

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) | | |
| PHYSICAL | HEALTH HAZARD | PHYSICAL | HEALTH HAZARD | |
| 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 | Hazard Not Otherwise | |
| | | emits flammable gas | 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.

| Inventory Actions Upload Inventory Download Inventory Search Facility's Inventory | Inventory Reports CERS Chemical Library | | Search Current Facility's Inventory Material Name Location CAS Number | <u>Hide Search</u> Search |
|--|--|----------|---|------------------------------|
| Hazardous Materials Inve | entory (4) 🔺 | | Draft Apr. 17, 2020 Add Material Add S | ite Map Done |
| Common Name | CAS | Location | Max Daily Amount | |
| Edit Gasoline | 6290-81-5 | | 100 gallons | Discard |
| Edit Propane | 74-98-6 | | 500 cubic feet | Discard |
| Edit Ammonia | 7664-41-7 | | 5,000 pounds | Discard |
| Edit Oxygen Gas 🚔 | 7782-44-7 | | 50 pounds | Discard |
| Validate My Inventory HMIS Ma | atrix Report | | | Export To Excel |
| | items per page | | | 1 - 4 of 4 items |
| ersion 3.04.0005 Enhancements CERS | <u>S Central</u> | | Diagnostics Conditions of Use Privac | y Policy Contact He |

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.

| pload Ir | nventory | | Invente | ory Reports | | Material Name | | | | |
|------------|-------------|--------------------------------|--|---|---|---|---------------------------------|--------|----------|----------------|
| ownloa | d Invent | Hazaro | dous Material | Inventory G | uidance Messag | les | | × | | Search |
| | | All (3) | Required (0) | À Warning (3) | (1) Advisory (0) | | | | | |
| azard | ous M | Message | e | | | | Resource Type Nam | ne | to Man | Dong |
| Only sho | ow materia | A Data location valid Da | Element "Federal H "" is obsolete. Obso ta Elements before | lazard Category = / blete Data Elements submitting your inv | Acute Health" for materia s should be updated and entory. | al "Gasoline", I/or replaced with | Hazardous Material Inventory | ^ | темар | Done |
| | Commo | 🔺 Data | Element "Federal H | lazard Category = 0 | Chronic Health" for mate | erial "Gasoline", | Hazardous Material | | | |
| Edit | Gasoline | valid Da | ta Elements before | submitting your inv | entory. | /or replaced with | inventory | | | Discard |
| Edit | Propane | A Data | Element "Federal H | lazard Category = I | Fire" for material "Gasol pdated and/or replaced | ine", location "" is with valid Data | Hazardous Material Inventory | | | Discard |
| Edit | Ammoni | Element | ts before submitting | your inventory. | , | | | | | Discard |
| Edit | Oxygen | | | | | | | \sim | | Discard |
| /alidate M | ly Inventor | | | 10 vitems per | page | | 1 - 3 of 3 items | 0 | Exp | port To Excel |
| | | لتلك | | | P430 | | | - | 1 - 4 | of 4 items |
| on 3.04.0 | 0005 Enh | | | | | | Clo | ose | / Policy | <u>Contact</u> |
| | | | California Enviror | montal Doporting Sve | tom: Businoss I © 2020 Cali | fornia Environmontal Pro | ataction Agoney | | | |

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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.

| Upload Downlo Search | ory Actions Inventory ad Inventory Facility's Inventory | Inventory Reports CERS Chemical Library | | Search Current Facility's Inventory Material Name Location CAS Number | Hide Search Search |
|----------------------------|--|--|----------|---|-------------------------------|
| Hazaro | dous Materials Inventor | / (4) 🔺 | | Draft Apr. T. Add Material | dd Site Map Done |
| Only st | how materials with errors/warnings | | | | |
| | Common Name | CAS | Location | Max Daily Amount | |
| Edit | Gasoline 🔺 🚔 | 86290-81-5 | | 100 gallons | Discard |
| Edit | Propane | 74-98-6 | | 500 cubic feet | Discard |
| Edit | Ammonia 🖴 | 7664-41-7 | | 5,000 pounds | Discard |
| Edit | Oxygen Gas 🚔 | 7782-44-7 | | 50 pounds | Discard |
| Validate | My Inventory HMIS Matrix Repo | rt | | | Export To Excel |
| | 1 P H 10 V items | per page | | | 1 - 4 of 4 items |
| Version 3.04 | 4.0005 Enhancements CERS.Central | | | Diagnostics Conditions of Use Pr | ivacy Policy Contact Hel; |

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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.

| _ | | Current Course |
|---|------------------------------|-----------------------------|
| | | Save & Add Another Material |
| Chemical Identification and Physical Properties | | |
| Chemical Name | | CERS Chemical Library ID |
| Gasoline | | - |
| Common Name | CAS Number | US EPA SRS ID |
| Gasoline | 86290-81-5 | 599746 |
| | 00200010 | |
| Physical State Hazardous Material Type 🖲 | | Trade Secret |
| OSolid | | OYes ONo |
| Chamical Hazard Classification | | |
| | | |
| EHS V Fire Code Hazard Classes (by priority) DOT Haza | rd Class 😐 | |
| OYes INO Flammable Liquid, Class I-B V 3 - Flam | imable and Compustible Liqui | as 🗸 |
| Radioactive V | 1. O. I. 9 | |
| Ves No | Lookun Codo | |
| Curies View/Edit Additional Firecodes | Lookup Code | |
| | | |
| Federal Hazard Categories | | |
| PHV SICAL Elammable | | |
| DHYSICAL Gas Linder Pressure | | |
| PHYSICAL Explosive | | |
| PHYSICAL: Self-beating | | |
| PHYSICAL Pyrophorie | | |
| 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.

| load Inventory wnload Inventory | Inventory Reports CERS Chemical Library | | -Search Current Facility's Inventory- | Hide Search |
|--|---|----------|---|---|
| arch Facility's Inventory | | | CAS Number | Search |
| azardous Materials Inver | ntory (5) 🔥 | | Draft Apr. 17. 2020 Add Material | Add Site Map |
| Only show materials with errors/warni | ngs | | | |
| Common Name | CAS | Location | Max Daily Amount | |
| Edt Gasoline 🙏 🚔 📃 | 86290-81-5 | | 100 gallons | Discard |
| Edit Propane | 74-98-6 | | 500 cubic feet | Discard |
| Edt Ammonia | 7664-41-7 | | 5,000 pounds | Discard |
| Edt Oxygen Gas | 7782-44-7 | | 50 pounds | Discard |
| Edt Gasoline | 86290-81-5 | | 100 gallons | Discard |
| | - Townshi | | | Export To Excel |
| Validate My Inventory HMIS Matr + + + 10 + H 10 + on 3 04 0005 Enhancements CERS 0 | items per page | | Diagnostics Conditions of Use I | 1 - 5 of 5 items Privacy Policy Contact H |
| Validate My Inventory HMEE Matr | Inventory Reports | | Diagnestics Conditions of Use I Search Current Facility's Inventory | 1 - 5 of 5 items Privacy Policy Contact H Hide Search |
| Validate My Inventory HMIS Matr + + 1 + 10 + ion \$104 0005 Enhancements CERS 0 nventory Actions pload Inventory ownload Inventory | Items per page | | Diagnestics Conditions of Use 1 Search Current Facility's Inventory faterial Name Location | 1 - 5 of 5 items Privacy Policy Contact H <u>Hide Search</u> |
| Validate My Inventory HMIS Matr + + 10 + 10 + ion 3.04.0005 Enhancements CERS O nventory Actions pload Inventory ownload Inventory earch Facility's Inventory | Inventory Reports CERS Chemical Library | , | Diagnestics Conditions of Use 1 Search Current Facility's Inventory Aterial Name Location CAS Number | 1 - 5 of 5 items Privacy Pelicy Contact H Hide Search Search |
| Valdate My Inventory. HMIS Matr 1 + 10 + 10 + | Items per page | , | Diagnestics Conditions of Use Search Current Facility's Inventory Asterial Name Location CAS Number Draft Apr. 17, 2020 Add Material | 1 - 5 of 5 items Privacy Policy Contact H Hide Search Search dd Site Map Done |
| Validate My Inventory HMIS Matr H | Items per page Central Inventory Reports CERS Chemical Library Itory (4) | | Diagnostica Conditions of Use 1 Search Current Facility's Inventory Asterial Name Location CAS Number Draft Apr. 17, 2020 Add Material | 1 - 5 of 5 items Privacy Policy Confact H Hide Search Search dd Site Map Done |
| Validate My Inventory I I I I I I I I I I I I I I I I I I I | Inventory Reports CERS Chemical Library tiory (4) | Location | Diagnestics Conditions of Use Search Current Facility's Inventory Material Name Location CAS Number Draft Apr. 17, 2020 Add Material Max Daily Amount | 1 - 5 of 5 items Privacy Policy Contact H Hide Search Gearch dd Site Map Done |
| Validate My Inventory en 3 04 0005 Enhancements CERS 0 nventory Actions pload Inventory earch Facility's Inventory earch Facility's Inventory earch Facility's Inventory Common Name Edit Propane | Inventory Reports CERS Chemical Library tory (4) | Location | Diagnestica Conditions of Use Search Current Facility's Inventory Atterial Name Location CAS Number Draft Apr. 17, 2020 Add Material Aa Max Daily Amount 500 cubic feet | 1 - 5 of 5 items Privacy Policy Contact H Hide Search Search dd Site Map Done Discard |
| Validate My Inventory HMCS Matr 10 1 10 10 10 10 10 10 10 10 10 10 10 10 | Inventory Reports CERS Chemical Library tory (4) Pgs CAS 74-98-6 7664-41-7 | Location | Diagnestica Conditions of Use 1 Search Current Facility's Inventory Atterial Name Location CAS Number Draft Apr. 17, 2020 Add Material Max Daily Amount 500 cubic feet 5,000 pounds | 1 - 5 of 5 items Privacy Policy Contact H Hide Search Search dd Site Map Done Discard Discard Discard |
| Validate My Inventory HMIS Matr 1 1 10 on 3 04 0005 Enhancements CERS (nventory Actions- pload Inventory aventoad Inventory arch Facility's Inventory azarclous Materials Inver Common Name Edt Propane | Inventory Reports CERS Chemical Library CERS Chemical Library CAS CAS 74-98-6 7664-41-7 7782-44-7 | Location | Diagnestics Conditions of Use Search Current Facility's Inventory Atterial Name Location CA'S Number Draft Apr. 17, 2020 Add Material Max Daily Amount 500 cubic feet 5,000 pounds 50 pounds 50 pounds | 1 - 5 of 5 items Privacy Policy Contact H Hide Search Gearch Discard Discard Discard Discard |
| Addate My Inventory HMIS Matr 10 10 10 10 10 10 10 10 10 1 | Inventory Reports CERS Chemical Library tory (4) CAS 74-98-6 7664-41-7 7782-44-7 86290-81-5 | Location | Diagnessica Conditions of Use I Search Current Facility's Inventory Material Name | 1 - 5 of 5 items Privacy Policy Contact H Hide Search Search dd Site Map Done Discard Discard Discard Discard Discard |
| Addate My Inventory HMIS Matr and a local Inventory aventory Actions bload Inventory aventod Inventory arch Facility's Inventory arch Facility's Inventory arch Facility's Inventory arch Facility a Inventory arch Gasoline add Ammonia | Inventory Reports CERS Chemical Library tiory (4) Ngs CAS A A A A A A A A A A A A A A A A A A | Location | Diagnessiss Conditions of Use 1 Search Current Facility's Inventory Atterial Name Location CAS Number Draft Apr. 17, 2020 Add Material Max Daily Amount 500 cubic feet 5,000 pounds 50 pounds 100 gallons | 1 - 5 of 5 items Privacy Policy Contact H Hide Search Search dd Site Map Done Discard Discard Discard Export To Excel |

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



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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.

| Upload Downlo Search | nventory Actions pload Inventory Inventory Reports ownload Inventory CERS Chemical Library earch Facility's Inventory | | | Search Current Facility's Inventory Hide Se Material Name Location CAS Number Search | | |
|----------------------------|--|------------|----------|--|-----------------|--|
| Hazar | dous Materials Inven | tory (4) 🔺 | | Draft Apr. 17, 2020 Add Material Ad | d Ste Map Done | |
| Only s | show materials with errors/warning | gs | | | | |
| | Common Name | CAS | Location | Max Daily Amount | | |
| Edit | Gasoline 📤 🚔 | 86290-81-5 | | 100 gallons | Discard | |
| Edt | Propane 🚔 | 74-98-6 | | 500 cubic feet | Discard | |
| Edit | Ammonia 🚔 | 7664-41-7 | | 5,000 pounds | Discard | |
| Edit | Oxygen Gas 🚔 | 7782-44-7 | | 50 pounds | Discard | |
| Validate | My Inventory HMIS Matrix | Report | | | Export To Excel | |
| | | | | | | |





- 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.



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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).

| Chemical Hazar | d Classification- | | |
|-------------------|---|---|--------------|
| EHS ? OYes @No | Fire Code Hazard Classes (by priority) Flammable Liquid, Class I-B | DOT Hazard Class 💀 3 - Flammable and Combustible Liquids | \checkmark |
| OYes No Curies | Other Health Hazard (Obsolete) | State Waste Code R | |
| | × × | | |
| | ~ | | |

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

| HS 😟 | Fire Code Hazard Classes (by priority) | DOT Hazard Class 😨 | |
|------------------|--|---------------------------------------|---|
| Yes No | Flammable Liquid, Class I-B 🗸 | 3 - Flammable and Combustible Liquids | ~ |
| adioactive | Obsolete Health Hazard (Obsolete) 🗸 🗸 | | |
| ⊃Yes ⊙ No | ~ | State Waste Code 😧 | |
| uries | View/Edit Additional Firecodes | Lookup Code | |

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.

| Greatn | ess grows here. | | |
|---|---|--|---|
| Chemical Hazard | Classification | | |
| EHS Ves No Ves No Radioactive Ves No | Fire Code Hazard Classes (by priority) Flammable Liquid, Class I-B V Other Health Hazard (Obsolete) | DOT Hazard Class Combustible Liquids State Waste Code Code | ~ |
| | Remove | | |
| Chemical Hazard | Classification Fire Code Hazard Classes (by priority) Flammable Liquid, Class I-B | DOT Hazard Class 🕡 | ~ |
| Radioactive | ~ | the week of a | |
| Vec Ile | | Lookup 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.