

Why, What, How: EPCRA 312 Tier II Reporting

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Agenda

- What is EPCRA?
- Why do these requirements exist?
- What do these regulations cover?
- Section 311/312 – Hazardous Chemical Inventory
- Safety Data Sheet (SDS) Closer Look
- Tips!

What is “EPCRA”?

- The Emergency Planning and Community Right-to-Know Act
- Enacted as Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986
- Triggered by the 1984 disaster at a Union Carbide in Bhopal, India – water entered a methyl isocyanate tank at a pesticide plant releasing a toxic gas that killed or severely injured more than 2,000 people
- Another release at a Union Carbide facility in WV 8 months later
 - Over 134 people were injured
- Around 7,000 chemical accidents occurred in the US within a five-year period
- Congress passed EPCRA

Who needs to report?

- Not limited to one industry
- Any facility that stores, maintains, uses, or produces hazardous materials above certain threshold amounts
 - Manufacturing plants, refineries, warehouses, landfills, etc.



Why do these requirements exist?

EPCRA Mission Statements:

- For **emergency planners**: Provide information to local authorities and emergency responders on potential hazardous material emergencies and guide their response actions
- For **the public**: Provide access to information on potential chemical hazards in the community

What do these regulations cover?

EPCRA Requirements include:

- Subtitle A (Sections 301 - 304) cover emergency planning and notification of hazardous materials incidents
- Subtitle B (Sections 311 - 313) requires reporting of hazardous chemical inventories and toxic chemical releases
- Subtitle C (Sections 321 - 330) covers administrative requirements (enforcement, trade secrets, and the like)

EPCRA Reports are used by:

- EPA
- State Emergency Response Commission (SERC)
- Local Emergency Planning Committee (LEPC)
- Local Emergency Responders (FD, PD, hazardous materials incidents team, etc.)



Section 311/312

Hazardous Chemical Inventory Reporting

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Section 311 Specifics

- Section 311 requires a covered facility to submit SDSs (or a list of all covered chemicals present at the facility) to the applicable SERC, LEPC, and local fire department
- If you submit a list, the chemicals should be grouped by hazard category. An updated list must be provided if you acquire additional covered chemicals or if the information on your reportable chemical(s) changes.
- Need to be reported within three months of exceeding a threshold

Section 312 – Hazardous Chemical Inventory

Any facility that has any “hazardous chemical”, for which OSHA requires an SDS exceeds more than its threshold (i.e., 10,000 pounds) at any time in the reportable year.

Hazardous Chemical = any chemical with a Safety Data Sheet (SDS) required under OSHA Hazardous Communication Standards (29 CFR 1910.1200).

AND/OR

Any facility that has an Extremely Hazardous Substance (EHS) in an amount that meets or exceeds its Threshold Planning Quantity (TPQ) (or 500 pounds, whichever is less).

Section 312 – EHSs Explained

- EHSs are required to be included on Tier II reports if they are stored on site above their **respective TPQ or 500 pounds, whichever is less**
- You must include contributions from all sources throughout a facility for a specific chemical to compare against the appropriate threshold
- Common EHSs –
 - Sulfuric Acid (1,000 lbs TPQ) – Present in lead-acid batteries
 - Acid Etch Chemicals (e.g. Nitric Acid, Hydrofluoric Acid)

Section 312 TPQ's

Name	CAS Number/ 313 Category Codes	Comptox	CAA 112(r)(7) TQ	CERCLA HS RQ	CWA 311(j)(5) HS TQ	EPCRA 302 EHS TPQ	EPCRA 304 EHS RQ	EPCRA 313 TRI	RCRA Code
Chlorobenzene	108-90-7	DTXSID4020298		100	100,000			313	U037
Chlorobenzilate	510-15-6	DTXSID9020299		10				313	U038
2-Chloro- <i>N</i> -(2-chloroethyl)- <i>N</i> -methylethanamine	51-75-2	DTXSID2020975				10	10	X	
<i>p</i> -Chloro- <i>m</i> -cresol	59-50-7	DTXSID4021717		5,000					U039
2,4-D chlorocrotyl ester	2971-38-2	DTXSID6041345		100	100,000			313	
Chlorodibromomethane	124-48-1	DTXSID1020300		100					
1-Chloro-1,1-difluoroethane	75-68-3	DTXSID9023960						313	
Chlorodifluoromethane	75-45-6	DTXSID6020301						313	
Chloroethane	75-00-3	DTXSID1020302	10,000	100				313	
Chloroethanol	107-07-3	DTXSID1021877				500	500		
Chloroethyl chloroformate	627-11-2	DTXSID2060832				1,000	1,000		
2-Chloroethyl vinyl ether	110-75-8	DTXSID0051570		1,000					U042
Chloroform	67-66-3	DTXSID1020306	20,000	10	10,000	10,000	10	313	U044
Chloromethane	74-87-3	DTXSID0021541	10,000	100				313	U045
Chloromethyl ether	542-88-1	DTXSID8020173	1,000	10		100	10	X	P016
Chloromethyl methyl ether	107-30-2	DTXSID6020307	5,000	10		100	10	313	U046

Source: EPA List of Lists

Note: Sections 302 and 312 have the same TPQs

Section 312 Tier II Reporting

- Section 312 requires annual submission of the Hazardous Chemical Inventory Report (**Tier II report**) to the SERC, LEPC, and local fire department by March 1
- Federal Thresholds:
 - 10,000 lbs for hazardous chemicals
 - 500 lbs or TPQ for EHSs (whichever is lower)
 - 75,000 gallons of gasoline*
 - 100,000 gallons of diesel*
- Lower reporting thresholds exist in certain states
 - California – Hazardous Material Business Plan
 - Louisiana – 500 lb general threshold
 - New Jersey – Community Right to Know Survey, NJ List of EHSs
 - Nevada – International Fire Code (IFC)
 - Vermont – 100 lbs or TPQ (whichever is lower) for many chemicals

*At a retail gas station. This threshold applies only to entirely underground tanks.

Section 312 – Where do you report?

• **Kansas**

- Kansas Tier II Online Reporting System – KDHE
- Mail calculation spreadsheet, certification letter, final report, and payment
- Copies to LEPC and FD
- One account per facility

• **Missouri**

- Missouri Emergency Response Commission (MERC) Tier II System
- Optional distribution to FD for a small fee
- Copy to LEPC

• **Nebraska**

- Nebraska Department of Water, Energy, and Environment (DWEE)
- One account per facility
- Mail to LEPC and FD

• **E-Plan**

- AL, AK, FL, GA, **IA**, MS, MT, NY, NC, SC, TN
- Multiple states and facilities within 1 account

Kansas



- Member Home
- Log Out
- Links
- Contacts
- FAQs
- KDHE Home

[Update Profile](#) [Generate PDF for all](#) [Certification Letter for all](#) [Fee Calculation for all](#)

-- Change Report Year --

ID				
Name				
Address				
City	State	KS	Country	USA
Zip Code	Phone		Email	

Add Facility			
Facility Name	Facility Id	PDF Generator	Delete Facility
		Generate PDF	Delete
+ Add Chemical			
Chemical Name			Delete Chemical
Refrigerant R454b			Delete

Missouri

The screenshot shows a web application interface for Missouri. A modal dialog box titled "Add Facility" is open, asking "How would you like to add the facility?". The dialog has three radio button options: "Create new facility", "Copy as a new facility", and "Copy existing facility to new year", which is selected. There are "Next" and "Cancel" buttons in the dialog. The background shows a "Facility List" page with a navigation bar (Home, Company), a search bar, and a table of facilities. The table has columns for Facility Name, Year, View Tier, Update Facility, Update Contacts, Update Inventory, Fee Sheet, and Delete. A single row is visible with a blacked-out facility name, the year 2025, and a "View" button.

Home Company

Facility List f

Any information in

Add/Copy Facility

Display Count: 10

Facility Name Search: []

Year: 2025

Filter

Facility Name	Year	View Tier	Update Facility	Update Contacts	Update Inventory	Fee Sheet	Delete
[REDACTED]	2025	View	Update Facility	Update Contacts	Update Inventory	Fee Sheet	Delete

Iowa (E-Plan)

EPCRA 302 , 311 Notifications
These notification options are for the current year 2026 only.

EPCRA 312 (Tier2)	EPCRA 302	EPCRA 311
ENTER NEW DATA/ RETRIEVE OLD DATA	COPY DATA	IMPORT TIER2
<p>USE THIS FUNCTION TO ENTER DATA FOR A NEW YEAR OR MAKE CHANGES TO DATA OF AN YEAR ALREADY SUBMITTED</p> <p>CURRENT TIER II REPORT: 2025</p> <ul style="list-style-type: none">SELECT A YEAR TO FILE/RETRIEVE TIER II DATA Select Filing Year ▼CURRENTLY FILED YEARS : 2025 2024 <p>Continue</p>	<p>USE THIS FUNCTION TO COPY DATA FROM A SUBMITTED YEAR TO ANY YEAR UP TO THE CURRENT FILING YEAR</p> <p>NOTE: COPY FUNCTION WILL TRANSFER ALL PREVIOUSLY FILED TIER II DATA AND SITE PLANS</p> <p>FROM: Previous Year ▼</p> <p>TO: Filing Year ▼</p> <p>Copy Data</p>	<p>USE THIS FUNCTION TO IMPORT AN EXISTING TIER2 '.ZIP', TIER2 '.T2S', OR CAMEO '.ZIP' FILE.</p> <p>NOTE: THE TIER2 OR CAMEO DATA FILES WILL BE IMPORTED WITHOUT AUTO FILING YEAR CONVERSION. FOR EXAMPLE, IF A TIER2 DATA FILE IS FOR YEAR 2018, IT WILL BE IMPORTED AS YEAR 2018 SUBMISSION. YOU WILL NEED TO CONVERT THE FACILITY DATA FROM 2018 TO THE FILING YEAR USING THE COPY DATA FUNCTION</p> <ul style="list-style-type: none">NOTE THAT THE TIER2 '.ZIP' OR TIER2 '.T2S' FILE SHOULD CONTAIN ONE XML DATA FILE AND DOCUMENTS UNDER SITEPLANSTEMP FOLDER.XML DATA FILE SHOULD HAVE XML TAGGED VALUES AND '.XML' FILE EXTENSION. <p>Import 'zip / t2s'</p>

Other

[Home](#) [Facilities](#) [My Account](#) [Billing](#) [Resources](#)

[Back](#) List Submissions




To create and submit a new report, click on the "Add a New Annual/Revision/Update Report" button. To continue work on a previously started submission, click on the name of the report in the list. To view a previously completed and submitted report, click on the icon under the "view" column next to the report.

Status: Active Type: Facility

Regulatory Reports

[Add a New Annual/Revision/Update Report](#)

Tier II Reports (312 Annual Report)

Report ID	Initiated Date	Report	Status	Signed By	Signed Date	Submission Type	Invoice	View
	2/3/2026 11:29:25 AM	2025 Tier II Annual	Completed		02/10/2026 01:15:16 PM	Online		
	6/16/2025 8:28:33 AM	2024 Tier II Annual	Completed		06/18/2025 12:36:36 PM	Online		
	2/19/2024 3:07:47 PM	2023 Tier II Annual	Completed		02/28/2024 10:46:06 AM	Online		

[Show More](#)

Emergency Planning Notification Reports

Report ID	Initiated Date	Report (Click to Edit Reports)	Status	Signed By	Signed Date	Submission Type	Invoice	View
No items to be listed								

311 Reports

Report ID	Initiated Date	Report (Click to Edit Reports)	Status	Signed By	Signed Date	Submission Type	Invoice	View
No items to be listed								

Start a New Report



Type: Facility

Choose a Report Type (click on button next to selection)

Tier II Report (312 Report)

Facilities covered by Emergency Planning and Community Right-to-Know Act (EPCRA) requirements must submit an Emergency and Hazardous Chemical Inventory Form to the Local Emergency Planning Committee (LEPC), the State Emergency Response Commission (SERC), and the local fire department annually by March 1 covering activities at the facility during the previous calendar year.

Emergency Planning Notification Report (EPN - 302 Report)

Section 302 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA Title III) requires that owners or operators of facilities notify the State Emergency Response Commission (SERC) and their Local Emergency Planning Committee (LEPC) if they have on site an EHS in an amount equal to or greater than its threshold planning quantity (TPQ).

Safety Data Sheet Report (SDS - 311 Report)

Section 311 requires facilities that have SDSs for chemicals held above certain quantities to submit either copies of their SDSs or a list of SDS chemicals to SERC, LEPC, and local fire department.

Choose a Report Class (click on button next to selection)

Annual for 2013 ▾ Annuals should be submitted to meet EPCRA Section 312 Annual Reporting of Chemical Inventory for chemicals onsite during the **previous calendar year**.

If you have already submitted an ANNUAL for 2025 and want to update new information or fix an error on the submitted report, please select an option below.

Revision Revisions should be submitted to correct errors or omissions in already submitted reports.

Update Updates should be submitted to capture changes to facility contacts or chemical quantities/locations onsite during the **current calendar year**.

Section 312 – Tier II Exemptions

- FDA
 - Food, food additive, drug, or cosmetic regulated by FDA
- Solids
 - Any solid substance in a manufactured item to the extent exposure does not occur under normal conditions of use. (e.g. clocks, hammers, etc.)
- Personal, Family, or Household Purposes
 - Example: Oxygen
- Labs / Hospitals
 - Materials used in a lab or hospital under the direct supervision of a technically qualified individual
- Agricultural products
- Materials Exempt from OSHA Hazard Communication Standards
 - Hazardous Waste (some state exceptions – CA requires)
 - Untreated wood products (as solid articles)

Kansas Fee Calculation Example

FACILITY FEE CALCULATION WORKSHEET

A. EXTREMELY HAZARDOUS SUBSTANCE (EHS) STORAGE

- Total all reportable quantities in pounds of EHS on site at a facility at any one time in Box "a".
- Review the schedule below for range category of your EHS total, from Box "a" and associated fee.
- Place fee amount on Line A.

<u>0</u>	Range in Pounds		Fee	A. <u>\$0</u>
a	1	-9,999	\$25	
	10,000	-999,999	\$50	
	1,000,000	or above	\$150	

B. OTHER HAZARDOUS CHEMICALS

- Total all reportable quantities in pounds of hazardous chemicals (excluding EHS's, sand, gravel, clay, salt, or brine) on site any one time in Box "b".
- Review the schedule below for range category of your total hazardous chemicals and associated fee.
- Place fee amount on Line B.

<u>10750</u>	Range in Pounds		Fee	B. <u>\$25</u>
b	10,000	-99,999	\$25	
	100,000	-999,999	\$50	
	1,000,000	-9,999,999	\$150	
	10,000,000	or above	\$300	

C. TOTAL LINES "A" AND "B", ENTER AMOUNT ON LINE "C".

C. \$25

D. OIL AND GAS EXPLORATION FACILITIES ONLY

- Each owner/operator of exploration, development, or production facilities (except refineries) will pay a \$25 filing fee.
- Place fee amount on Line D. (this is your only fee.)

D. \$0

Please enclose payment with fee calculation worksheet(s) and the certification statement.

Amount Paid _____
Check # _____
For Office Use Only



SDS Closer Look




Section 312/Tier II Reporting

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SDS Hazards Example – Section 2

Section 2 – *Hazards Identification*

2.1 - Classification

			
Physical	Health		Environmental
Explosive: Division 1.3	Acute Toxicity:	Category 4 ¹	Aquatic Acute 1
	Skin Corrosion:	Category 1A	Aquatic Chronic 1
	Eye Damage:	Category 1	
	Carcinogenicity:	Category 1A	
	Infertility:	Category 1A	
	STOT ² :	Category 1A	

Notes: 1. Hazard Category 4 in **oral, dermal, & inhalation**.
 2. Specific Target Organ Toxicity following repeated exposure.

SDS Hazards Example – Section 15

15. REGULATORY INFORMATION

SARA 302 Components

The following components are subject to reporting levels established by SARA Title III, Section 302:

	CAS-No.	Revision Date
Chlorine	7782-50-5	2007-07-01

SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313:

	CAS-No.	Revision Date
Chlorine	7782-50-5	2007-07-01

SARA 311/312 Hazards

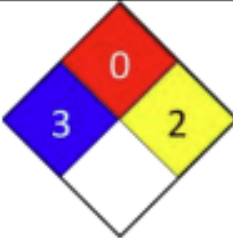

Sudden Release of Pressure Hazard, Reactivity Hazard, Acute Health Hazard

SDS Hazards Example – Section 16

Section 16 - *Other Information*

SDS originally prepared: 10 September 2013.

SDS last revised (entire document): 1 March 2025.

NFPA Rating:	DOT Rating:
 <p>Sulfuric Acid</p>	

SDS Physical & Chemical Properties – Section 9

Section 9 – *Physical & Chemical Properties*

(a) Appearance	Plastic encasement
(b) Odor	Electrolyte is pungent (i.e., has a sharp odor).
(c) Odor threshold	Electrolyte (sulfuric acid): ~ 1 mg/m ³ in air
(d) pH	Electrolyte (sulfuric acid): ~ 1
(e) Melting point (lead plates) Freezing point (electrolyte)	Lead: ~ 620°F Electrolyte (approx.): -90°F (fully charged) 30°F (discharged)
(f) Initial boiling point & boiling range	Electrolyte (approx.): 203°F
(g) Flash point	Not applicable
(h) Evaporation rate	< 1
(i) Flammability (solid, gas)	Flammable gas
(j) Upper/lower flammability/explosive limits	Hydrogen in air: LFL/LEL = 4%; UFL/UEL = 75%
(k) Vapor pressure (mm Hg @ 20°C)	Partial pressure of sulfuric acid: 0.001
(l) Vapor density	3.4
(m) Relative density (i.e., specific gravity)	1.145 - 1.345
(n) Solubility	Electrolyte/Acid (100%); Lead (0%)
(o) Partition coefficient:	Not applicable
(p) Auto-ignition temperature	Not applicable
(q) Decomposition temperature	Not applicable
(r) Viscosity	Not applicable

SDS Chemical Composition – Section 3

Section 3 – *Composition / Information on Ingredients*

Chemical & Common	CAS-No.	% by
Lead/Lead Compounds	7439-92-1	65-75
Sulfuric Acid	7664-93-9	10-15
ABS Resin	9003-56-9	5-10
Tin	7440-31-5	< 0.5
Calcium	7440-70-2	< 0.15

Notes: 1. Chemical Abstracts Service Registry Number (i.e., CAS#)
2. Varies according to state of charge/discharge.



Tips

Section 312/Tier II Reporting

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Section 312 – Tier II Tips

- Have all information gathered before starting
- Group “like” materials together
 - Example: oil-based paints vs latex paints
- Group chemicals together
 - Example: calcium nitrate, sulfuric acid
- Compare the Spill Prevention, Control, and Countermeasure (SPCC) Plan and Tier II
- Voluntary reporting available if not in reportable quantities

Section 312 – Tier II Tips (continued)

- Don't forget about
 - Ancillary materials
 - Example: Compressed gases, diesel fuel, etc.
 - Batteries
- Submit Early!
 - Aim to submit at least 1 week early
 - Most systems slow down close to March 1
 - Check what day March 1 falls on (i.e., weekend)
- Keep Proof of Submission
 - Maintain confirmation emails, system receipts, final report, payment confirmation

Section 312 – Site Map Tips

- Most states require a site map. Optional in KS
- Helps fire departments and emergency responders quickly locate hazardous chemicals during an emergency response
 - Identify how much of a hazardous chemical is present so they can use the right amount and type of fire suppressant
- What should you include?
 - Facility identification (i.e., facility name, physical address)
 - North Arrow
 - Scale
 - Date of last update
 - Property boundaries
 - Road names – nearest intersection to the facility
 - Identification of buildings (i.e., warehouse, production, office)
 - **Hazardous chemical storage locations (required)**
 - **Storage amount, container information**

Thank you!

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