

Humanix deeply values its employees and their safety while working at a Humanix client site. Our goal is to manage our business so that the employees are protected from harm and gain personal satisfaction from their work. No operation or administration phase is more important than preventing industrial injuries and illnesses.

Our policy is to maintain a healthful environment and safe working conditions for all employees, provide high-quality safety education and training, and promote a genuine interest in safety among all personnel. Our company will comply with all applicable safety and health laws, codes, and standards and expects employees at all levels of the organization to cooperate with this effort – for their own benefit and the safety of their co-workers. The company provides safety equipment for certain job tasks that, when worn and used correctly, will help prevent incidents.

Humanix has a Return-to-Work program that will provide eligible employees with light or modified duty work when a certified work-related medical condition limits their abilities to perform their job duties at full capacity.

## **SAFETY RULES**

Humanix is committed to the safety and security of its employees, operations, property, and the public. Willful disregard of any safety rules will result in disciplinary action up to and including termination of employment.

Should a hazardous situation or condition exist, and a decision must be made on safety or production, safety concerns always take precedence over production.

It is the responsibility of our client supervisor to see that every Humanix employee is provided with safe working conditions, observes all safety regulations, and takes proactive action to protect themselves and others. Periodic inspections of working conditions will be performed. If unsafe conditions are found, work activity will be suspended until the unsafe conditions are corrected.

Each employee is expected to:

- Report any dangerous conditions and practices to client supervisor and to the Humanix office.
- Report any injury within a reasonable time, however minor, to the client supervisor and to the Humanix office.
- Inform client supervisor if defective materials or tools are present so they can be removed.
- Wear provided safety glasses and hearing protection while in required areas.
- Wear and care for required personal protective equipment (PPE) while in assigned areas.
- Wear clothes suited for the job.
- Practice good housekeeping. Keep work areas clean and free from trip hazards, grease, etc.
- Ensure your actions do not endanger others or damage company or personal property.
- Always keep machine guards and protective devices in place.
- Use tools only for their intended purposes. Do not use broken or dangerously dull tools; bring them to client supervisor.
- Do not attempt to operate machinery or equipment without permission and instructions.
- Do not repair or adjust machinery while it is in operation. Follow Lock-out/Tag-out safety procedures. Never oil moving parts except on equipment fitted with safeguards for this purpose.
- Do not engage in horseplay, practical jokes, gambling, selling merchandise, solicitation, or general loitering while on company property. This applies any time you are on client premises.

# **RESPONSIBILITIES – HUMANIX/CLIENT SUPERVISOR/ EMPLOYEES**

Safety and health responsibilities involve management and employees working together to create a safe work environment for all.

## **HUMANIX RESPONSIBILITIES**

Humanix's responsibility is to ensure a safe and healthy working environment for its employees. Humanix will:

- Actively display interest in safety and health matters at every opportunity.
- Promote a company-wide safety mindset with all Humanix clients.
- Establish realistic injury/incident reduction goals and enforce steps to meet those goals. Routinely analyze incident statistics, costs, and types of incidents occurring.
- Evaluate and monitor channels of communication (meetings, training, safety committee, employee involvement, etc.) on safety issues to ensure program effectiveness.
- Improve strict guidelines on the reporting, recording, and appropriate investigation procedures of all workplace incidents, including follow-up and corrective action(s).
- Ensure employees have ongoing opportunities to represent their interests in all matters relating to health and safety.
- Ensure that all likely emergency/readiness procedures are effective with any operation.
- Ensure that on-site contracting work will not disrupt normal work patterns or create workplace hazards.
- Assess and prioritize significant hazards and develop and implement action plans to eliminate or control them.
- Ensure that each work area receives a written hazardous assessment.
- Ensure that personal protective equipment (PPE) requirements (based upon hazard assessments for each task) are met.
- Enforce effective guidelines on exposure and safe handling and transporting of dangerous/hazardous substances.
- Ensure the company's record-keeping system (OSHA 300/301) for occupational injuries and illnesses is complete.

## **CLIENT SUPERVISOR/LEAD RESPONSIBILITIES**

Each client supervisor/lead is primarily responsible for enforcing safety rules and ensuring that the work environment is free from recognized health and safety hazards for Humanix employees they supervise. Specific responsibilities include:

- Ensure each Humanix employee has received a work area-specific orientation before beginning work.
- Ensure that (new and experienced) Humanix employees understand training and that employees are competent in accomplishing each job/task safely and efficiently before starting work.
- Require the proper care, storage, and use of all appropriate PPE.
- Conduct a daily walk-around safety check of the work area. Take prompt action when unsafe acts, practices, conditions, and/or equipment are reported or noted. Develop appropriate controls.

- Receive, act, and follow up on Humanix employee suggestions.
- Set a good example for employees; follow all safety rules.
- Investigate all Humanix employee incidents expeditiously. Report all on-the-job incidents promptly to client management and the Humanix office and request medical treatment, if necessary.
- Assure that all Humanix employees understand the safety and health rules, regulations, policies, and procedures. Review rules and procedures with Humanix employees as the job or conditions change or when workers demonstrate the need for re-training.
- Inform and train all Humanix employees on the hazardous chemicals they may encounter under normal working conditions or during an emergency. (See the Hazard Communication Program).

## **EMPLOYEE RESPONSIBILITIES**

Every employee is responsible for their safety and the safety of those around them. Employees must:

- Follow all client company safety, and health rules, safety standards, and training received. Violation of these rules, safe work practices, and failure to use safety equipment may result in disciplinary actions up to and including termination of employment.
- Promptly report all hazards, near misses, unsafe acts, and unsafe conditions to a client supervisor.
- Promptly report all job-related injuries or illnesses, no matter how minor, to a client supervisor and to the Humanix office.
- Promptly report any witnessed job-related injury to a client supervisor.
- Wear all assigned personal protective equipment (PPE). Inspect it before each use and report any discrepancies/malfunctions to a supervisor. Properly maintain and store equipment when not in use.
- Not remove, bypass, or ignore any equipment safeguards provided.
- Observe all hazard warnings and no smoking signs.
- Locate all safe exits and remember all evacuation procedures.
- Not use, possess, manufacture, sell, distribute, or be under the influence of illegal drugs or alcohol while on client company property while performing client company business in any location or in a client company vehicle.
  - If you are taking prescribed medication, which may impair your job performance, you must report this fact to your client supervisor and a Humanix Account Manager, and obtain their approval, before reporting to work.
- Not wear frayed, torn, or loose clothing, jewelry, or have unrestrained long hair near moving machinery, equipment, or other sources that have the potential to cause harm.
- Ask a client supervisor questions if uncertain about any safety or operating procedure. All employees are encouraged to suggest changes that will improve safe work practices to a client supervisor and/or the Humanix office.

## **EMPLOYEE SAFETY ORIENTATION & TRAINING**

All new or transferred employees will be informed of their and management's responsibilities in this program. Client supervisor must also ensure that Humanix employees have specific knowledge and understand the information and training concerning the management of hazards to which they are exposed through workplace procedures, environment, equipment, and materials.

## **EMPLOYEE SAFETY TRAINING PROCEDURES**

1. Humanix's client will ensure that the immediate supervisor or lead of a new or transferred Humanix employee will conduct a site-specific safety orientation utilizing a company safety orientation checklist. The following items are to be covered:
  - Facility safety rules discussed – including disciplinary action.
  - Tour of the facility.
  - Employee responsibilities reviewed.
  - Documentation of safety orientation – with signatures and document filed at client site.
2. Client supervisor will provide job site safety training if the Humanix employee is doing a new/different job rather than their regular job. Topics covered should include:
  - Safety hazards anticipated in certain projects.
  - Fall Protection/Fall Arrest Program.
  - Proper use, storing, and maintenance of Personal Protective Equipment (PPE).
  - Review/demonstrate correct lifting procedures.
  - Use of Lock-out/Tag-out procedures.
  - Hazardous chemicals in use, the hazards associated with the chemicals, the appropriate means to protect the employee from hazards, and the location of the Safety Data Sheet (SDS) book for further information.

## **RESPIRATORY PROTECTION PROGRAM**

If the job you are doing requires you to wear a respirator, you will need to become part of a respirator protection program that includes fit testing and other safety measures.

## **CONFINED SPACE ENTRY PROGRAM**

Our client's workplace may have confined spaces that due to various chemical and physical properties, may cause death or serious injury to employees who may enter them. This Confined Space Entry Program is developed and established to identify, evaluate, and control such spaces and, more importantly, to detail procedures and responsibilities for entering and working within confined spaces. Adherence to the policies and directives in this program is mandatory for all client supervisors and employees of Humanix. Employees failing to follow this program are subject to disciplinary action and/or dismissal.

## **ENERGY CONTROL PROGRAM (LOCKOUT/TAGOUT)**

All employees engaged in the servicing or maintenance of machinery/equipment in which the unexpected start-up or the release of stored energy could result in harm will be trained and required to follow the prescribed procedures outlined in the Energy Control Program (Lockout /Tagout). When equipment is to be worked on, maintenance personnel will LOCKOUT and TAGOUT all sources of energy associated with that equipment. This is to protect the maintenance worker and anyone nearby. If you see a Lock or Tag... DO NOT TOUCH THE LOCK, TAG, EQUIPMENT OR CONTROLS.

## **EMERGENCY ACTION PLAN**

Our client's Emergency Action Plan (EAP) is designed for specific emergencies and provides structure on how the facility will best prepare and respond to them. The client EAP, along with adequate training and exercise drills, will protect lives, the environment, property and restore client company to normal operations as quickly as possible.

## **FALL RESTRAINT/FALL ARREST PROGRAM**

Employees exposed to fall hazards will have an appropriate fall protection system provided, installed, and implemented.

- **Always:** Fall protection is required when employees could fall into impairment hazards. A standard guardrail or cover must be provided anywhere employees could trip into, step into, or through holes in the work environment. A standard guardrail must also be provided for open-sided floors, walkways, platforms, and runways if they are above or adjacent to dangerous equipment, such as dip tanks, material handling equipment, or other hazardous equipment.
- **4 Feet:** Fall protection is required for walking or working surfaces with unprotected sides or edges, skylights, ladderways, pits, maintenance holes, hatches, chutes, roofs, and other surfaces that pose fall hazards that are not otherwise covered by the state fall protection regulation.
- **10 Feet:** A personal fall arrest system or standard guardrail will be provided on scaffolds with unprotected sides or edges.

## **PROPER LIFTING**

- Size up the load. Use a hand truck if possible and get help if you need it.
- Lift by bringing the load as close to you as possible before lifting. Lift with your legs and not your back.
- Move the load and keep the load close to your body. Look where you are going.
- Get set and lower the load by letting your leg muscles carry it down.

## **LADDER SAFETY**

- Before you use a ladder check it for defects such as loose joints, grease on steps, or missing rubber feet.
- Do not paint your ladder. You may hide a defect.
- Do not use a ladder as a brace, work bench or for any other purpose than climbing.
- Do not carry objects up or down a ladder if it will prevent you from using both hands to climb.
- Always face the ladder when climbing up or down.
- If you must place a ladder at a doorway, barricade the door to prevent its use and post a sign.
- Do not stand on the top step of a step ladder.
- Only one person is allowed on a ladder at a time.
- Always keep both feet on the ladder runs except while climbing. Do not step sideways from an unsecured ladder onto another object.
- If you use a ladder to get to a roof or platform, the ladder must extend at least 3 feet above the landing and be secured at the top and bottom.
- Do not lean a step ladder against a wall and use it as a single ladder. Always unfold the ladder and lock the spreaders.
- Set a single or extension ladder with the base  $\frac{1}{4}$  of the working ladder length away from the support.

## **ELECTRICAL SAFETY**

Only qualified maintenance personnel are authorized to do any work on any electrical equipment. Do not touch electrical equipment or attempt repairs. If you see a potential electrical hazard, inform the client supervisor immediately.

- Ground type cord sets may only be used with ground type receptacles when used with equipment requiring a ground type conductor.
- Attachment plugs and receptacles may not be altered or connected in a way that would prevent the proper continuity of the equipment grounding conductor.
- Only electrical equipment that is double insulated or designed for use in areas that are wet or likely to contact conductive liquids, may be used.
- Do not touch electrical equipment with wet hands! PPE must be used when handling electrical equipment that is wet or covered with a conductive liquid.
- Locking-type connectors shall be properly secured after connection to a power source.
- Extension cords shall be three-prong grounded type. Proper hard conduit is required to pass electrical cables through walls, doorways, windows, ceilings and floors.

## **PPE POLICIES**

The purpose of the Personal Protective Equipment Policies is to protect the employees of Humanix from exposure to workplace hazards and the risk of injury through the use of personal protective equipment (PPE). PPE is not a substitute for more effective control methods, and its use will be considered only when other means of protection against hazards are not adequate or feasible. It will be used in conjunction with other controls unless no other means of hazard control exist.

PPE will be provided, used, and maintained when it has been determined that its use is required to ensure the safety and health of our employees and that such use will lessen the likelihood of occupational injury and/or illness.

## **SAFETY COMMITTEE**

The safety of every Humanix employee is important to us. If you have any concerns about workplace safety, please do not hesitate to contact our office. Our safety committee meets monthly and all safety concerns will be discussed at that time.

## **REPORTING & RECORDING**

### **INJURIES/INCIDENTS**

1. Employees must report any work-related incident/injury to their client supervisor and to Humanix office within a reasonable time following the event, regardless of how minor. Failure to report work-related injuries/incidents promptly may result in the denial of benefits under the workers' compensation law.
2. Employees will complete a Humanix or client incident report.
3. In-patient hospitalizations or fatalities of any worker **must** be reported to the Washington State Department of Labor & Industries (L&I) within 8 hours. Non-hospitalized amputation or loss of an eye due to an on-the-job injury must be reported within 24 hours. Call 1-800-423-7233.

Information needed for reporting:

- |                                |  |
|--------------------------------|--|
| • Company name                 | • Extent of injuries or illness                            |
| • Location                     | • Brief description of what happened                       |
| • Time of incident             | • Name and phone number of a contact person at the company |
| • Number of employees involved |  |

## **REPORTING & RECORDING – UNSAFE CONDITIONS/PRACTICES/ACTS**

Employees must report any hazardous condition/practice/act that may be harmful to their immediate supervisor.

## **SMALL FIRE EMERGENCIES & BUILDING EVACUATIONS**

### **BUILDING EVACUATIONS**

- Shut off energy supplies/machinery you are working with.
- At the sound of the evacuation alarm or upon notification, quickly and safely proceed to the nearest "Exit." Look both ways to determine the direction of the emergency, and proceed with caution.
- Do not use elevators to evacuate the building.
- Assigned personnel will safely assist mobility/hearing/visually impaired personnel. If you believe you will need support during an evacuation, please notify your client supervisor to be assigned a helper.
- All personnel will evacuate at least 75 feet from the building to the assigned assembly area. Your client supervisor will describe the location for your worksite.
- Evacuation maps are posted, and "Exits" are marked.
- Once a building is evacuated, people may not re-enter until authorized by your client supervisor or other designated client staff.

### **SMALL FIRE EMERGENCIES**

- Do not try to control a large fire with a portable extinguisher.
- If possible, seek a co-worker's help to confine the fire to the area of origin by closing doors, windows, and vents.
- Aim the fire extinguisher at the base of the fire, not up at the flames.
  - **Pull** the pin at the top of the extinguisher that keeps the handle from being accidentally pressed.
  - **Aim** the nozzle toward the base of the fire.
  - **Squeeze** the handle to discharge the extinguisher.
  - **Sweep** the nozzle back and forth at the base of the fire.
- Never permit a fire to get between you and the exit.

### **LARGE FIRE EMERGENCIES**

- Immediately report the fire to your client supervisor.
- Client supervisors for each department will:
  - Activate the evacuation alarm.
  - Call all emergency numbers and provide information to emergency responders.
  - Assess the medical needs of any injured/ill employee(s) and arrange for care.
  - Ensure emergency procedures are followed and plant operations are properly shutdown.
  - Inform management.

## **PROGRAM FEEDBACK**

Humanix encourages employees to ask questions and voice concerns about our Accident Prevention Program. Employees can submit questions or concerns without fearing retaliation to the Humanix office or anonymously by emailing [info@humanix.com](mailto:info@humanix.com).

# **HAZARD COMMUNICATION PROGRAM**

**HUMANIX**

## **COMPANY POLICY**

Humanix is committed to the prevention of harmful exposures that have the potential for injury and/or illness. It is our policy to ensure that all employees who use, handle, or store potentially hazardous products (during on-site routine and non-routine operations) be made fully aware of the nature and effects of these products and their proper use.

Humanix's Hazardous Communication Program in collaboration with our clients describe its system for maintaining:

- A current inventory of hazardous chemicals/materials.
- Labeling containers.
- Ready access to Safety Data Sheets (SDS).
- Providing personal protective equipment; and
- Training new, seasoned, or transferred Humanix employees who use hazardous chemicals/materials in their work areas.

## **SCOPE**

All covered employees will participate in the Hazard Communication Program.

## **RESPONSIBILITY**

Client management and supervisors will assure that the directives set forth in this program are met within their area of responsibilities.

## **HAZARD ASSESSMENT**

Client supervisor will ensure that the hazardous chemicals/materials and operations under their control are identified and that the actual risks to employees are properly evaluated.

## **LIST OF ALL "KNOWN CHEMICALS" AND SDS**

Our client designated staff are responsible for tracking all incoming and 'known to be present' chemicals in their facilities; and maintaining a current listing of all hazardous chemicals/materials and their corresponding SDS in a binder or database. The SDS binder will be kept at our client facilities and readily accessible to all workers. All chemical updates will be circulated to affected worker(s).

## **CONTAINER LABELING**

Our client designated staff will ensure that all original containers are prominently labeled.



Chemicals removed from their original containers and transferred into secondary containers will be properly relabeled (with the chemical name and hazards) by the employee making the transfer. If you find a chemical in a container that is not labeled, leave it where you find it and tell a supervisor.

## **TRAINING**

Our client designated staff will coordinate training for new or transferred workers before starting a job where chemical exposure could result in harm. Training will cover the applicable Hazardous Communication Standard and:

- What hazardous products are used.
- Emergency procedures for exposures, including first aid.
- Storing procedures.
- Where to find and how to read the SDS.
- How chemicals could harm you including applicable physical and health risks.
- How to mitigate and prevent exposure by use of engineering or administrative controls including Personal Protective Equipment (PPE).
- How to use applicable PPE.
- How to tell when chemicals are spilled or released and how to respond.
- How to safely use hazardous chemicals/materials as part of the job.
- Where to find the Hazardous Communication Program.

## **HAZARDOUS NON-ROUTINE TASKS**

When employees are required to perform hazardous non-routine tasks involving chemicals/materials, client supervisor will inform and train each affected employee on:

- Specific chemical hazard(s) involved while performing the task.
- Precautionary safety measures that can be taken.
- Measures taken by the company to lessen the hazard (such as ventilation, respirators, required presence of fellow workers); and
- Emergency response procedures.

HAZCOM SECONDARY CONTAINER LABELING

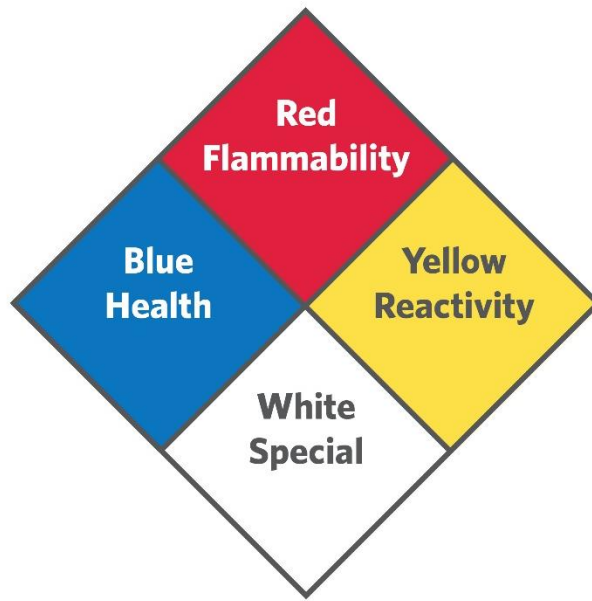
HAZARDOUS MATERIAL IDENTIFICATION SYSTEM (HMIS)



CATEGORY	RATING	SEVERITY OF HAZARD	DESCRIPTION OF RISK
<b>Health (Blue)</b>	0	Minimal Hazard	No significant risks to health
	1	Slight Hazard	Irritation or minor reversible injury possible
	2	Moderate Hazard	Temporary injury may occur
	3	Serious Hazard	Major injury likely unless avoided or protected
	4	Severe Hazard	Life threatening, major or permanent damage may result from single or repeated exposure
<b>Flammability (Red)</b>	0	Minimal Hazard	Normally stable, will not burn unless heated
	1	Slight Hazard	Flammable materials w/flash points at/above 200°F
	2	Moderate Hazard	Flammable materials w/flash points at/above 100°F-00°
	3	Serious Hazard	Materials with flash points between 73°F-100° F
	4	Severe Hazard	Very flammable w/flash points below 73° F
<b>Reactivity (Yellow)</b>	0	Minimal Hazard	Normally stable, even under fire; will not react with water
	1	Slight Hazard	Normally stable but can become unstable at high temperatures or pressure. May react with water but will not explode
	2	Moderate Hazard	Is unstable and will undergo violent chemical change, also may react with water
	3	Serious Hazard	Strong shock of heat may detonate. Very unstable
	4	Severe Hazard	May detonate at normal temperatures or pressures
<b>Specific (White)</b>	*	*	*Depends on task performed. For example, Personal Protective Equipment (PPE) required. (See SDS for details)

HAZCOM SECONDARY CONTAINER LABELING

NATIONAL FIRE PROTECTION AGENCY (NFPA)

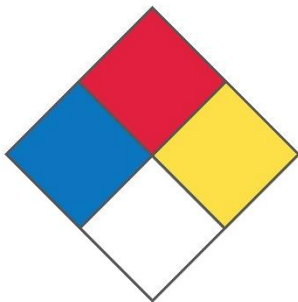


Identification of Health Hazard Color Code: BLUE		Identification of Flammability Color Code: RED		Identification of Health Hazard Color Code: YELLOW	
Type of Possible Injury		Susceptibility of Materials to Burning		Susceptibility to Release of Energy	
Signal		Signal		Signal	
4	Materials that, under emergency conditions, can be lethal	4	Materials which will rapidly or completely vaporize at atmospheric pressure and normal ambient temperature, or which are readily dispersed in air and which will burn readily	4	Materials that in themselves are readily capable of detonation or of explosive decomposition or explosive reaction at normal temperature and pressures, are shock sensitive and react explosively with water
3	Materials that, under emergency conditions, can cause serious or permanent injury.	3	Liquids and solids that can be ignited under almost all ambient temperature conditions.	3	Materials that in themselves are capable of detonation or explosive reaction but require a strong initiating source or which must be heated under confinement before initiation, are shock sensitive or which react explosively with water.
2	Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.	2	Materials that must be moderately heated or exposed to relatively high ambient temperature before ignition can occur.	2	Materials that readily undergo violent chemical change at elevated temperatures and pressures. Also, materials which may react violently with water or which may form potentially explosive mixtures with water.

<b>1</b>	Materials that, under emergency conditions, can cause significant irritation.	<b>1</b>	Material that must be preheated before ignition can occur.	<b>1</b>	Materials that in themselves are normally stable, but which can become unstable at elevated temperatures and pressures or which may react vigorously with water. Also, materials that change or decompose with exposure to air, light, or moisture.
<b>0</b>	Materials that, under emergency conditions, would offer no hazard.	<b>0</b>	Materials that will not burn.	<b>0</b>	Materials that in themselves are normally stable, even under fire exposure conditions, and which are not reactive with water.

<b>SPECIAL (WHITE)</b>	
<b>W</b>	<b>REACTS VIOLENTLY OR IN A DANGEROUS MANNER WITH WATER.</b>
<b>D</b>	<b>REQUIRES SPECIAL DISPOSAL.</b>
<b>OX</b>	<b>SUBSTANCE YIELDS OXYGEN TO SUPPORT COMBUSTION. REACTS TO OXIDIZE FUELS OR COMBUSTIBLES.</b>
<b>COR</b>	<b>ACID, ALKALI OR OTHER MATERIALS THAT WILL CAUSE SEVERE DAMAGE TO LIVING TISSUE.</b>
<b>☸</b>	<b>MATERIALS POSSESSING RADIOACTIVITY HAZARDS.</b>


The identification systems are focused on the hazards of the materials under fire or spill conditions. This system is used only for the storage of chemicals and may be set up in a number of different designs. The color and number codes are as described above. The hazard number ratings will be either inserted into or placed next to or below the corresponding colored box. Examples of the various identification systems that may be seen on bottles, drums or other containers are shown below.



## HAZCOM SECONDARY CONTAINER LABELING

# GLOBALY HARMONIZED SYSTEM (GHS)

1. **PRODUCT IDENTIFIER:** The product name or an identifying number that can be cross-referenced to the corresponding SDS, as well as to the list of hazardous chemicals that are required to be maintained as part of a written Haz-Com program.
2. **SIGNAL WORDS:** Words used to indicate the relative level of the severity of the hazard. The only two signal words that should be used are "Danger" and "Warning". Words like "Caution" or "Beware" will no longer be allowed after the effective date. "Danger" should be the signal word that is used for more severe hazards, while "Warning" should be used for hazards that are less severe.
3. **HAZARD STATEMENTS:** A relatively short statement assigned to a specific hazard class and category that describes the nature of the hazard(s) of a chemical, including where appropriate, the degree of the hazard. Examples of hazard statements include "Pressurized container: May burst if heated", or "May be harmful if inhaled."
4. **PRECAUTIONARY STATEMENTS:** Phrases that list recommended measures that should be taken to minimize or prevent adverse effects resulting from exposure to a hazardous chemical or improper storage or handling. An example of a precautionary statement would be "Do not eat, drink or smoke when using this product."
5. **PICTOGRAMS:** Icons that appear in a small red box. There are eight different pictograms, and one or more might appear on a label. Each one helps you quickly identify the specific type of hazard associated with the product.
6. **SUPPLIER INFORMATION:** The name, address, and phone number for the chemical manufacturer, importer, or other responsible party.

<b>1</b> <b>EPICHLOROHYDRIN</b>	
UN No. 2023 CAS No. 106-89-8	
<b>2</b> <b>DANGER</b>	<b>3</b> 
<b>4</b> Flammable liquid and vapor. Toxic if swallowed. Toxic in contact with skin. Causes severe skin burns and eye damage. May cause an allergic skin reaction. May cause cancer.	
<b>5</b> Do not breathe dust/fume/gas/mist/vapors/spray. Wear protective gloves/protective clothing/eye protection.	
Fill Weight: 18.52 lbs Gross Weight: 20 lbs Expiration Date: 1/15/2027	Lot Number: A0323111323 Fill Date: 1/15/2021
<b>6</b> Great Chemical Company, 55 Main Street, Anywhere, WA 00000	

# (SDS & PICTOGRAM TRAINING KEY)

## SDS

**Section 1 | Identification:** Identifies the chemical on the SDS as well as recommended uses. Provides contact information of the supplier (i.e. name, address, phone number, importer, etc.).

**Section 2 | Hazard(s) Identification:** Identifies the hazards of the chemical and the appropriate warning information. Includes hazard classification & category, signal word, hazard statement, pictogram(s), precautionary statement.

**Section 3 | Composition:** Identifies the ingredients contained in the product.

**Section 4 | First-Aid Measures:** Describes the initial care that should be given by untrained responders to exposure/accident.

**Section 5 | Fire-Fighting Measures:** Provides recommendations for fighting a fire caused by the chemical.

**Section 6 | Accidental Release Measures:** Provides information on appropriate response to spills, leaks, or releases. Includes containment and cleanup practices to prevent exposure to people, property, or environment. Distinguishes between large and small spills.

**Section 7 | Handling and Storage:** Provides guidance on the safe handling practices and conditions for safe storage.

**Section 8 | Personal Protective Equipment/Exposure Controls:** Includes exposure limits, engineering controls, and PPE requirements.

**Section 9 | Physical and Chemical Properties:** Identifies physical and chemical properties associated with the substance or mixture (appearance, odor, flash point, flammability, viscosity, etc.)

**Section 10 | Stability and Reactivity:** Describes the reactivity hazards and chemical stability. Broken into three parts: reactivity, chemical stability, and other

**Section 11 | Toxicological Information:** Identifies toxicological and health effects or indicates that data is not available. Provides information on likely routes of exposure (inhalation, ingestion, skin, and eye contact).

**Section 12 | Ecological Information:** Provides information to evaluate the environmental impact of the chemical if it were released.

**Section 13 | Disposal Considerations:** Provides guidance on proper disposal practices, recycling, or reclamation of the chemical, as well as safe handling practices. Section should reference Section 8 (PPE).

**Section 14 | Transport Information:** Provides guidance on classification information for shipping and transportation of hazardous chemicals by air, road, rail, or sea.

**Section 15 | Regulatory Information:** Identifies the safety, health, and environmental regulations specific for this product that is not indicated in any other section of the SDS.

**Section 16 | Other Information:** Indicates when the SDS was created or when the last known revision was made. May also state where changes have been made on previous versions.

# Pictograms

## Health Hazard



- Carcinogen
- Mutagenicity
- Reproductive Toxicity
- Respiratory Sensitizer
- Target Organ Toxicity
- Aspiration Toxicity

## Flame



- Flammables
- Pyrophorics
- Self-Heating
- Emits Flammable Gas
- Self-Reactives
- Organic Peroxides

## Exclamation Mark



- Irritant (skin and eye)
- Skin Sensitizer
- Acute Toxicity (harmful)
- Narcotic Effects
- Respiratory Tract Irritant
- Hazardous to Ozone Layer (Non-Mandatory)

## Gas Cylinder



- Gases under pressure

## Corrosion



- Skin Corrosion/burns
- Eye Damage
- Corrosive to Metals

## Exploding Bomb



- Explosives
- Self-Reactives
- Organic Peroxides

## Flame over Circle



- Oxidizers

## Environment (Non-Mandatory)



- Aquatic Toxicity

## Skull & Crossbones



- Acute Toxicity (fatal or toxic)