

**WELCOME!**

*“Hazard Communication, Global Harmonization and Chemical Management Strategies”*

Presented by:

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MAXCOM Services Division*

&

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Haas Group International  
MAXCOM Services Division*

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*What comes to mind when you hear the word*

**OSHA??!!**

- FEAR?
- ANGER?
- CONFUSION?
- FRUSTRATION?
- ALL OF THE ABOVE?

**You are not alone!**

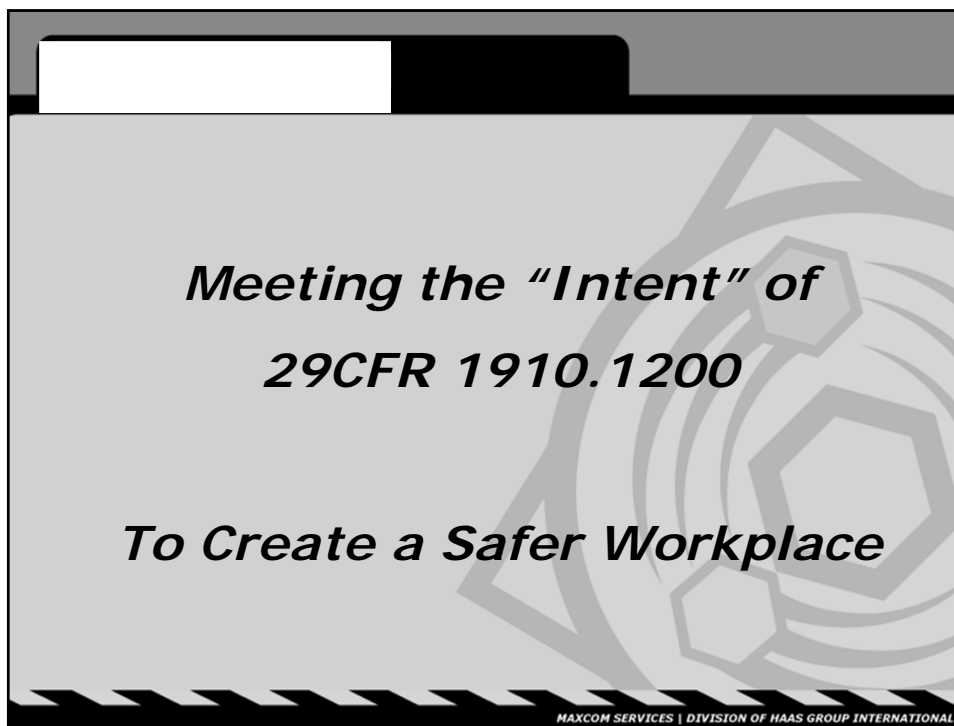
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*Which is really more important?  
Being in compliance?  
Or creating a safer workplace?  
The letter of the law?  
Or the Spirit of the law?*

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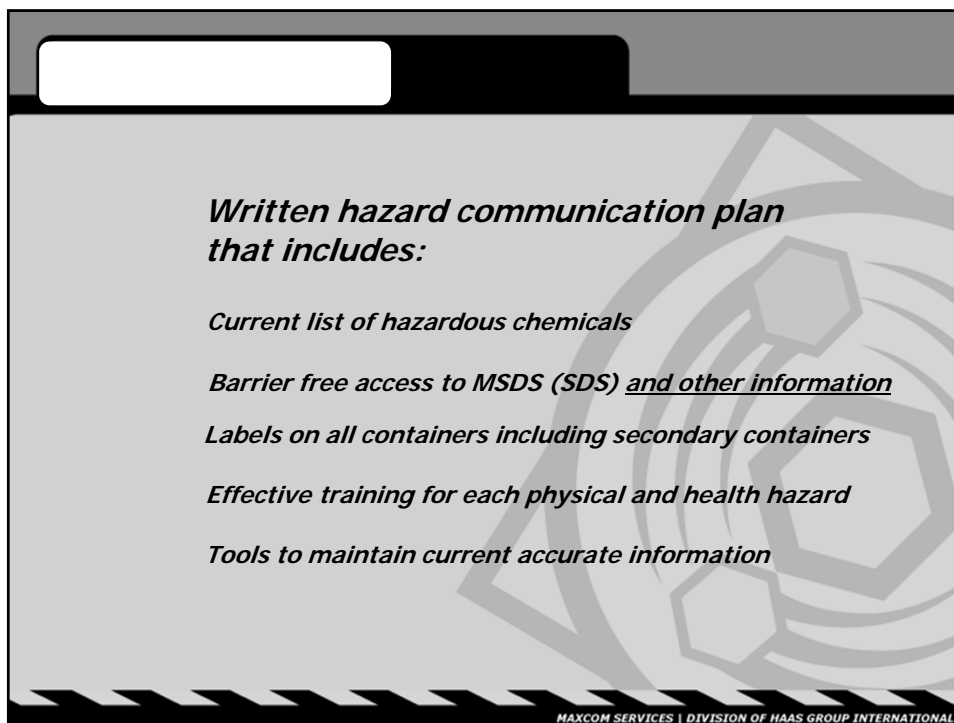
*Assuming you are in  
compliance with the  
letter of the law, the  
question becomes . . . .  
Are you feeling safer??*

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***Meeting the “Intent” of  
29CFR 1910.1200  
To Create a Safer Workplace***

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***Written hazard communication plan  
that includes:***

- Current list of hazardous chemicals*
- Barrier free access to MSDS (SDS) and other information*
- Labels on all containers including secondary containers*
- Effective training for each physical and health hazard*
- Tools to maintain current accurate information*

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Are You


Status	Common Name/Trade Name	Chemical Names	Manufacturer's Name and Address	OHS Number
A	#775 Epoxy Part A	epichlorohydrin bisphenol A resin, epichlorohydrin-polyglycol resin	The R. C. Mussen Rubber Co., Akron, OH 44306	
A	#775 Epoxy Part B	polyamide resin	The R. C. Mussen Rubber Co., Akron, OH 44306	
A	#8 Spray Cleaner	2-aminoethanol, 1-methoxy-2-propanol, tetrasodium ethylenediaminetetraacetate	Essential Industries, Inc., Marton, WI 53056	
A	1st AYD #157 Good Stuff	N/E, carcinogens none suspected, TSCA, all components listed	1st AYD Corp., Elgin, IL 60123	
A	1st AYD #175.8 High Temp Silicone Brake/Caliper Lube & Ceramic Degreaser	polydimethylsiloxane, proprietary additives	1st AYD Corp., Elgin, IL 60123	
A	1st AYD #17A Flammable Brake & Metal Parts Cleaner	heptane, 2-propanol, isopropyl alcohol, carbon dioxide	1st AYD Corp., Elgin, IL 60123	
A	1st AYD #78 Super Rust Penetrant	propane-isobutane-n-butane, odorless mineral spirits, petroleum lube oil, hydrogenated hydrocarbon, propylene glycol monopropyl ether, ethylene glycol monopropyl ether, sodium petroleum sulfonate, stoddard solvent	1st AYD Corp., Elgin, IL 60123	
A	1st AYD #80 Penetrating Gel Lube	n-hexane, propane-isobutane-n-butane, petroleum, aliphatic hydrocarbons mixture, paraffinic, petroleum distillate, ethylene-propylene copolymer	1st AYD Corp., Elgin, IL 60123	
A	1st AYD #85 Engine Degreaser	kerosene, propane-isobutane-n-butane, dispersant	1st AYD Corp., Elgin, IL 60123	
A	1st AYD #90A4 in 1 Spray Silicone Free	mineral spirits, petroleum oil, paraffinic oil, 2-butoxyethanol, glycol ether eb, propane	1st AYD Corp., Elgin, IL 60123	
A	1st AYD #52 Battery Protector	acetone, toluene, petroleum distillate, VMSP naphtha, 2-butoxyethanol, glycol ether eb, propane, butane	1st AYD Corp., Elgin, IL 60123	
A	1st AYD #93 Battery Terminal Cleaner	deionized water, isobutane, sodium bicarbonate, triethanolamine	1st AYD Corp., Elgin, IL 60123	
A	1st AYD #95 Spray Silicone	petroleum distillate, hexane, propane, butane	1st AYD Corp., Elgin, IL 60123	

How Abc

***Technical and confusing to most employees***

Sec  
Con

Seen any of these at your facility?



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Introducing GHS

UN Mandate adopted in 1992  
First version adopted 2002  
Final Version adopted 2007



request new chemical >  
fax on demand >  
EMERGENCY PLANS

select location: mds on the web | e-mail tech support | help | log out

CHEMICAL LIST

ENTER CHEMICAL search EHS snapshot export 1 FIRST LAST

**Alki-Foam**  
Sodium Hydroxide, Solution, 8, UN1824,  
II Gunk Remover  
WARNING May be corrosive to metals

**TARGET ORGANS**  
Cutaneous Hazard, Eyes, Lungs Respiratory System, Other

**ROUTES OF ENTRY**  
Eyes, Ingestion, Inhalation, Skin Contact

**PPE**  
Eye/Face | Eye wash as needed for protection against spills and/or splashes.  
Respirator | Other | Wear chemical impervious gloves and full face shields. Use boots, aprons, drench showers.

**ADDITIONAL HAZARDS**  
Moderately corrosive, highly toxic, toxic decomposition products

**PRECAUTION STATEMENTS**  
**IF INHALED**  
Specific measures (see ... on this label). Handle under inert gas. Specific treatment (see ... on this label). Ground/bond container and receiving equipment.

**SUPPLIER IDENTIFICATION**  
Virginia KHP Corporation  
4100 Patterson Way Dallas, TX 75237  
(214) 392-7733

**PART NUMBERS**  
AKF1, AKF5, AKF35EPILL NOTES

**TRANSPORTATION INFO (DOT)**

safe-use-guide 134 MSDS LABELS DETAILS STORAGE COMPATIBILITY

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## OSHA Proposed Rule Change

*“OSHA is proposing to modify its existing Hazard Communication Standard (HCS) to conform with the United Nations (UN) Globally Harmonized System of Classification and Labeling of Chemicals (GHS)”*

*The proposed modifications to the standard include revised criteria for classification of chemical hazards; revised labeling provisions that include requirements for use of standardized signal words, pictograms, hazard statements, and precautionary statements; a specified format for safety data sheets; and related revisions to definitions of terms used in the standard, requirements for employee training on labels and safety data sheets.”*

[http://www.osha.gov/pls/oshaweb/owadisp.show\\_document?p\\_table=FEDERAL\\_REGISTER&p\\_ID=21110](http://www.osha.gov/pls/oshaweb/owadisp.show_document?p_table=FEDERAL_REGISTER&p_ID=21110)

Federal Register: September 30, 2009 (Volume 74, Number 188)

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## GHS Building Blocks



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**Written hazard communication plan that includes:**

- Current list of hazardous chemicals*
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Lab 104 - Chemical Summary.png - Windows Picture and Fax Viewer

Current Location: Lab 104

**Chemical Summary**

Signal Word: **DANGER**

Chemical Classification: **Flammable Solid**

**HAZARD STATEMENTS**

Flammable solid

**PRECAUTIONARY STATEMENTS**

Isolate spill/release area for at least 25 meters

**ADDITIONAL HAZARDS**

Irritant - Solid - Toxic Decomposition Product

**ROUTES OF ENTRY**

Eyes, Ingestion, Inhalation, Skin Contact

**TARGET ORGANS**

Cutaneous Hazard - Eyes, Lung Respiratory System

**Flammability**

- 4 flash point < 73°F
- 3 flash point < 100°F
- 2 flash point < 200°F
- 1 flash point ≥ 200°F
- 0 no flash point

Additional Documents

Synonyms

Location Assignments


- Lab 104 - East Wing

Group Assignments

Low & Plant Core Products

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Formatted SDS  
(May Increase in Size)



*Still Technical and Confusing  
to Most Employees*

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THE RIGHT CONCEPT  
THE RIGHT TOOL

Safe-Use-Guides  
to Simplify  
Technical  
Information

**Skin Corrosive**  
CATEGORY 1A TO 1C

toxic  
flammable  
water-reactive

NUMBER  
**149**

PRIMARY HAZARD	SECONDARY HAZARD	TERTIARY HAZARD
H314 causes severe skin burns and eye damage	H301 Toxic if swallowed H331 Toxic if inhaled	H226 Flammable Liquid and vapor H228 Flammable solid

**GENERAL SAFETY**

**DON'T**

- P260 Do not breathe dust|fume|gas|mist|vapors|spray.
- P262 Do not get in eyes, on skin, or on clothing.
- P270 Do not eat, drink, or smoke when using this product.
- P271 Use only outdoors or in a well-ventilated area

**DO**

- P264 Wash thoroughly after handling.
- P280 Wear protective gloves|protective clothing|eye protection|face protection.
- P261 Avoid breathing dust|fume|gas|mist|vapors|spray.

**FIRE RESPONSE**

**DON'T**

- Do not scatter the material
- Do not allow water to enter containers

**DO**

- Use dry chemical, carbon dioxide, water spray or alcohol resistant foam.
- Unmanned hose holders or monitor nozzles from maximum distance (if can be done safely).
- Dike fire control water for proper disposal.

**SPILL RESPONSE**

**DON'T**

- Do not touch damaged containers or spilled material without appropriate PPE.
- Do not get water inside containers.
- Eliminate all sources of ignition
- Prevent entry into waterways, sewers, or confined spaces.

**DO**

- Stop leak, if possible without risk.
- Prevent entry of vapors into ventilation system and confined spaces.
- Cover with dry earth, dry sand or other non-combustibles and cover with plastic sheet.

**FIRST AID**

**DON'T**


- Do not use mouth-to-mouth method if victim ingested or inhaled the product.
- P301+P330+P331 **IF SWALLOWED:** Rinse mouth. Do NOT induce vomiting
- P303+P361+P353 **IF ON SKIN OR HAIR:** Remove|Take off immediately all contaminated clothing. Rinse skin with water|shower.
- P305+P351+338 **IF IN EYES:** Rinse cautiously with water for several minutes.

**DO**

- are protected.

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3M Heavy Duty Aircraft Cleaner Concentrate (Product)
SUG: 1




**DANGER**  
Highly flammable liquid and vapour  
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Remove contact lenses, if present

Additional Hazards: Irritant, Light Sensitive, Liquid, Sensitizer, Slightly Toxic, Toxic Brain CNS PNS, Cutaneous Hazard, Eyes, Kidneys, Liver, Lungs Respiratory System, Other, Reproductive  
Eyes, Ingestion, Inhalation, Skin Contact

PPE: Eye/Face-Avoid eye contact. NOTE: When used as directed and diluted and dispensed with a TWIST 'n FILL(TM) Chemical Dispenser, eye contact with the concentrate is not expected to occur. If the product is not used with the Twist 'n Fill system or if there is an accidental release, the following eye protection is recommended: Indirect Vented Goggles. Resp-Avoid breathing of vapors, mists or spray. NOTE: When

3M 3M Center St. Paul 55144-1000 (612) 733-1110



IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Remove contact lenses, if present

Additional Hazards: Irritant, Light Sensitive, Liquid, Sensitizer, Slightly Toxic, Toxic Brain CNS PNS, Cutaneous Hazard, Eyes, Kidneys, Liver, Lungs Respiratory System, Other, Reproductive  
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**Secondary Container labels should include:**  
Signal Word  
GHS Hazard Class  
Hazard Statements  
Pictograms

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**C. Employee Information and Training 29CFR 1910.1200**  
 "Where there are large numbers of chemicals, or the chemicals change frequently, you will probably want to train generally based on the hazard categories (e.g., flammable liquids, corrosive materials, carcinogens)".

**Hazards By Location**  
At ALL

Hazard Category	Hazard Category Description	Training Modules
1 (1)	Flammable or Combustible Liquids	# 2 #
2	Highly Flammable Gases	# 5 #
9	Non-Flammable Gases (Compressed, Liquefied or Cryogenic)	# 4 #
10	General Use Chemicals/Articles	# 1 #
12	Poisonous, Corrosive & Oxidizing Gases (Compressed, Liquefied or Cryogenic)	# 9 #
27	Poisonous and/or Corrosive Substances (Combustible)	# 7 #
28	Poisonous and / or Corrosive Substances (Non-Combustible)	# 7 #

**MAXCOM/GHS features training modules for each category or class [of chemical] that an employee may be exposed to in their immediate work area.**

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For more information contact us

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406-254-2004

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