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# PURPOSE

This standard establishes the minimum requirements necessary for the safe use and proper storage of hazardous chemicals and materials.

# SCOPE

The provisions of this standard apply to all TI employees, suppliers, vendors, and visitors at TI sites worldwide.

# reference documents

## TI Standard Policy and Procedure (SP&P) 04-04-01: "Environmental, Health and Safety"

## TI ESH Specification 03.01C, "Hazard Communication and Chemical Labeling"

## TI ESH Specification 03.01F, “Exhaust of Chemicals and Particulates”

## TI ESH Standard 12.01, “Fire Protection”

## TI ESH Standard ENV04.01, “Hazardous Waste Management”

# Definitions

[TI ESH Standards Glossary of Definitions](https://sps01.itg.ti.com/sites/wwf/esh/standards/Knowledge_Bank/00.01.xlsx)

# Requirements

## General Requirements

### Hazardous chemicals and materials shall not be delivered as follows:

#### Through employee entrances (e.g., employee lobbies or entrances, etc.), except in circumstances that the non-mfg location does not have a chemical dock. In these circumstances, materials must be declared to the lobby receptionist and be pre-approved by ESH.

#### On personnel transport elevators, and

#### To areas that are not designated or approved as chemical acceptance, transport or use locations.

### Hazardous chemicals and materials shall not be transported in employees’ private vehicles.

### Sites shall provide appropriate material handling equipment and facilities to safely handle and move containers.

### Food and drink are prohibited in areas where hazardous chemicals and materials are used, handled, stored or located.

### Hazardous chemicals and materials shall be used in accordance with the manufacturer’s intended use or specifications.

### Hazardous chemicals and material waste shall be properly managed in accordance with TI ESH Standard ENV04.01 “Hazardous Waste Management.”

### Personnel who use or handle hazardous chemicals and materials shall be trained in accordance with TI ESH Specification 03.01C “Hazard Communication and Chemical Labeling.”

### Exhaust ventilation shall be utilized to remove chemical vapors, mists and fumes from work areas, storage areas or rooms where hazardous chemicals and materials are used, handled, stored or located.

#### Exhaust systems shall be operated and tested in accordance with TI ESH Specification 03.01F “Exhaust of Chemicals and Particulates”.

### Mechanical (closed-loop) chemical distribution and piping systems shall be the primary means utilized to transport and drain hazardous chemicals and materials.

### Hazardous chemical and material distribution systems shall be equipped with excess flow control and pressure relief, which vents to an appropriate and properly contained discharge point (drain exhaust, etc.), as necessary.

### Equipment or systems that use, handle (e.g. distribute) or store hazardous chemicals and materials shall be of compatible materials or construction.

### Rooms, areas and equipment that use, handle or store hazardous chemicals and materials shall have fire protection installed in accordance with TI ESH Standard 12.01 “Fire Protection.”

### The quantities of hazardous chemicals and materials at the sites shall be less than the maximum allowable amounts approved by the local laws, codes and regulations.

### The appropriate operational permits, as required by local laws, codes and regulations that allow the use of hazardous chemicals and materials shall be acquired and maintained by the site.

## Chemical Receiving Areas

### Hazardous chemicals and materials, including supplier or small samples, shall be received against a formal receipt order.

### Sites shall develop procedures outlining circumstances for when dock personnel are to refuse shipments of hazardous chemicals and materials

# STANDARD Approval

This standard has been approved by David Thomas, TI Vice President.

# Revision history

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Rev#** | **Date** | **Nature of Revision** | **Author/Editor** | **Approver** |
| A | 04/15/2003 | Major Periodic Review | James Gordon |  |
| B | 12/22/2006 | Major Periodic Review; removed written program requirements; removed duplicate requirements. | Mike Alton |  |
| C | 12/12/2007 | Minor revision: Section 3.1.h – added reference to TI ESH Specification 03.01F which was inadvertently omitted. | John Willis |  |
| D | 06/12/2013 | Reformatted document. | Mike Alton | ELC |
| E | 9/14/16 | Reviewed with no changes | Michele Smtih | ELC |