

HAZARD COMMUNICATION

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I. PURPOSE

The following hazard communication program has been established for Grand Traverse Construction. This program will be available for review by all employees.

II. Hazard Classification

Chemical manufacturers or importers shall evaluate chemicals they produced or import to classify the chemicals in accordance with the revised Hazard Communication Standard.

Effective June 1, 2015 - For each chemical, the chemical manufacturer or importer shall determine the hazard classes, and where appropriate, the category of each class that apply to the chemical being classified. This information will be placed in the Material Safety Data Sheet/Safety Data Sheet (MSDS/SDS) and on the product label.

III. RESPONSIBILITIES

The Management is responsible for the implementing and maintaining the following:

- a. Ensuring this hazard communication program is available for review by all employees.
- b. Ensuring all containers entering the worksites are properly labeled.
- c. Compiling and maintaining the master MSDS file.
- d. Coordinate and maintain records of employee hazard communication training.
- e. Giving information about hazards of areas or procedures involving non-routine tasks.
- f. Developing methods to administer this hazard communication program in situations involving employees of other companies. (Subcontractors)
- g. Identifying hazardous contents of vessels, pipes and piping systems.
- h. Maintaining a hazardous chemical inventory list.

IV. HAZARD DETERMINATION

Management will rely on MSDS/SDSs obtained from product suppliers to determine which chemicals are classified as hazardous for employees.

V. Labeling

A. The Workforce Risk Manager will be responsible for seeing that all containers entering the workplace are properly labeled.

B. All labels shall be checked for:

Current requirements: Requirements effective June 1, 2015:

1. Identity of the material.
2. Appropriate hazard warning for the material
3. Name and address of the responsible party. (Only if the container is received from the manufacturer, distributor, or importer.)
4. Product identifier;
5. Signal word;
6. Hazard statement(s);
7. Pictogram(s);
8. Precautionary statement(s); and,
9. Name, address, and telephone number of the chemical manufacturer, importer, or other responsible party.

C. Each Superintendent shall be responsible for ensuring that all secondary containers used in their work area are labeled as above and provide employees with the specific information regarding the physical and health hazards of the hazardous chemical.

VI. Safety Data Sheets

Changes to MSDS/SDS format effective June 1, 2015 - Chemical manufacturers or importers shall ensure that MSDS/SDSs for their products includes the following Sections in order:

- Section 1, Identification;
- Section 2, Hazard(s) identification;
- Section 3, Composition/information on ingredients;
- Section 4, First-aid measures;
- Section 5, Fire-fighting measures;
- Section 6, Accidental release measures;
- Section 7, Handling and storage;
- Section 8, Exposure controls/personal protection;
- Section 9, Physical and chemical properties;
- Section 10, Stability and reactivity;
- Section 11, Toxicological information.
- Section 12, Ecological information;
- Section 13, Disposal considerations;
- Section 14, Transport information;
- Section 15, Regulatory information; and
- Section 16, Other information, including date of preparation or last revision.

A. The Workforce Risk Manager will be responsible for compiling and maintaining the master MSDS/SDS file. The file will be kept in/at Shared drive Z:\Safety.

B. Copies of MSDS/SDSs for employee use are located on GTC Website Safety tab, GTC Main Office. MSDS/SDSs will be available for review to all employees during each work shift.

C. Posters identifying the person responsible for maintaining MSDS/SDSs and where the MSDS/SDSs are located are posted at First Aid stations of each Job Site. Posters notifying employees when new or revised MSDS/SDSs are received will be located in the same location(s).

D. If a required MSDS/SDS is not received, the Workforce Risk Manager shall contact the supplier, in writing, to request the MSDS/SDS. If an MSDS/SDS is not received after two such requests, the Workforce Risk Manager shall contact the MIOSHA's Construction Safety and Health Division at (517) 284-7680 or General Industry Safety and Health Division (GISHD) at (517) 284-7750, for assistance in obtaining the MSDS/SDS.

VII. Employee Information and Training

A. The Workforce Risk Manager shall coordinate and maintain records of employee hazard communication training, including attendance rosters.

B. Before their initial work assignment, each new employee will receive hazard communication training. This will include the following information and training:

Information:

- The requirements of the MIOSHA Hazard Communication Standard
- All operations in their work area where hazardous chemicals are present
- Location and availability of the written hazard communication program, the list of hazardous chemicals, and the MSDS/SDS

Training:

- Methods and observations that can be used to detect the presence or release of hazardous chemicals in the work area;
- The physical, health, simple asphyxiation, combustible dust and pyrophoric gas hazards, as well as hazards not otherwise classified, of the chemicals in the work area;
- Measures the employees should take to protect themselves from these hazards;
- Details of the hazard communication program-- including an explanation of the new label elements [product identifier; signal word; hazard statement(s); pictogram(s); and, precautionary statement(s)] on shipped containers and the workplace labeling system used by their employer; the new SDS format/sections; and,
- How employees can obtain and use hazard information

C. The employee shall be informed that:

1. The employer is prohibited from discharging, or discriminating against, an employee who exercises his/her rights to obtain information regarding hazardous chemicals used in the workplace.
2. As an alternative to requesting an MSDS/SDS from the employer, the employee can seek assistance from the MIOSHA Construction Safety and Health Division, at (517) 284-7680, or the MIOSHA General Industry Safety and Health Division at (517) 284-7750, to obtain the desired MSDS/SDS. A sign or MIOSHA poster will be posted with the address and telephone number of the MIOSHA Divisions responsible for such requests.

D. Before any new physical or health hazard is introduced into the workplace, each employee who may be exposed to the substance will be given information in the same manner as during the hazard communication training.

VIII. Hazardous Non-routine Tasks

A. Occasionally, employees are required to perform non-routine tasks (i.e. enter confined spaces). Prior to starting work in such areas, each employee will be given information about the hazards of the area or procedure. This information will include:

1. Specific chemical hazards.
2. Protection/safety measures the employee can take to lessen risks of performing the task.
3. Measures the company has taken to eliminate or control the hazard, including:
 - a. air monitoring,
 - b. ventilation requirements,
 - c. use of respirators,
 - d. use of attendants to observe procedures, and
 - e. emergency procedures.

B. It is the policy of Grand Traverse Construction that no employee will begin performance of a non-routine task without first receiving appropriate safety and health training.

- C. Hazardous non-routine tasks we have at our facility include:
- a. Permit Required Confined Spaces

IX. Multi-Employer Worksites -- Informing Contractors

A. If our company exposes any employee of another employer to any hazardous chemicals that we produce, use, or store, the following information will be supplied to that employer:

1. The hazardous chemicals they may encounter.
2. Measures their employees can take to control or eliminate exposure to the hazardous chemicals.
3. The container and pipe labeling system used on-site.
4. Where applicable MSDS/SDSs can be reviewed or obtained.

B. Periodically, our employees may potentially be exposed to hazardous chemicals brought on our site by another employer. When this occurs we will obtain from that employer information pertaining to the types of chemicals brought on-site, and measures that should be taken to control or eliminate exposure to the chemicals.

C. It is the responsibility of the Workforce Risk Manager to ensure that such information is provided and/or obtained prior to any services being performed by the off-site employer. To ensure that this is done all Contractors are required to submit a copy of their Hazard Communication Policy with all applicable SDS documents to Grand Traverse Construction with other required documents per the Contract Agreement.

X. Pipes and Piping Systems

Information on the hazardous contents of pipes and piping systems will be identified by: List means of identification for pipes and piping systems (i.e., label, sign, placard, written operating instructions, process sheet, batch ticket, etc.). Natural gas, steam and compressed air lines (with pressures exceeding 25 psig) must be identified in all industrial facilities. ANSI A13.1-1981 recommends the following colorations: blue for low-medium pressure oxygen and compressed air lines, yellow for variable-high pressure oxygen and compressed air lines, and yellow for acetylene and natural gas lines.

List of Hazardous Chemicals

A list of all hazardous chemicals used by Grand Traverse Construction follows. Further information regarding any of these chemicals can be obtained by reviewing its respective MSDS/SDS.

Materials which can be purchased by the ordinary household consumer, and which are used for the intended purpose and amount as by the ordinary household consumer, are not required to be included in this list.

Hazardous Chemicals include:

Chem-Rex sonneborn

- Acryl 60
- Confilm
- Kurenseal 25
- Kurenseal 25_2
- Kurenseal 30
- Kurenseal 30_2
- Kurenseal W
- Kurenseal WB
- Kurenseal WB_2
- Kurenseal
- NP1- All Colors
- SET 45
- SonogROUT 10K
- Thorogrip Anchor Cement
- Thorseal
- Thorseal_2
- Waterplug

L&M Construction Chemicals

- Aqualpel Plus
- Dress Seal WB
- Dress Seal
- E_Con
- LM Cure
- Siliconate Solution

Dayton Superior

- Citrus Peel
- Clean strip CM
- Day Chem Sure Film
- Day Chem Turseal
- Poxy fill hardener
- Poxy fill resign
- Superior Concrete Border 2
- Superior Concrete Board

Oatey Company

- All Wather Cement
- Clear Cleaner
- LO-VOC Cement
- Pipe Joint Compand
- Purple Primer NSF

Euclid Chemical Co.

Concrete surface Retarder S
Rez-Seal
Surflex

WR Meadows

Sealtight Dougard form Release Agent
Sealtight MEL_Prime Water Base Primer
Sealtight MEL_ROL Waterproofing Membrane
Sealtight Pointing Mastic

Tamms

Duraflex Fastpatch A
Duraflex Fastpatch B
Duralith LVB
Duratop Gel Liquid B
Duratop Gel Pwder
Heydi K11 Gay
Heydi SB Liquid
Speedcrete Red Line
Tamms This Patch
Tamms Patch Liquid
Tammspatch Powder
ThinPatch Powder

Misc. Manufacturers

Cetco Volclay
Cetco Waterstop
Conspec Strong Bond
Hilti Hit Hy 150
Noxcrete Kemexit
QZ Form Release
Shell Low sulfur Diesel
Shell Regular Gas
Sparta Concrete Prep
Spartan Orange Tough 90
Stihl Omni Special Packaging
Unitex Propoxy 300