

# Chemical Reporting Using New Federal Hazard Categories

## AS OF 2018, INVENTORY IN CERS MUST REFERENCE 24 NEW FEDERAL HAZARD CATEGORIES

US EPA asked individual states to make the 24 new categories available to business users **by January 1, 2018**.

**Facilities subject to Tier II EPCRA chemical inventory reporting must submit in CERS by March 1, 2018.**

| Federal Hazard Categories Adopted by U.S. EPA<br>(40 CFR part 370.66) |                   |   |  |
|---|-------------------|---|--|
| Existing Categories<br>(CERS Data Fields 216a-216e)                   |                   | NEW Categories<br>(New CERS Data Fields 216f-216cc)   |  |
| PHYSICAL  | HEALTH HAZARD     | PHYSICAL  | HEALTH HAZARD  |
| Fire  | Acute (Immediate) | Flammable<br>(gases, aerosols,<br>liquids, or solids) | Carcinogenicity  |
| Reactive  | Chronic (Delayed) | Gas under pressure<br>(compressed gas)                | Acute toxicity (any route of<br>exposure)                          |
| Sudden release<br>of pressure   |                   | Explosive   | Reproductive toxicity  |
|   |                   | Self-heating  | Skin corrosion or irritation                                       |
|   |                   | Pyrophoric (liquid or<br>solid)                       | Respiratory or skin<br>sensitization                               |
|   |                   | Oxidizer (liquid, solid or<br>gas)                    | Serious eye damage or eye<br>irritation                            |
|   |                   | Organic peroxide                                      | Specific target organ<br>toxicity (single or repeated<br>exposure) |
|   |                   | Self-reactive   | Aspiration Hazard  |
|   |                   | Pyrophoric gas  | Germ cell mutagenicity   |
|   |                   | Corrosive to metal                                    | Simple asphyxiant  |
|   |                   | In contact with water<br>emits flammable gas          | Hazard Not Otherwise<br>Classified (HNOC)                          |
|   |                   | Combustible dust                                      |  |
|   |                   | Hazard Not Otherwise<br>Classified (HNOC)             |  |

### WHAT CHANGED AT THE FEDERAL LEVEL?

In 2016, US EPA amended the hazardous chemical reporting regulations to incorporate Fed OSHA's Global Harmonizing System (GHS) for chemical classification.

### WHAT CHANGED IN CERS INVENTORY?

Replaced 5 existing federal hazard categories for chemical reporting with 24 NEW Physical and Health categories.

### WHAT IS THE BENEFIT?

- Greater clarification and consistency for emergency planning and response.
- Eliminates duplicate reporting when the EPCRA reporting requirements apply.

### SUPPORTING DOCUMENTATION:

[Background \(CalEPA\)](#)

[CERS Central Business Guidance](#)

## I HAVE A CURRENT HMBP IN CERS, HOW DO I REVISE/UPDATE IT AND RESUBMIT IN CERS?

### QUICK STEPS: PREPARE A DRAFT SUBMITTAL & RESUBMIT WITH REVISED INVENTORY

- Log into [CERS Business Portal](#) & click [Start / Edit Submittal](#) → [Create All HMBP Submittal Elements](#) → [Confirm](#)
- Click the Back button on your browser -or- click on "Draft Submittal" [Home](#) » [Draft Submittal](#) » [Submittal Summary](#)
- Click on [Hazardous Material Inventory](#)
- For each of the items in your inventory, click [Edit](#) and follow the steps below. After they're all updated, click [Done](#)
- Click any of the [Submit](#) buttons. Make sure you're including 3 sections if you're re-certifying your HMBP.
- If you've added/removed inventory or documents, click [Add Comment To Regulator](#) to indicate what changed for faster processing.
- Click [Submit Selected Elements](#) Print a copy or save a pdf to keep on site. HMBPs & Plans need to be available for inspection & emergencies.

### HOW TO REVIEW & UPDATE CHEMICAL HAZARD CLASSIFICATION SECTION FOR EACH INVENTORY ITEM

#### 1 DESELECT OBSOLETE CATEGORIES

Federal Hazard Categories

☒ ☐ Fire ( Obsolete )

☐ ☐ Reactive ( Obsolete )

☒ ☐ Pressure Release ( Obsolete )

☐ ☐ Acute Health ( Obsolete )



☐ ☐ Chronic Health ( Obsolete )

#### 2 USE SDS TO DETERMINE NEW FEDERAL HAZARD CATEGORIES

##### Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Com (29 CFR 1910.1200).

Classification of the substance or mixture : FLAMMABLE GASES - Category 1  
GASES UNDER PRESSURE - Liquefied gas

GHS label elements :  

Signal word : Danger

Hazard statements : Extremely flammable gas.  
Contains gas under pressure; may explode if heated.  
May cause frostbite.  
May form explosive mixtures in Air.  
May displace oxygen and cause rapid suffocation.

#### 3 CHECK ALL THAT APPLY HERE

Federal Hazard Categories

☐ ☒ PHYSICAL: Flammable

☐ ☒ PHYSICAL: Gas Under Pressure

☐ ☒ PHYSICAL: Explosive

☐ ☐ PHYSICAL: Self-heating

☐ ☐ PHYSICAL: Pyrophoric

☐ ☐ PHYSICAL: Oxidizer

☐ ☐ PHYSICAL: Organic Peroxide

☐ ☐ PHYSICAL: Self-reactive

☐ ☐ PHYSICAL: Pyrophoric Gas

☐ ☐ PHYSICAL: Corrosive to Metal

☐ ☐ PHYSICAL: In Contact with Water Emits Flammable Gas

☐ ☐ PHYSICAL: Combustible Dust

☐ ☐ PHYSICAL: Hazard Not Otherwise Classified (HNOC)

☐ ☐ HEALTH: Carcinogenicity

☐ ☐ HEALTH: Acute Toxicity

☐ ☐ HEALTH: Reproductive Toxicity

☐ ☐ HEALTH: Skin Corrosion or Irritation

☐ ☐ HEALTH: Respiratory or Skin Sensitization

☐ ☐ HEALTH: Serious Eye Damage or Eye Irritation

☐ ☐ HEALTH: Specific Target Organ Toxicity

☐ ☐ HEALTH: Aspiration Hazard

☐ ☐ HEALTH: Germ Cell Mutagenicity

☒ ☐ HEALTH: Simple Asphyxiant

☐ ☐ HEALTH: Hazard Not Otherwise Classified (HNOC)

#### 4 Save

### HAZARDOUS MATERIALS

- Review section 2 of the SDS for physical/ health hazards listed, statements, or corresponding [pictograms](#)

### HAZARDOUS WASTE

- What are the hazardous characteristics of the waste stream being reported?
- What contaminants are in the waste?
- Is there a similar SDS?
- Is it a RCRA listed waste?
- What are the hazards associated with the waste code?

### SHARPS/RED BAG/MEDICAL WASTE

- ☒ HEALTH: Hazard Not Otherwise Classified (HNOC)