



New Federal Hazard Categories CERS Reporting Guidance

As of March 1, 2018, US EPA requires the use of twenty-four new federal hazard categories for hazardous material inventory reporting. The federal hazard categories were selected prior to 2018 are obsolete and shall be corrected. The table below lists the obsolete and the new federal hazard categories. Section 2 of the Safety Data Sheet (SDS) lists the appropriate new hazard categories for chemical reporting.

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



What does this mean for Hazardous Material Inventory CERS Reporting?

If you have noticed a yellow triangle like the one you see below, you may need to make some adjustments to your submittal.

The screenshot shows the 'Hazardous Materials Inventory' interface. At the top, there are navigation links for 'Inventory Actions' (Upload, Download, Search) and 'Inventory Reports' (CERS Chemical Library). A search box for 'Current Facility's Inventory' is also present. Below this is a header for 'Hazardous Materials Inventory (4)' with a yellow warning triangle icon. A table lists materials: Gasoline, Propane, Ammonia, and Oxygen Gas. The 'Gasoline' row has a yellow warning triangle next to its name. Below the table are buttons for 'Validate My Inventory', 'HMIS Matrix Report', and 'Export To Excel'. The footer shows 'Version 3.04.0005 | Enhancements | CERS Central' and 'Diagnostics | Conditions of Use | Privacy Policy | Contact | Help'.

For more information about the warning, you can click on the triangle to view a warning message. If it says you have obsolete data elements, they need to be removed and replaced with the current standards for Hazardous Material Inventory.

This screenshot shows a dialog box titled 'Hazardous Material Inventory Guidance Messages'. It displays a list of messages with warning icons. The messages are:

- Data Element "Federal Hazard Category = Acute Health" for material "Gasoline", location "" is obsolete. Obsolete Data Elements should be updated and/or replaced with valid Data Elements before submitting your inventory.
- Data Element "Federal Hazard Category = Chronic Health" for material "Gasoline", location "" is obsolete. Obsolete Data Elements should be updated and/or replaced with valid Data Elements before submitting your inventory.
- Data Element "Federal Hazard Category = Fire" for material "Gasoline", location "" is obsolete. Obsolete Data Elements should be updated and/or replaced with valid Data Elements before submitting your inventory.

 The dialog also shows a filter bar with 'All (3)', 'Required (0)', 'Warning (3)', and 'Advisory (0)'. At the bottom, it indicates '1 - 3 of 3 items' and has a 'Close' button. The background shows the same inventory interface as the previous screenshot.



How do I fix the obsolete Hazard Categories warning?

There are two ways to approach this issue.

Option One:

- I. Add the same chemical(s) with “warning” again from the chemical library and delete the existing. This works on most standard chemicals. The CERS chemical library will have the updated section of the current federal hazard categories.

Inventory Actions

- Upload Inventory
- Download Inventory
- Search Facility's Inventory
- Inventory Reports
- CERS Chemical Library

Search Current Facility's Inventory [Hide Search](#)

Material Name

Location

CAS Number

Hazardous Materials Inventory (4) ▲ Draft Apr. 17, 2017

Only show materials with errors/warnings

	Common Name	CAS	Location	Max Daily Amount	
<input type="button" value="Edit"/>	Gasoline ⚠️ 📄	86290-81-5		100 gallons	<input type="button" value="Discard"/>
<input type="button" value="Edit"/>	Propane 📄	74-98-6		500 cubic feet	<input type="button" value="Discard"/>
<input type="button" value="Edit"/>	Ammonia 📄	7664-41-7		5,000 pounds	<input type="button" value="Discard"/>
<input type="button" value="Edit"/>	Oxygen Gas 📄	7782-44-7		50 pounds	<input type="button" value="Discard"/>

◀ 1 ▶ 10 Items per page 1 - 4 of 4 items

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By discarding the chemical and adding it again, most of the chemicals in the chemical library will automatically fill out the Chemical Hazard Classification. If the fields are not automatically filled out, use the SDS to help you complete the hazard classification.



Chemical Identification and Physical Properties

Chemical Name Gasoline	CERS Chemical Library ID -	
Common Name Gasoline	CAS Number 86290-81-5	US EPA SRS ID 599746
Physical State <input type="radio"/> Solid <input checked="" type="radio"/> Liquid <input type="radio"/> Gas	Hazardous Material Type <input checked="" type="radio"/> Pure <input type="radio"/> Mixture <input type="radio"/> Waste	Trade Secret <input type="radio"/> Yes <input type="radio"/> No

Chemical Hazard Classification

EHS <input type="radio"/> Yes <input checked="" type="radio"/> No	Fire Code Hazard Classes (by priority) Flammable Liquid, Class I-B	DOT Hazard Class 3 - Flammable and Combustible Liquids
Radioactive <input type="radio"/> Yes <input checked="" type="radio"/> No		State Waste Code <input type="text"/> Lookup Code
Curies <input type="text"/>	View/Edit Additional Firecodes	

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)



- II. Check the CAS numbers and verify they are the same number. Discard the chemical with the obsolete hazardous material warning.

Inventory Actions
[Upload Inventory](#) [Inventory Reports](#)
[Download Inventory](#) [CERS Chemical Library](#)
[Search Facility's Inventory](#)

Search Current Facility's Inventory [Hide Search](#)
Material Name:
Location:
CAS Number:

Hazardous Materials Inventory (5) Draft Apr. 17, 2020

Only show materials with errors/warnings

	Common Name	CAS	Location	Max Daily Amount	
<input type="button" value="Edit"/>	Gasoline	86290-81-5		100 gallons	<input type="button" value="Discard"/>
<input type="button" value="Edit"/>	Propane	74-98-6		500 cubic feet	<input type="button" value="Discard"/>
<input type="button" value="Edit"/>	Ammonia	7664-41-7		5,000 pounds	<input type="button" value="Discard"/>
<input type="button" value="Edit"/>	Oxygen Gas	7782-44-7		50 pounds	<input type="button" value="Discard"/>
<input type="button" value="Edit"/>	Gasoline	86290-81-5		100 gallons	<input type="button" value="Discard"/>

10 items per page 1 - 5 of 5 items

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Inventory Actions
[Upload Inventory](#) [Inventory Reports](#)
[Download Inventory](#) [CERS Chemical Library](#)
[Search Facility's Inventory](#)

Search Current Facility's Inventory [Hide Search](#)
Material Name:
Location:
CAS Number:

Hazardous Materials Inventory (4) Draft Apr. 17, 2020

Only show materials with errors/warnings

	Common Name	CAS	Location	Max Daily Amount	
<input type="button" value="Edit"/>	Propane	74-98-6		500 cubic feet	<input type="button" value="Discard"/>
<input type="button" value="Edit"/>	Ammonia	7664-41-7		5,000 pounds	<input type="button" value="Discard"/>
<input type="button" value="Edit"/>	Oxygen Gas	7782-44-7		50 pounds	<input type="button" value="Discard"/>
<input type="button" value="Edit"/>	Gasoline	86290-81-5		100 gallons	<input type="button" value="Discard"/>

10 items per page 1 - 4 of 4 items

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As you see above, we added the gasoline back into the inventory without any obsolete elements or warning notification icon (a yellow triangle).



III. Enter the other required fields, save, and submit.

Option Two:

Manually edit each obsolete element.

I. Click the edit button on the chemical with the obsolete element.

Inventory Actions
Upload Inventory Inventory Reports
Download Inventory CERS Chemical Library
Search Facility's Inventory

Search Current Facility's Inventory [Hide Search](#)
Material Name
Location
CAS Number

Hazardous Materials Inventory (4) ⚠ Draft Apr. 17, 2020

Only show materials with errors/warnings

	Common Name	CAS	Location	Max Daily Amount	
<input type="button" value="Edit"/>	Gasoline ⚠	86290-81-5		100 gallons	<input type="button" value="Discard"/>
<input type="button" value="Edit"/>	Propane	74-98-6		500 cubic feet	<input type="button" value="Discard"/>
<input type="button" value="Edit"/>	Ammonia	7664-41-7		5,000 pounds	<input type="button" value="Discard"/>
<input type="button" value="Edit"/>	Oxygen Gas	7782-44-7		50 pounds	<input type="button" value="Discard"/>

10 items per page 1 - 4 of 4 items

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- II. Deselect the Obsolete Federal Hazard Categories check marks on the left side to remove them.
- III. Select the appropriate Federal Hazard Categories on the right side of the page to choose the hazards associated with the chemical. By using the Chemicals SDS as a guide, you can select from the 24 New Federal Hazard Categories.

Chemical Hazard Classification

EHS [?]
 Yes No

Radioactive
 Yes No

Curies

Fire Code Hazard Classes (by priority)
Flammable Liquid, Class I-B

[View/Edit Additional Firecodes](#)

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
 PHYSICAL: Self-reactive
 PHYSICAL: Pyrophoric Gas
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 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)

Use the SDS for the specific chemical to check the appropriate Federal Hazard Categories

Uncheck the obsolete elements above.



If the warning notification does not disappear, another possible source of obsolete elements in your submittal is under the Fire Code Hazard Classes (by priority).

To remove the Obsolete Fire code Hazard Classes, do the following:

- I. Click on View/Edit Additional Fire Codes under the Fire Code Hazard Classes

- II. Remove these elements by clicking on the drop down menu containing the Obsolete Fire Code and make it blank by selecting the blank option. You can also add any other Fire Code Hazard Classes as needed.



Chemical Hazard Classification

EHS Yes No

Radioactive Yes No

Curies

Fire Code Hazard Classes (by priority)

Flammable Liquid, Class I-B	▼
Other Health Hazard (Obsolete)	▼

DOT Hazard Class

State Waste Code



Chemical Hazard Classification

EHS Yes No

Radioactive Yes No

Curies

Fire Code Hazard Classes (by priority)

Flammable Liquid, Class I-B	▼

DOT Hazard Class

State Waste Code



This will remove the element from the list, and will correct the warning message.

After you correct the obsolete hazard classes, save the changes and submit the chemical inventory.

If you have any questions, please call (209)468-3420.