#### **Container Labeling**

The Hazard Warning can be any of the following that provides information on the hazards of the chemicals and the targeted organs affected, if applicable:

- Any type of message
- Picture
- Symbol

Chemical Name	
HEALTH	0
FLAMMABILITY	0
PHYSICAL HAZARD	0
PERSONAL PROTECTION	0



### What is a Material Safety Data Sheet (MSDS)?

Documentation (Your Right To Know) prepared & given by the chemical manufacturer or importer that describes the following:

- What chemicals are in the product.
- Maximum time you can legally be exposed to the chemical.
- Is the product a fire or explosion hazard?
- How it enters/harms your body?
- How it affects your Health Short and Long Term.
- What Personal Protection Equipment needs to be used.
- How do you handle the product safely?
- Hazards when product is combined with other chemicals?
- In the event of a spill or release, what should be done.



#### Important MSDS Details

- Must be convenient & readily accessible to all employees during their work shift and in each work area
- MSDS sheets have no prescribed format
- Must be in English and include information regarding the specific chemical identity and common names
- If not on containers, you must call the manufacturers to get the full description of the chemicals with which you are working
- Do Not use the chemical until you know what you are working with first!



#### Sample MSDS

	s-Corning Fiberglos Co relas Tower	orp.			(157); (419)-248-8234	£:
	do, Dhio 43659				After 5:00 PH (EST);	(419)-248-533
PEODUCT DIVISION:	Trumbuli Asphelt Divis	sion			INFORMATION FHONE: (EST): (700)-594-6977	
DATE PREPARED: SUPERSIDES MODE DAT	February 28, 199 1ED: April 4, 1986	91				
chemicals						
the product?		SECTIO	N I - COM	PONENT DATE		
HAZARDOUS INCREDIES						
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			1000		(asphalt funes)	Ceiling Lim
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#### Sample MSDS-Continued

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building ventilation and local exhaust. (See I property perfections: if irritation occurs or Howy do you st, mists and funes.	listion and avoid fumes by working upwind. Indoor use - ensure adequate
How do you st, nists and funes.	Respiratory Protection below and Section VII on dangers of hydrogen sulfide.)
andle the action progres and the	if the TLV for asphalt funes is exceeded, use a NIOSM/MSMA approved air. . In situations where the concentration of $H_2S$ exceeds the PEL or TLV, supply paratus are required. Always use respiratory protection in accordance with your regulations under 29 CFR 1910.134.
broduct safely? At safety propies or	a face shield when material is in liquid form.
	d long pants. Leather or lined neoprene coated gloves should be used when the use the potential for skin discoloration with chronic exposure.
should have tight-fitting lids and be used in a safety practices. These include avoiding any o	ated at the lowest possible temperature that allows proper application. Kett well wentilated areas. Handle in accordance with good industrial hypigne and unnecessary exposure and removal of the material from the skin, eyes, and swer after exposure. Wosh work clothes when soiled. Safety showers and eye
SEC	TION VI - REACTIVITY DATA
Is there a <u>NCTS:</u> Carbon mononi danger when hydrogen sulfide ge	liow hot, molten asphalt to contect water as this may cause violent eruptions with strong exidizers. ide, carbon diexide, sulfur exides, hydrogen sulfide, and various hydrocarbon as may be released. (See Section VII.)
Is there a danger when bydrogen sulfide ge the product dill not eccur. combines with other	with strong exidizers. Ide, carbon diexide, sulfur exides, hydrogen sulfide, end various hydrocarbon.
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#### You Should KNOW....

- Where the County keeps its written Hazard Communication Program - (Risk Management Dept.)
- 2. What chemicals you work with in your Department (given by department)
- 3. Where the MSDS sheets are located in your department
- 4. Every container must have a label
- 5. What chemicals are in each container you work with in your department



#### You Should KNOW.... Continued

- 6. What personal protective equipment to wear when using a chemical (found on MSDS sheet)
- 7. Information to protect yourself from all chemicals (even common ones such as rubbing alcohol and bleach)
- 8. How to check the MSDS sheet for cleaning up a particular spill
- 9. First aid procedures for the chemicals in your area if an accident occurs (found on MSDS sheet)
- 10. How to properly store the chemicals with which you work



## **Safety Training Contact**

For answers to questions, interactive discussion or other information related to *HazCom*, please Contact:

#### Tim Street

#### Training & Development Specialist 898-7715 tstreet@rutherfordcounty.org