

# HazCom Program

## Hazard Communication Written Program



Clint Independent School District  
14521 Horizon Boulevard  
El Paso, TX 79928

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## **I. GENERAL INFORMATION**

- A. The Texas Hazard Communication Act (THCA), codified as Chapter 502 of the Texas Health and Safety Code (HSC), requires all public employers in Texas to provide their employees with information regarding hazardous chemicals to which employees may be exposed in their workplace. In order to comply with Section 502.009(b) of the THCA and Section 295.7(a) of the THCA Rules (Title 25 of the Texas Administrative Code (TAC), Section 295.1- 295.12), the following written Hazard Communication Program has been established for Clint Independent School District.
- B. The master copy of the written hazard communication program will be maintained on the Clint ISD website at [www.clintweb.net](http://www.clintweb.net). Copies of the written program will be modified as needed for each separate workplace where hazardous chemicals are used or stored and a copy maintained at each workplace. It is important to clarify that an updated and thorough list of chemicals for each facility can be found in the SDS Binders located at all facilities where chemicals are found. The written program will be available to all interested employees and their representatives upon request.
- C. To facilitate administration of and compliance with this Program, the following levels of responsibility have been established:
  - 1. The CISD Maintenance Department along with the Department of Human Resources will have overall responsibility for administering and maintaining this program and ensuring that it meets all requirements of the THCA.
  - 2. The CISD Maintenance Department will be responsible for: Purchasing the least hazardous chemicals, obtain a SDS for new products purchased, and provide copies to all facilities. All chemicals must be kept in their labeled container.
  - 3. Individual employees will be responsible for: Keep the SDS sheets where the products are stored. Follow safety chemical proper use and safety guidelines, storage procedures, PPE, and disposal precautions.

## **II. EXEMPTIONS**

- A. Per Section 502.004(f), the following chemicals are exempt from the requirements of the THCA and are outside the scope of this written program:

1. Hazardous waste that is subject to regulation by the Texas Natural Resource Conservation Commission and/or the U.S. Environmental Protection Agency
2. A chemical in a laboratory under the direct supervision or guidance of a technically qualified individual if:
  - a. Labels on incoming containers of chemicals are not removed or defaced
  - b. This employer complies with Sections 502.006 and 502.009 of the THCA with respect to laboratory employees; and
  - c. The laboratory is not used primarily to produce hazardous chemicals in bulk for commercial purposes
3. Tobacco or tobacco products
4. Wood or wood products
5. Articles formed to a specific shape or design during manufacture and that do not release or otherwise result in exposure to a hazardous chemical under normal conditions of use
6. Food, drugs, cosmetics or alcoholic beverages
7. Consumer products or hazardous substances used in the workplace in the same manner as normal consumer use and if the use results in a duration and frequency of exposure that is not greater than exposures experienced by a consumer
8. Radioactive waste

### **III. Definitions**

- A. **“Appropriate Hazard Warning”** – Any words, pictures, symbols, or combination thereof appears on a label or other appropriate form of warning which convey the health and physical hazards, including the target organ effects, of the chemical(s) in the container(s).
- B. **“Categories of Hazardous Chemicals”** – A grouping of hazardous chemicals with similar properties.

- C. **“Container”** – Any bag, barrel, bottle, box, can, cylinder, drum, reaction vessel, storage tank, or the like that contains a hazardous chemical or contains multiple smaller containers of an identical hazardous chemical. The term “container” does not mean pipes or piping systems, nor does it mean engines, fuel tanks, or other operating systems in a vehicle. A primary container is one in which the hazardous chemical is received from the supplier. A secondary container is one to which the hazardous chemical is transferred after receipt from the supplier.
- D. **“Employee”** – A person who may be or may have been exposed to hazardous chemicals in the person’s workplace under normal operating conditions or foreseeable emergencies. Workers such as office workers or accountants who encounter hazardous chemicals only in non-routine, isolated instances are not employees for purposes of this Act.
- E. **“Expose”** – Subject an employee to a hazardous chemical in the course of employment through any route of entry, including inhalation, ingestion, skin contact, or absorption. The term includes potential, possible, or accidental exposure under normal conditions of use or in a reasonable foreseeable emergency.
- F. **“Hazardous Chemical” or “Chemical”** – An element, compound, or mixture of elements or compounds that is a physical hazard or a health hazard.
- G. **“Health Hazard”** – A chemical for which acute or chronic health effects may occur in exposed employees and which is a toxic agent, irritant, corrosive, or sensitizer.
- H. **“Label”** – Any written, printed, or graphic material displayed on or affixed to containers of hazardous chemicals, and which includes the same name as on the material safety data sheet.

### III. DEFINITIONS (CONTINUED)

- I. **“Safety Data Sheet” (“SDS”)** – A document containing chemical hazard and safe handling information that is prepared in accordance with the requirements of the federal Occupational Safety and Health Administration (OSHA) standard for that document. A current SDS is one which contains the most recent significant hazard information for the hazardous chemicals as determined by the chemical’s manufacturer. An appropriate SDS is one which conforms to the most current requirements set by OSHA standards.

- J. **“Physical Hazard”** – A chemical which is a combustible liquid, a compressed gas, explosive, flammable, an organic peroxide, an oxidizer, pyrophoric, unstable (reactive), or water-reactive.
- K. **“Personal Protective Equipment”** – Protective equipment provided to an employee by the employer which provides a level of protection to chemicals to which the employee may be exposed that will be adequate to ensure their health and safety based on current industry standards.
- L. **“Stationary Process Container”** – A tank, vat, or other such container which holds different hazardous chemicals at different times.
- M. **“Technically Qualified Individual”** – An individual with a professional education and background working in the research or medical fields, such as a physician or registered nurse, or an individual holding a minimum of a bachelor’s degree in a physical or natural science.
- N. **“Work Area”** – A room, defined space, utility structure, or emergency response site in a workplace where hazardous chemicals are present, produced, or used, and where employees are present.
- O. **“Workplace”** – A contiguous facility that is staffed 20 hours or more per week, unless such a facility is subdivided by the employer. Normally this subdivision would be a building, cluster of buildings or other structures, or a complex of buildings, but could be for a portion of a building if the employer chooses. Noncontiguous properties are always separate workplaces unless they are temporary workplaces, in which case they can be either work areas of a headquarters’ workplace or separate workplaces, which is at the discretion of the employer.

#### **IV. WORKPLACE CHEMICAL LIST ..... (HSC §502.005 AND 25TAC §295.4)**

- A. Clint Independent School District Maintenance Department will develop and maintain a list of hazardous chemicals normally present in the workplace in excess of 55 gallons or 500 pounds. This Workplace Chemical List will be developed for each workplace where such quantities of hazardous chemicals are used or stored and will be available for review by employees and their designated representatives.
- B. The Warehouse Supervisor will be responsible for reviewing and updating the Workplace Chemical List(s) for Clint ISD as necessary, and the Department of

Human Resources will be responsible to for making sure the list is annually updated by December, 31st of each year.

- C. The Workplace Chemical List will be maintained for at least 30 years.
- D. Further information on chemicals listed on the Workplace Chemical List can be obtained by referring to the Safety Data Sheet (SDS) located in each workplace where these chemicals are used or stored.

**V. SAFETY DATA SHEETS ..... (HSC §502.006 AND 25 TAC §295.5)**

- A. The Clint ISD Maintenance Department will maintain a current and appropriate Safety Data Sheet (SDS) for each hazardous chemical purchased.
- B. The Risk Management Department along with the Cisd Maintenance Department will be responsible for the SDS system for Cisd Maintenance and will ensure that:
  - 1. Incoming SDS sheets are reviewed for new and significant health/safety information and that any new information is passed on to the affected employees.
  - 2. Hazardous chemicals received without an SDS are withheld from use until a current SDS is obtained.
  - 3. Missing SDS are requested from an appropriate source (e.g., chemical manufacturer, distributor, or electronic database) within 30 days from receipt of the hazardous chemical.
  - 4. Affected employees are provided a description of any alternative system (such as electronic databases) being used in lieu of hard copy SDS.
  - 5. Emergency responders are provided SDS as soon as practical upon request.
- C. SDS files for Clint Independent School District will be kept in binders where chemicals are stored and a master list will be kept updated by the Cisd Maintenance Department.
- D. SDS will be readily available for review by employees or their designated representatives via SDS binders and a master list kept by the Cisd Maintenance Department.

## **VI. CHEMICAL CONTAINER LABELS ..... (HSC §502.007 AND 25 TAC §295.6)**

- A. All containers of hazardous chemicals used or stored by Clint Independent School District will be appropriately labeled.
- B. The Risk Management Department and facility supervisors, will be responsible for the hazardous chemical labeling system and will verify that:
  - 1. All primary containers of hazardous chemicals are clearly labeled to include:
    - a. The identity of the chemical as it appears on the SDS
    - b. The appropriate hazard warnings
    - c. The name and address of the manufacturer
  - 2. All secondary containers of hazardous chemicals are clearly labeled to include:
    - a. The identity of the chemical as it appears on the SDS
    - b. The appropriate hazard warnings
  - 3. A description of alternative labeling systems, if used, is provided to employees. Examples of alternative labeling systems are the National Fire Protection Association (NFPA) 704m Standard and the Hazardous Materials Information Systems (HMIS) Standard.
- C. Clint Independent School District will rely on the chemical manufacturers or distributors to provide labels which meet the above requirements for primary containers of all hazardous chemicals purchased, and will re-label containers only when the label is illegible or otherwise does not meet the above requirements.

## **VII. EMPLOYEE TRAINING PROGRAM**

- A. Clint Independent School District will provide an education and training program to all employees who routinely use or handle hazardous chemicals in their workplace.
- B. The Risk Management Officer will be responsible for the employee training program and will ensure that:



1. Appropriate training is provided to all covered employees and includes:
  - a. The use of information provided on SDS and chemical container labels
  - b. The location of hazardous chemicals present in the employees' work areas
  - c. The physical and health effects of exposure
  - d. Proper use of personal protective equipment
  - e. Safe handling of hazardous chemicals
  - f. First aid treatment for exposure to hazardous chemicals
  - g. Safety instruction on clean-up and disposal of hazardous chemicals
2. Required training records are maintained in Human Resources and include:
  - a. The date of the training session
  - b. A legible list of all employees attending the training session
  - c. The subjects covered
  - d. The name of the instructors  
(Employers may use either Attachment A, Employee Training Roster, or Attachment B, Employee Training Sheet, to comply with this requirement)
3. All covered employees are identified and incorporated into the training program.
4. Employees are provided information concerning the hazardous chemicals to which they may be exposed during the performance of non-routine tasks.
5. New employees are trained prior to their being required to use or handle a hazardous chemical.
6. The need and frequency for periodic/refreshers training is assessed.

- C. Employees subject to these training requirements will sign an attendance roster for each training session attended, verifying that they received and understood the information.

**VIII. REPORTING EMPLOYEE DEATHS AND INJURIES ..... (HSC §502.012 AND 25 TAC §295.9)**

- A. Clint Independent School District will notify the Texas Department of State Health Services, Division for Regulatory Services, Enforcement Unit, of any employee accident that involves a hazardous chemical exposure or asphyxiation, and that is fatal to one or more employees or results in the hospitalization of five or more employees.
- B. The CISD Department of Benefits will be responsible for reporting all such accidents to The Texas Department of State Health Services, Division for Regulatory Services, Enforcement Unit, within 48 hours after their occurrence. Notifications will be made either orally or in writing to:

Texas Department of State Health Services Division for Regulatory Services,  
Enforcement Unit 1100 West 49th Street  
Austin, Texas 78756  
Phone: (512) 834-6665  
Fax: (512) 834-6606

- C. Employees will be responsible for reporting all accidents involving a hazardous chemical to their supervisor.
- D. Supervisors will be responsible for reporting all accidents involving a hazardous chemical to the CISD Department of Benefits.

**IX. Posting the Notice to Employees..... (HSC §502.0017 and 25 TAC §295.12)**

- A. CISD will post and maintain in all workplaces where hazardous chemicals are used or stored the most current version of the TDH Notice to Employees, informing employees of their rights under the THCA. (See attachment C, Notice to Employees)
- B. Notice to Employees shall be clearly posted and unobstructed at all locations in the workplace where notices are normally posted, and with at least one location in each workplace.

- C. In workplaces where employees that have difficulty reading or understanding English may be present, a copy of the Notice, printed in Spanish, will be posted together with the English version of the Notice. (See attachment D, Notice to Employees, Spanish version)
- E. Additional copies of the Notice, in both English and Spanish, are available on the chemical right-to-know website at [www.tdh.state.tx.us/beh/hazcom.htm](http://www.tdh.state.tx.us/beh/hazcom.htm) or on request from the Enforcement Unit at the address or telephone number listed on the cover page of this written program.

**X. PERSONAL PROTECTIVE EQUIPMENT .... (HSC §502.017 AND 25 TAC §295.12)**

- A. Clint Independent School District will provide appropriate personal protective equipment (PPE) to all employees who use or handle hazardous chemicals.
- B. The CISD Maintenance Department will assume overall responsibility for the distribution of PPE and will ensure that appropriate equipment and training are provided, to include:
  - 1. Proper selection of PPE based on:
    - a. Routes of Entry
    - b. Permeability of PPE material
    - c. Duties being performed by the employee
    - d. Hazardous chemicals present
  - 2. Proper fit and functionality of PPE as described by the manufacturer's specifications
  - 3. Appropriate maintenance and storage of PPE

**XI. MAINTAINING EMPLOYEE RIGHTS ..... (HSC §502.017 AND TAC §295.12)**

- A. CISD shall not discipline, harass, or discriminate against any employee for filing complaints, assisting inspectors of the Texas Department of State Health Services,

participating in proceedings related to the Texas Hazard Communication Act, or exercising any rights under the Act.

- B. Employees cannot waive their rights under the Texas Hazard Communication Act. A request or requirement for such a waiver by an employer is a violation of the Act.

**The Division for Regulatory Services, Enforcement Unit, welcomes your questions or comments regarding this Model Written Hazard Communication Program, the Texas Hazard Communication Act, or any aspect related to the Enforcement Unit's administration and enforcement of the Act. You may contact the Enforcement Unit at:**

**Texas Department of State Health Services Division for Regulatory Services,  
Enforcement Unit 1100 W. 49th Street, Austin, TX 78756**

**Phone: (512) 834-6665**

**Fax: (512) 834-6606**

### **III. ATTACHMENTS**

- A. Employee Training Roster
- B. Employee Training Sheet
- C. Notice to Employees (English version)
- D. Notice to Employees (Spanish version)
- E. Disposal and Cleaning of Chemicals
- F. OSHA Standard Communication Pictogram Information
- G. OSHA Standard Communication SDS Information
- H. Hazardous Materials Safety Guide

**EMPLOYEE TRAINING ROSTER**  
**Texas Hazard Communication Act, Section 502.009(g)**

**Department/Work Area:** \_\_\_\_\_

**Instructor:** \_\_\_\_\_ **Date:** \_\_\_\_\_

Employee Name (Print)	Employee Signature	Job Title

**Employee Training Roster (continued)**

**Attachment A**

## EMPLOYEE TRAINING SHEET

Texas Hazard Communication Act, Section 502.009(g)

**Department/Work Area:** \_\_\_\_\_

**Instructor:** \_\_\_\_\_ **Date:** \_\_\_\_\_

A. Per Sections 502.009(c) and (g) of the Texas Hazard Communication Act (THCA), the following subject(s) were covered in this training:

- Reading and interpreting chemical container labels
- Reading and interpreting alternative labeling systems, if such labeling systems are being used by the employer
- Reading and interpreting Safety Data Sheets (SDS)
- Location of hazardous chemicals in the workplace
- Physical and health effects of exposure
- Proper use of personal protective equipment
- First aid treatment for exposure
- Safety instruction on handling, cleanup and disposal procedures

B. Per Section 502.009(g) of the THCA, training was conducted based on:

- Categories of hazardous chemicals
- Individual hazardous chemicals

C. This hazard communication training was provided as:

- Initial training per Section 502.009(a) and (f) of the THCA
- Periodic/refreshers training per Section VII(B)(6) of this policy

**Instructor:** \_\_\_\_\_  
(Name) (Signature)

**Attachment B**

# NOTICE TO EMPLOYEES

The Texas Hazard Communication Act, codified as Chapter 502 of the Texas Health and Safety Code, requires public employers to provide employees with specific information on the hazards of chemicals to which employees may be exposed in the workplace. As required by law, your employer must provide you with certain information and training. A brief summary of the law follows.

## HAZARDOUS CHEMICALS

Hazardous chemicals are any products or materials that present any physical or health hazards when used, unless they are exempted under the law. Some examples of more commonly used hazardous chemicals are fuels, cleaning products, solvents, many types of oils, compressed gases, many types of paints, pesticides, herbicides, refrigerants, laboratory chemicals, cement, welding rods, etc.

## WORKPLACE CHEMICAL LIST

Employers must develop a list of hazardous chemicals used or stored in the workplace in excess of 55 gallons or 500 pounds. This list shall be updated by the employer as necessary, but at least annually, and be made readily available for employees and their representatives on request.

## EMPLOYEE EDUCATION PROGRAM

Employers shall provide training to newly assigned employees before the employees work in a work area containing a hazardous chemical. Covered employees shall receive training from the employer on the hazards of the chemicals and on the measures they can take to protect themselves from those hazards. This training shall be repeated as needed, but at least whenever new hazards are introduced into the workplace or new information is received on the chemicals which are already present.

## SAFETY DATA SHEETS

Employees who may be exposed to hazardous chemicals shall be informed of the exposure by the employer and shall have ready access to the most current Safety Data Sheets (SDSs) or Material Safety Data Sheets (MSDSs) if an SDS is not available yet, which detail physical and health hazards and other pertinent information on those chemicals.

## LABELS

Employees shall not be required to work with hazardous chemicals from unlabeled containers except portable containers for immediate use, the contents of which are known to the user.

## EMPLOYEE RIGHTS

Employees have rights to:

- access copies of SDSs (or an MSDS if an SDS is not available yet)
- information on their chemical exposures
- receive training on chemical hazards
- receive appropriate protective equipment
- file complaints, assist inspectors, or testify against their employer

Employees may not be discharged or discriminated against in any manner for the exercise of any rights provided by this Act. A waiver of employee rights is void; an employer's request for such a waiver is a violation of the Act. Employees may file complaints with the Texas Department of State Health Services at the telephone numbers provided below.

**EMPLOYERS MAY BE SUBJECT TO ADMINISTRATIVE PENALTIES AND CIVIL OR CRIMINAL FINES RANGING FROM \$50 TO \$100,000 FOR EACH VIOLATION OF THIS ACT**

Further information may be obtained from:

Texas Department of State Health Services  
Consumer Protection Division  
Policy, Standards, & Quality Assurance Section  
Environmental Hazards Unit  
PO Box 149347, MC 1987  
Austin, TX 78714-9347



**TEXAS**  
Health and Human  
Services

(512) 834-6787

(800) 293-0753 (toll-free)

Fax: (512) 834-6726

E-mail: [TXHazComHelp@dshs.texas.gov](mailto:TXHazComHelp@dshs.texas.gov)

Website: [www.dshs.texas.gov/hazcom](http://www.dshs.texas.gov/hazcom)

**Texas Department of State  
Health Services**

Worker Right-To-Know Program  
Publication # 23-14173  
Revised 05/2018



# AVISO AL EMPLEADO

La Ley de Comunicación sobre Peligros de Texas, codificada como el capítulo 502 del Código de Salud y Seguridad de Texas, exige que los empleadores públicos le provean a los empleados información específica sobre los peligros de los químicos a los que los empleados podrían estar expuestos en el centro de trabajo. Según exige la ley, su empleador debe proveerle cierta información y capacitación. A continuación presentamos un breve resumen de la ley.

## QUÍMICOS PELIGROSOS

Los químicos peligrosos son cualquier producto o material que represente algún peligro físico o de salud al ser usado, a menos que este quede exento bajo la ley. Como ejemplos de químicos peligrosos más comúnmente usados están los combustibles, los productos de limpieza, los solventes, muchos tipos de aceite, los gases comprimidos, muchos tipos de pintura, los pesticidas, los herbicidas, los refrigerantes, los químicos de laboratorio, el cemento, las varillas de soldadura, etc.

## LISTA DE QUÍMICOS EN EL CENTRO DE TRABAJO

Los empleadores deben desarrollar una lista de los químicos peligrosos usados o almacenados en el centro de trabajo que sobrepasen los 55 galones o las 500 libras. El empleador debe renovar la lista de ser necesario, y al menos anualmente, y debe ponerla a fácil disposición de los empleados y de sus representantes al esta ser solicitada.

## PROGRAMA DE INSTRUCCIÓN DEL EMPLEADO

Los empleadores deben proveerle capacitación a los empleados recién asignados antes de que los empleados trabajen en un área de trabajo que contenga químicos peligrosos. Los empleados contemplados en la ley deben recibir capacitación del empleador sobre los peligros de los químicos y sobre las medidas que ellos mismos pueden tomar para protegerse de dichos peligros. La capacitación debe repetirse de ser necesario, y al menos cuando se introduzcan nuevos peligros en el centro de trabajo o se reciba nueva información sobre los químicos que ya están presentes.

## HOJAS DE DATOS DE SEGURIDAD

El empleador debe informar de la exposición a los empleados que pudieran estar expuestos a químicos peligrosos y ellos deben tener acceso fácil a las hojas de datos de seguridad (SDS) o las hojas de datos de seguridad del material (MSDS) más recientes si es que todavía no hay una SDS disponible, las cuales detallan los peligros físicos y de salud y cualquier otra información pertinente sobre dichos químicos.

## ETIQUETAS

No se requerirá que los empleados trabajen con químicos peligrosos provenientes de contenedores que no están etiquetados con excepción de los contenedores portátiles de uso inmediato, el contenido de los cuales el usuario conoce.

## DERECHOS DEL EMPLEADO

Los empleados tienen derecho a:

- acceder a copias de las SDS (o una MSDS si es que todavía no hay una SDS disponible)
- la información sobre sus exposiciones químicas
- recibir capacitación sobre los peligros químicos
- recibir el equipo protector apropiado
- presentar quejas, asistir a los inspectores y testificar en contra de su empleador

No se despedirá a los empleados ni se les discriminará de ninguna manera por ellos ejercer cualquiera de los derechos que esta ley estipula. Las renunciaciones de derechos del empleado no tienen ninguna validez; el que el empleador solicite ese tipo de renuncia infringe esta ley. Los empleados pueden presentar sus quejas ante el Departamento Estatal de Servicios de Salud de Texas llamando al teléfono sin costo provisto abajo.

**LOS EMPLEADORES PODRÍAN ESTAR SUJETOS A SANCIONES ADMINISTRATIVAS Y A MULTAS CIVILES O PENALES QUE VAN DESDE LOS \$50 HASTA LOS \$100,000 DÓLARES POR CADA INFRACCIÓN DE ESTA LEY**

Puede obtener mayor información en:

Texas Department of State Health Services  
Consumer Protection Division  
Policy, Standards, & Quality Assurance Section  
Environmental Hazards Unit  
PO Box 149347, MC 1987  
Austin, TX 78714-9347



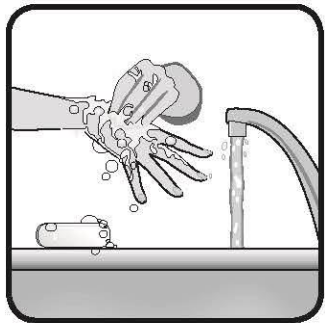
TEXAS  
Health and Human  
Services

Texas Department of State  
Health Services

(512) 834-6787  
(800) 293-0753 (llamada gratuita)  
Fax: (512) 834-6726  
E-mail: [TXHazComHelp@dshs.texas.gov](mailto:TXHazComHelp@dshs.texas.gov)  
Website: [www.dshs.texas.gov/hazcom](http://www.dshs.texas.gov/hazcom)

Worker Right-To-Know Program  
Publication # 23-14173A  
Revised 05/2018

# Getting Rid of Cleaning Products and Other Chemicals



**Local officials will tell you how to get rid of chemicals in your area.**

- Don't mix chemicals.
- Don't put chemicals down drains, sewers, or toilets.
- Don't burn chemicals.
- Wash your skin if you get chemicals on it.
- Take off your clothes and wash them if chemicals get on them.

**Call 911 if someone is hurt by chemicals.  
You can also call the poison control center  
at 1-800-222-1222.**

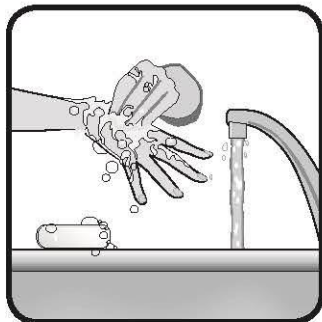
For more information on safe cleanup  
after a natural disaster, please visit:  
[www.cdc.gov/disasters/cleanup](http://www.cdc.gov/disasters/cleanup)



**U.S. Department of  
Health and Human Services**  
Centers for Disease  
Control and Prevention



# Cómo deshacerse de productos de limpieza y otros productos químicos



**Las autoridades locales le dirán cómo deshacerse de los productos químicos en su área.**

- No mezcle productos químicos.
- No arroje productos químicos por el desagüe, ni por la alcantarilla o el inodoro.
- No queme productos químicos.
- Lávese la piel si ha estado en contacto con un producto químico.
- Quítese la ropa y lávela si ha estado en contacto con un producto químico.

**Llame al 911 si alguien ha sido afectado por algún producto químico.**

**También puede llamar al centro de control de intoxicaciones al 1-800-222-1222.**

Para obtener más información sobre cómo limpiar en forma segura después de un desastre natural, visite:  
[www.cdc.gov/es/disasters/cleanup/index.html](http://www.cdc.gov/es/disasters/cleanup/index.html)












**U.S. Department of  
Health and Human Services**  
Centers for Disease  
Control and Prevention

## Hazard Communication Standard Pictogram

As of June 1, 2015, the Hazard Communication Standard (HCS) will require pictograms on labels to alert users of the chemical hazards to which they may be exposed. Each pictogram consists of a symbol on a white background framed within a red border and represents a distinct hazard(s). The pictogram on the label is determined by the chemical hazard classification.

### HCS Pictograms and Hazards

<b>Health Hazard</b>  <ul style="list-style-type: none"> <li>• Carcinogen</li> <li>• Mutagenicity</li> <li>• Reproductive Toxicity</li> <li>• Respiratory Sensitizer</li> <li>• Target Organ Toxicity</li> <li>• Aspiration Toxicity</li> </ul>	<b>Flame</b>  <ul style="list-style-type: none"> <li>• Flammables</li> <li>• Pyrophorics</li> <li>• Self-Heating</li> <li>• Emits Flammable Gas</li> <li>• Self-Reactives</li> <li>• Organic Peroxides</li> </ul>	<b>Exclamation Mark</b>  <ul style="list-style-type: none"> <li>• Irritant (skin and eye)</li> <li>• Skin Sensitizer</li> <li>• Acute Toxicity (harmful)</li> <li>• Narcotic Effects</li> <li>• Respiratory Tract Irritant</li> <li>• Hazardous to Ozone Layer (Non-Mandatory)</li> </ul>
<b>Gas Cylinder</b>  <ul style="list-style-type: none"> <li>• Gases Under Pressure</li> </ul>	<b>Corrosion</b>  <ul style="list-style-type: none"> <li>• Skin Corrosion/ Burns</li> <li>• Eye Damage</li> <li>• Corrosive to Metals</li> </ul>	<b>Exploding Bomb</b>  <ul style="list-style-type: none"> <li>• Explosives</li> <li>• Self-Reactives</li> <li>• Organic Peroxides</li> </ul>
<b>Flame Over Circle</b>  <ul style="list-style-type: none"> <li>• Oxidizers</li> </ul>	<b>Environment (Non-Mandatory)</b>  <ul style="list-style-type: none"> <li>• Aquatic Toxicity</li> </ul>	<b>Skull and Crossbones</b>  <ul style="list-style-type: none"> <li>• Acute Toxicity (fatal or toxic)</li> </ul>

For more information:



U.S. Department of Labor  
[www.osha.gov](http://www.osha.gov) (800) 321-OSHA (6742)

## Pictograma para la norma sobre la comunicación de peligros

A partir del 1.º de junio de 2015, la norma de comunicación de peligros (HCS, por sus siglas en inglés) exigirá pictogramas en las etiquetas para advertir a los usuarios de los peligros químicos a los que puedan estar expuestos. Cada pictograma representa un peligro definido y consiste en un símbolo sobre un fondo blanco enmarcado con un borde rojo. La clasificación del peligro químico determina el pictograma que muestra la etiqueta.

### Pictogramas y peligros según la HCS

<b>Peligro para la salud</b>  <ul style="list-style-type: none"> <li>• Carcinógeno</li> <li>• Mutagenicidad</li> <li>• Toxicidad para la reproducción</li> <li>• Sensibilización respiratoria</li> <li>• Toxicidad específica de órganos diana</li> <li>• Peligro por aspiración</li> </ul>	<b>Llama</b>  <ul style="list-style-type: none"> <li>• Inflamables</li> <li>• Pirofóricos</li> <li>• Calentamiento espontáneo</li> <li>• Desprenden gases inflamables</li> <li>• Reaccionan espontáneamente (autorreactivos)</li> <li>• Peróxidos orgánicos</li> </ul>	<b>Signo de exclamación</b>  <ul style="list-style-type: none"> <li>• Irritante (piel y ojos)</li> <li>• Sensibilizador cutáneo</li> <li>• Toxicidad aguda (daño)</li> <li>• Efecto narcótico</li> <li>• Irritante de vías respiratorias</li> <li>• Peligros para la capa de ozono (no obligatorio)</li> </ul>
<b>Botella de gas</b>  <ul style="list-style-type: none"> <li>• Gases a presión</li> </ul>	<b>Corrosión</b>  <ul style="list-style-type: none"> <li>• Corrosión o quemaduras cutáneas</li> <li>• Lesión ocular</li> <li>• Corrosivo para los metales</li> </ul>	<b>Bomba explotando</b>  <ul style="list-style-type: none"> <li>• Explosivos</li> <li>• Reaccionan espontáneamente (autorreactivos)</li> <li>• Peróxidos orgánicos</li> </ul>
<b>Llama sobre círculo</b>  <ul style="list-style-type: none"> <li>• Comburentes</li> </ul>	<b>Medio ambiente (No obligatorio)</b>  <ul style="list-style-type: none"> <li>• Toxicidad acuática</li> </ul>	<b>Calavera y tibias cruzadas</b>  <ul style="list-style-type: none"> <li>• Toxicidad aguda (mortal o tóxica)</li> </ul>

Para más información:



Departamento de Trabajo de los EE. UU.  
[www.osha.gov](http://www.osha.gov) (800) 321-OSHA (6742)





## Hazard Communication Safety Data Sheets

The Hazard Communication Standard (HCS) requires chemical manufacturers, distributors, or importers to provide Safety Data Sheets (SDSs) (formerly known as Material Safety Data Sheets or MSDSs) to communicate the hazards of hazardous chemical products. As of June 1, 2015, the HCS will require new SDSs to be in a uniform format, and include the section numbers, the headings, and associated information under the headings below:

**Section 1, Identification** includes product identifier; manufacturer or distributor name, address, phone number; emergency phone number; recommended use; restrictions on use.

**Section 2, Hazard(s) identification** includes all hazards regarding the chemical; required label elements.

**Section 3, Composition/information on ingredients** includes information on chemical ingredients; trade secret claims.

**Section 4, First-aid measures** includes important symptoms/effects, acute, delayed; required treatment.

**Section 5, Fire-fighting measures** lists suitable extinguishing techniques, equipment; chemical hazards from fire.

**Section 6, Accidental release measures** lists emergency procedures; protective equipment; proper methods of containment and cleanup.

**Section 7, Handling and storage** lists precautions for safe handling and storage, including incompatibilities.

*(Continued on other side)*

For more information:



U.S. Department of Labor

[www.osha.gov](http://www.osha.gov) (800) 321-OSHA (6742)

OSHA 3493-02-2012



## Hazard Communication Safety Data Sheets

**Section 8, Exposure controls/personal protection** lists OSHA's Permissible Exposure Limits (PELs); Threshold Limit Values (TLVs); appropriate engineering controls; personal protective equipment (PPE).

**Section 9, Physical and chemical properties** lists the chemical's characteristics.

**Section 10, Stability and reactivity** lists chemical stability and possibility of hazardous reactions.

**Section 11, Toxicological information** includes routes of exposure; related symptoms, acute and chronic effects; numerical measures of toxicity.

Section 12, Ecological information\*

Section 13, Disposal considerations\*

Section 14, Transport information\*

Section 15, Regulatory information\*

**Section 16, Other information**, includes the date of preparation or last revision.

\*Note: Since other Agencies regulate this information, OSHA will not be enforcing Sections 12 through 15 (29 CFR 1910.1200(g)(2)).

**Employers must ensure that SDSs are readily accessible to employees.**

See Appendix D of 29 CFR 1910.1200 for a detailed description of SDS contents.

For more information:




U.S. Department of Labor

[www.osha.gov](http://www.osha.gov) (800) 321-OSHA (6742)

OSHA 3493-02-2012

# Hazardous Materials Safety Guide

CLASS	STORAGE	HAZARD	PPEs
 <b>Flammable</b>	Segregate Storage	Ignite Easily and Burn Rapidly	   Lab Coat   Safety Gloves   Safety Glasses
 <b>Corrosive</b>	Store Away From Flammable, Reactives and Health Hazards	Causes Tissue Damage on Contact	   Lab Coat   Safety Gloves   Goggles
 <b>Reactive</b>	Store Away From Corrosives, Health Hazards and Flammables Hazards	Reacts Violently with Air, Water and Other Substances	   Lab Coat   Safety Gloves   Safety Glasses
 <b>Health Hazard</b>	Secure Storage in Well Ventilated Stockroom	Toxic if Inhaled, Ingested or Absorbed Through The Skin	    Lab Coat   Safety Gloves   Safety Glasses   Vent Hood
<b>Non Hazardous</b>	Secure Storage in Well Ventilated Stockroom	Presents No More Than a Moderate Hazard	Supervisor's Discretion
 <b>Particularly Hazardous Substances</b>	Carcinogens, Highly Toxic Chemical, and Reproductive Toxins Require Special Precautions. <ul style="list-style-type: none"> <li>• Develop Standard Operating Procedures (SOPs).</li> <li>• Establish a Designated Work Area.</li> <li>• Use PPEs and Fume Hoods to Control Exposure.</li> <li>• Establish Decontamination and Emergency Response Procedures.</li> </ul>		