

BUCKEYE BRINE

Treatment & Disposal

HAZARD COMMUNICATION PROGRAM

**Buckeye Brine, LLC
Riverside Recycling Facility
Tuscarawas, Ohio**

In order to comply with applicable regulations promulgated by the Ohio Department of Natural Resources, the following written Hazard Communication Program has been prepared in accordance with the standards established in 29 CFR § 1910.1200 (Hazard Communication Standard) of the Occupational Safety and Health Administration, for:

Buckeye Brine
6505 State Route 36 Rear
Tuscarawas, Ohio 44682
Implementation Date: January 2014

The Hazard Communication Program was developed to prevent incidence or happenings which result in injury and/or illnesses of Buckeye Brine's employees and to comply with all applicable federal and state health and safety regulations. This program provides information about the hazardous materials present in our workplace and details the five elements required of a Written Hazard Communication Program:

- Hazard Determination
- Chemical Inventory
- Container Labeling
- Material Safety Data Sheets
- Employee Training & Information

All employees at Buckeye Brine are included in this program. The written program is available for review in the Laboratory Office.

HAZARD DETERMINATION

Buckeye Brine's facility will rely upon the information detailed in the Material Safety Data Sheets of materials purchased from manufacturers and/or vendors for hazard determination. Each time a new product is received, it will be evaluated to determine what hazards it presents, and whether or not it will be added to the inventory of all hazardous materials on site. David Durakovich or a designated employee is responsible for updating this inventory.

CHEMICAL INVENTORY

Inventories listing all known hazardous materials used in our workplace are maintained as an attachment to this document, as well as in the Material Safety Data Sheet binders located in both the laboratory area. These inventories list hazardous materials alphabetically/numerically by trade name along with the manufacturer or supplier of each material.

CONTAINER LABELING

Each hazardous container received from a manufacturer or vendor must possess a label. The label must:

- Be prominently displayed, legible, accurate and in English
- Display appropriate Hazard Warnings
- Use a chemical identity that permits cross-referencing between the list of hazardous chemicals, a chemical's label and its MSDS; and
- Include the name and address of the operator or another responsible party who can provide additional information about the hazardous chemical.

The operator does not have to label a temporary, portable container if he or she ensures that the employee using the portable container -

- Knows the identity of the chemical, its hazards and any protective measures needed, and
- Leaves the container empty at the end of the shift.
- Otherwise, the operator must mark the temporary, portable container with at least the common name of its contents.

If a material container from a manufacturer or vendor is not labeled in accordance with the requirements of this hazard communication program, it will be re-labeled by facility personnel in the same manner as secondary and transfer containers. Facility personnel transferring materials into containers are responsible for generating container labels for portable containers.

Portable containers, into which hazardous chemicals are transferred, are intended only for immediate use; anytime within the eight-hour shift. Portable containers need not be labeled if the operator knows the identity, hazards and protective measures of the chemical in the container and the container is emptied at the end of his/her shift.

MATERIAL SAFETY DATA SHEETS (MSDS)

HazCom requires the mine operator to have and to maintain a file of MSDSs for every chemical to which the employee can be exposed under normal conditions of use or in a foreseeable emergency.

Before an employee can be exposed to a new chemical hazard, the operator must:

- Inform the employee about the chemical's hazards,
- Instruct the employee on hazard recognition and
- Instruct on protective measures.

The operator must ensure that MSDSs remain current and are revised within 3 months of becoming aware of significant new information.

MSDSs may be hard-copy, fax-on-demand, or electronic. The 3E Company maintains material Safety Data sheets for each hazardous material. To obtain a MSDS for all materials at the facility, 3E can be contacted 24 hours a day, 7 days a week at 1-800-451-8346. The 3E Company will fax the requested MSDS directly to this facility.

MSDSs are available to each employee during her/his work shift by way of 3E or by checking the inventory of MSDS filed in the Laboratory Office for both laboratory and operations materials. If an MSDS is not available for a particular material, contact David Durakovich or Toni Martin, and the appropriate information will be obtained.

David Durakovich or the Facility Manager will determine which products should be accompanied by a MSDS prior to use at the facility. Department managers should review newly arriving data sheets for significant health and safety information and see that new information is passed on to the appropriate employees.

Department managers should ensure that all new MSDS's are sent to 3E for electronic filing and also check each new MSDS for completeness. The Energis HazCom standard requires the MSDS to contain ten (10) information sections, which are:

- Identity – the chemical and common name,
- Properties – the physical and chemical properties,
- Physical Hazards – the potential for fire, explosion, and reactivity,
- Health Hazards – the potential to cause illness and injury,
- Carcinogenicity – information about the chemical's carcinogenicity,
- Exposure Limits – limit defined by MSHA, OSHA, or NIOSH's REL,
- Safe Use – any precautions for safe use,
- Control Measures – such as ventilation, process controls, and appropriate PPE,
- Emergency Information – appropriate emergency procedures, and
- Date Prepared – the preparation or revision date of the MSDS.

However, if the operator accepts the manufacturer's MSDS as a good faith effort, the operator is not responsible for the accuracy. However, if missing or incomplete information is recognized, a new MSDS will be requested from the manufacturer.

OSHA's HazCom does not require a MSDS for oilfield waste. However, the operator must maintain whatever information is available that describes the waste's components, its hazards or protective measures. Buckeye Brine maintains this information in the form of a Material Safety Information Sheet (MSIS), in the facility's contingency plan.

EMPLOYEE INFORMATION AND TRAINING

1. Initial Training

Employees who have the potential to be exposed to hazardous materials receive 24 hours of initial training that includes classroom and hands-on lessons. This training covers the following topics:

- OSHA's Hazard Communication Standard
- Product Labels and Material Safety Data Sheets
- Physical and Health Risks of Hazardous Materials
- Safe Handling Procedures and Personal Protective Equipment
- Chemical Hygiene Plan
- First-Aid and Emergency Procedures
- Clean-Up of Spills and Disposal
- Substance Abuse
- Storage and Mixing of Hazardous Materials
- Detection of Release and Exposure

Initial training will be completed within six months of hire and/or prior to an employee working unsupervised. Upon completion of initial training, the new employee will receive hands-on training by designated personnel.

2. Follow -Up Training

Employees will be trained in the use of, and protection from, specific chemicals by their immediate supervisor. Additional training will be provided to all affected employees when changes in chemicals or operations occur, or when new hazards are introduced to the workplace. Each areas immediate supervisor will also conduct this training.

3. Contractors

Buckeye Brine LLC will ensure that contractors are informed of the hazards to which they may be exposed and how to protect themselves from the materials, while working in our facility. They will be informed of the location of the appropriate Material Safety Information Sheets. Any necessary personal protective equipment, emergency equipment and Energis' container labeling system will be explained to contractors.

Buckeye Brine LLC will also collect necessary safety information from contractors and ensure that Buckeye Brine's employees are informed about hazardous materials used by contractors and the means available to protect themselves from exposure to the materials.

4. Information for Visitors

We will restrict access of visitors to areas containing hazardous chemicals, unless we first provide them with information regarding the nature of the hazards and how to protect themselves.

5. Hazardous, Non-Routine Tasks

Periodically, employees are required to perform hazardous tasks outside their normal job duties. Before starting such work, the employee will be given the following information on the task:

- Specific Physical and Chemical Hazards
- Required Personal Protective Equipment
- Appropriate Safety Measures
- Emergency Procedures

Supervisors/Managers will ensure that employees are informed of hazardous, non-routine tasks. An example of a hazardous non-routine task performed by employees at the Holly Hill facility is:

- Spill Clean-Up

If you have any questions about this program, contact David Durakovich, Vice President, Technical Services and Development, who will ensure that policies contained herein, are carried out.

Facility Manager's Signature

____/____/_____
Date