

Chemical Hazard Classification

New Federal Hazard Categories

As of December 28, 2017, CalEPA has replaced the existing five(5) federal hazard categories available in CERS used for the completion of chemical inventories as part of the annual hazardous materials business submittal with twenty-four (24) new federal hazard categories adopted by the United States Environmental Protection Agency (U.S. EPA) as a result of changes to the Operational Safety and Health Administration (OSHA) Hazard Communication Standard (HCS).

- Instructions on how to correct warnings signs





Warning Signs – Hazardous Materials Inventory

If your CERS submittal for Inventory has warning sign for inventory entered, your submittal (s) will be placed as “Not Accepted” in CERS. See sample below with Comment, log back into CERS and Start/Edit Inventory and correct.

Hazardous Materials Inventory

Not Accepted Jan. 23, 2018

[Set Submittal Status](#)

Submitted for CERS ID on 1/1/2018 6:53PM by of

Submittal was **Not Accepted** on 1/23/2018 by for [Los Angeles County Fire Department](#)

Comments by regulator: 1) Your hazardous materials inventory was not accepted in CERS based on failure to check the applicable new Federal Hazard Categories (24) on your reported chemical(s). Please review all Warning Signs, and or Required Fields, update as necessary, and resubmit. If you have any questions please call Data Operations Unit at (323)890-4000 2) Missing information; please provide complete information of the Average Daily Amount for: Ethylene Glycol and Largest for LPG edit and resubmit If you have any questions please contact the Data Operations Unit at 323-890-4000.

[Hazardous Material Inventory_ \(3\)](#)

[Site Map \(Official Use Only\): Upload Document\(s\)](#)

Chemical Hazard Classification

EHS 

Yes No


Radioactive


Yes No

Curies

Fire Code Hazard Classes (by priority)

[View/Edit Additional Firecodes](#)

DOT Hazard Class 

2.2 - Nonflammable Gases 

State Waste Code 

[Lookup Code](#)

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)



Newly added inventory will show the 24 federal hazard categories on the left side of screen.

From you SDS

Check what applies under

Section 2 Hazardous Identification
Classification of the Substance or Mixture



Warning Signs – Hazardous Materials Inventory

Hazardous Materials Inventory

DRAFT Dec. 29, 2017

Submit

[Hazardous Material Inventory \(7\)](#) Add Material

Ready to Submit with warnings

Discard

[Site Map \(Official Use Only\): Upload Document\(s\)](#)

Ready to Submit

Edit

Discard

[Discard Draft Submittal](#) [Miscellaneous State-Required Documents](#) [Add Comment To Regulator](#)

Unified Program Local Reporting Requirements for Los Angeles County Fire Department

Regulated facilities in the City of **Monrovia** are additionally required to report quantities of hazardous materials equal to or more than the state thresholds or the California Fire Code permit amounts, whichever is lower. (CFC chapter 105 and section 2701.5.2).

Regulated facilities in the City of **Pasadena** are additionally required to report any quantity of hazardous material (PMC 8.80.010)



Above is what you may see on your screen, after you have clicked Save/Done.



Below click Edit button (to the left) to correct the warning signs (if any).

Hazardous Materials Inventory (7) ⚠

Draft Dec. 29, 2017

Add Material

Add Site Map

Done

Only show materials with errors/warnings

	Common Name	CAS	Location	Max Daily Amount	
Edit	oxygen ⚠ 🖨		west end of warehouse	100,000 gallons	Discard
Edit	Diesel Fuel ⚠ 🖨	68334-30-5		10,000 gallons	Discard
Edit	Ethylene Glycol ⚠ 🖨	107-21-1		1,000 gallons	Discard

Submittal Guidance

All (4) ● Required (0) ▲ Warning (4) i Advisory (0)

Warning guidance let you know of issues that probably apply to you, but are not required to resolve before submitting the **Hazardous Materials Inventory** submittal element.

- ▲ Data Element Code "Other Health Hazard" for Data Element "Hazard Class 4", material "OXYGEN", location "RACK & CARTS IN WELDING SHP" is obsolete. Obsolete Data Element Codes should be updated and/or replaced with valid Data Element Codes before submitting your inventory.
- ▲ Data Element "Federal Hazard Category = Fire" for material "OXYGEN", location "RACK & CARTS IN WELDING SHP" is obsolete. Obsolete Data Elements should be updated and/or replaced with valid Data Elements before submitting your inventory.
- ▲ Data Element "Federal Hazard Category = Pressure Release" for material "OXYGEN", location "RACK & CARTS IN WELDING SHP" is obsolete. Obsolete Data Elements should be updated and/or replaced with valid Data Elements before submitting your inventory.
- ▲ Data Element "Federal Hazard Category = Reactive" for material "OXYGEN", location "RACK & CARTS IN WELDING SHP" is obsolete. Obsolete Data Elements should be updated and/or replaced with valid Data Elements before submitting your inventory.

Discard

Save

Cancel

Chemical Identification and Physical Properties

Chemical Name

OXYGEN

CERS Chemical Library ID

CCL-102531

Common Name

OXYGEN

CAS Number

7782-44-7

US EPA SRS ID

Physical State

Solid Liquid Gas

Hazardous Material Type

Pure Mixture Waste

Trade Secret

Yes No

Chemical Hazard Classification

EHS

Yes No

Radioactive

Yes No

Curies

0

Fire Code Hazard Classes (by priority)

Highly Toxic

Corrosive

[View/Edit Additional Firecodes](#)

DOT Hazard Class

6.1 - Toxic Substances

State Waste Code

Federal Hazard Categories

- Fire (Obsolete)
- Reactive (Obsolete)
- Pressure Release (Obsolete)
- Acute Health (Obsolete)

Federal Hazard Categories

- PHYSICAL: Flammable
- PHYSICAL: Gas Under Pressure
- PHYSICAL: Explosive
- PHYSICAL: Self-heating

Click on the "View/Edit Additional Fire codes" to verify there are no other obsolete codes to clear/edit.

Click here

Steps on pages 5 thru 9 on how to correct warning signs

Discard

Save

Cancel

Chemical Identification and Physical Properties

Chemical Name

OXYGEN

CERS Chemical Library ID

CCL-102531

Common Name

OXYGEN

CAS Number

7782-44-7

US EPA SRS ID

Physical State

Solid Liquid Gas

Hazardous Material Type

Pure Mixture Waste

Trade Secret

Yes No

Chemical Hazard Classification

EHS

Yes No

Radioactive

Yes No

Curies

0

Fire Code Hazard Classes (by priority)

- Highly Toxic ▼
- ▼
- Corrosive ▼
- Other Health Hazard (Obsolete) ▼
- ▼
- ▼
- ▼
- ▼

DOT Hazard Class

6.1 - Toxic Substances ▼

If any fire codes indicate Other Health Hazard (Obsolete), use the drop down to clear.



Below 2 warning signs that need to be corrected (example).

All (2) ● Required (0) ▲ Warning (2) i Advisory (0)

Warning guidance let you know of issues that probably apply to you, but are not required to resolve before submitting the Hazardous Materials Inventory submittal element.

▲ Data Element "Federal Hazard Category = Fire" for material "Oxygen", location "north east corner" is obsolete. Obsolete Data Elements should be updated and/or replaced with valid Data Elements before submitting your inventory.

▲ Data Element "Federal Hazard Category = Pressure Release" for material "Oxygen", location "north east corner" is obsolete. Obsolete Data Elements should be updated and/or replaced with valid Data Elements before submitting your inventory.



Edit Cancel

Chemical Identification and Physical Properties

Chemical Name	Oxygen	CERS Chemical Library ID	-
Common Name	CAS Number	US EPA SRS ID	7782-44-7 154302
Physical State	Hazardous Material Type	Trade Secret	Gas Pure
			-

Chemical Hazard Classification

EHS	Fire Code Hazard Classes (by priority)	DOT Hazard Class	No PHYSICAL: Flammable
No	Highly Toxic	6.1 - Toxic Substances	No PHYSICAL: Gas Under Pressure
Radioactive	-	State Waste Code	No PHYSICAL: Explosive
No	-	-	No PHYSICAL: Self-heating
Curies	-	Lookup Code	No PHYSICAL: Pyrophoric
-	-		No PHYSICAL: Oxidizer
Federal Hazard Categories			No PHYSICAL: Organic Peroxide
Yes Fire (Obsolete)			No PHYSICAL: Self-reactive
No Reactive (Obsolete)			No PHYSICAL: Pyrophoric Gas
Yes Pressure Release (Obsolete)			No PHYSICAL: Corrosive to Metal
No Acute Health (Obsolete)			No PHYSICAL: In Contact with Water Emits Flammable Gas
No Chronic Health (Obsolete)			No PHYSICAL: Combustible Dust
			No PHYSICAL: Hazard Not Otherwise Classified (HNOC)

Chemical Hazard Classification

EHS

Yes No

Radioactive

Yes No

Curies

Fire Code Hazard Classes (by priority)

Combustible Liquid, Class II	▼
	▼
	▼
	▼
	▼
	▼
	▼

DOT Hazard Class

3 - Flammable and Combustible Liquids

State Waste Code

[Lookup Code](#)

Federal Hazard Categories

Fire (Obsolete)

Reactive (Obsolete)

Pressure Release (Obsolete)

Acute Health (Obsolete)

Chronic Health (Obsolete)

Federal Hazard Categories

PHYSICAL: Flammable

PHYSICAL: Gas Under Pressure

PHYSICAL: Explosive

PHYSICAL: Self-heating

PHYSICAL: Pyrophoric

PHYSICAL: Oxidizer

PHYSICAL: Organic Peroxide

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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)

Five (5) obsolete categories

Note: You will only see these 5 categories if your inventory was submitted prior to 2018.

The obsolete categories (5) have been replaced with the 24 new federal hazard categories adopted by EPA (Environmental Protection Agency). Using your Safety Data Sheet (SDS) provided to you by your chemical distributor, locate

Section 2 titled “ Hazards Identification” Classification of the Substance or Mixture:

Check what corresponds according to your SDS.

Note: Please contact distributor for SDS if not provided with Hazardous Materials.

Chemical Hazard Classification

EHS

Yes No

Radioactive

Yes No

Curies

Fire Code Hazard Classes (by priority)

Highly Toxic ▼

▼

▼

[View/Edit Additional Firecodes](#)

DOT Hazard Class

6.1 - Toxic Substances ▼

State Waste Code

[Lookup Code](#)

Federal Hazard Categories

Fire (Obsolete)

Reactive (Obsolete)

Pressure Release (Obsolete)

Acute Health (Obsolete)

Chronic Health (Obsolete)

Check what
applies here

Federal Hazard Categories

PHYSICAL: Flammable

PHYSICAL: Gas Under Pressure

PHYSICAL: Explosive

PHYSICAL: Self-heating

PHYSICAL: Pyrophoric

PHYSICAL: Oxidizer

PHYSICAL: Organic Peroxide

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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)

Uncheck all

- Once your inventory has been corrected you should have no warning signs showing up on your inventory.
- If you have questions contact the Data Operations Unit at 323-890-4000.