


Tier Two Report


TIER TWO
HAZARDOUS SUBSTANCES



1. OSHA defines hazardous substance as any substance that is a physical hazard or a health hazard. (Pg. 3-4 for description)
2. OSHA requires that MSDSs be maintained for each hazardous substance.

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TIER TWO
HAZARDOUS SUBSTANCES




3. Water can have an MSDS, but it is not required by OSHA.

III HEALTH HAZARDS
This product has been evaluated in accordance with the Occupational Safety and Health Hazard Communication Standard (CFR, Title 29, Section 1910.1200) and is not considered hazardous.
Potential Health Effects: Not expected to be a health hazard

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TIER TWO
HAZARDOUS SUBSTANCES


4. OSHA does not require an MSDS for Hazardous Waste that is subject to RCRA.



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Tier Two
EXEMPTIONS

Some OSHA hazardous substances do not have to be reported on the Tier Two report.



Pg. 3-5:
"What Chemicals Are Excluded?"

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Tier Two
EXEMPTIONS


Any substance present as a **solid** in any **manufactured item** to the extent **exposure** to the substance does not occur under normal conditions of use.

Situation:
A facility purchases **sheet metal** to manufacture its final product. MSDS is required. **Is it exempt?**

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Tier Two
EXEMPTIONS
Example: Sheet Metal

Sheet metal as purchased is a **manufactured item**. **There is no potential for exposure to the solid metal.**




Sheet metal in process is no longer a **manufactured item**.

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Tier Two Report

Tier Two
EXEMPTIONS
Example: Sheet Metal

EPA's interpretation published **July 2010** says that **only the fumes or dust emitted when the solid is being modified need to be counted toward the Tier Two reporting threshold.**



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Tier Two
EXEMPTIONS

Section 312 (Tier Two) Exemptions do NOT apply to:

- **Section 302 : Emergency Planning & Notification Requirements**
- **Section 304 : Hazardous Substance Release Notifications**

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TIER TWO
THRESHOLD

The amount on site at any given time in storage and in process.


- **Threshold for "OSHA" hazardous substances = 10,000 pounds.**

Gallons must be converted to pounds.
Formula on Pg. 3-5

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GALLONS TO POUNDS
FORMULA FOR CONVERSION


Specific Gravity (Relative Density) from MSDS
X
Weight of Water (8.34 lbs per gal)
=
Pounds per gallon of substance



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GALLONS TO POUNDS CONVERSION
TEST YOUR UNDERSTANDING

1600 gallons of gasoline



From MSDS (Pg. 6-19):
Specific gravity = _____

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GALLONS TO POUNDS
CONVERSION ANSWER

Calculate lb/gal of gasoline
0.75 x 8.34 lb/gal wtr = _____

Total weight of gasoline =
6.3 lb/gal x 1600 gal = _____

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Tier Two Report

TIER TWO
THRESHOLD

RETAIL GAS STATION Thresholds

- **gasoline = 75,000 gallons** if all stored in compliant USTs
- **diesel fuel = 100,000 gallons** if all stored in compliant USTs

UST=underground storage tank

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TIER TWO
THRESHOLD

RETAIL GAS STATION Thresholds

10,000 pound threshold applies to:

- **E-85** and other Alternative fuels (except gasohol with $\leq 10\%$ ethanol)
- **Aviation fuel**
- **Heating fuel**
- **Kerosene**
- **Propane**

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TIER TWO
THRESHOLD

Threshold for Extremely Hazardous Substances (EHS) = the lower of:

- **500 pounds** or
- **threshold planning quantity (TPQ)**

EHSs and TPQs are listed

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TIER TWO
EXTREMELY HAZARDOUS SUBSTANCES (EHS)

Aggregate all occurrences of an EHS to determine if threshold is met.

Pure form + mixture components* = total EHS

* **If $\geq 1\%$ of mixture, or $\geq 0.1\%$ if carcinogen**

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TIER TWO
EXTREMELY HAZARDOUS SUBSTANCES (EHS)


EXAMPLE

Sulfuric Acid

EHS = yes/no?

TPQ = _____

Tier Two reporting threshold = _____



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TIER TWO
EXTREMELY HAZARDOUS SUBSTANCES (EHS)

SULFURIC ACID IN INVENTORY

- **6 fork lifts with large lead-acid batteries**
- **55 gal drum pure Sulfuric Acid**

Total lbs Sulfuric Acid = ?

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Tier Two Report

MSDS: Sulfuric Acid 66°Be

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES:

FLASH POINT: NA
 BOILING POINT: ~ 529°F
 MELTING POINT: ~ -26°F
 VAPOR PRESSURE (mm Hg): < 0.002
 EVAPORATION RATE (N-BUTYL ACETATE=1): <1
SPECIFIC GRAVITY (WATER=1): ~1.84
 APPEARANCE: Colorless to light yellow liquid
 ODOR / TASTE: Odorless
 SOLUBILITY IN WATER: Complete
 pH at 25°C: < 1
 VISCOSITY: ND

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TIER TWO

EXTREMELY HAZARDOUS SUBSTANCES (EHS)

55 gallon drum of pure sulfuric acid

Specific gravity (from MSDS) = _____

X

_____ (weight of water)

=

_____ **lbgal sulfuric acid**

55 gal x _____ lbgal = _____ lbs sulfuric acid

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Many MSDSs for Batteries are Misleading

Lead-acid Batteries. Use caution if consulting the MSDS...

- Many MSDSs for batteries list a percentage of “**sulfuric acid**” when they mean “**battery acid**”
- **Battery Acid (aka Electrolyte) is a mixture of sulfuric acid and water**

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TIER TWO

EXTREMELY HAZARDOUS SUBSTANCES (EHS)

Lead-acid Batteries

Approximate Calculation based on total battery weight

- 2/3 battery weight = Lead
- 1/3 battery weight = **battery acid**
- 1/3 **battery acid** weight = **Sulfuric Acid**
- 1/9 battery weight = **Sulfuric Acid**



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TIER TWO

EXTREMELY HAZARDOUS SUBSTANCES (EHS)

- **6 Batteries**
- **Each Battery Weighs 600 pounds**
- **How many pounds of Sulfuric Acid are in the batteries?**

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TIER TWO

EXTREMELY HAZARDOUS SUBSTANCES (EHS)

SULFURIC ACID IN BATTERIES

Total weight of batteries=

Battery Acid ≈

Sulfuric Acid ≈

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Tier Two Report

TIER TWO
EXTREMELY HAZARDOUS SUBSTANCES (EHS)

TOTAL SULFURIC ACID

___ lbs in the batteries
+ ___ lbs pure
___ lbs total

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TIER TWO
EXTREMELY HAZARDOUS SUBSTANCES (EHS)

Required Reporting for 1244 lbs of Sulfuric Acid?

Tier Two -

- Because \geq _____

Emergency Planning Notification (Section 302)

- Because \geq _____

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TIER TWO
THRESHOLD



The threshold for reporting in response to requests is zero

Requests can be made by the SERC, LEPC, Fire Dept with jurisdiction over facility

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Tier Two
RECAP...

- The **owner or operator** reports
- **hazardous substances** according to OSHA
- if **exemptions** do not apply,
- and IF the **threshold** amount is ever on site.

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Tier Two
RECAP...

- OSHA Hazardous Substance **threshold** = 10,000 pounds
- Extremely Hazardous Substance **threshold** = 500 pounds or TPQ (whichever is lower)
- Retail Gas Stations are special ...
- So are Requests ...

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Simplified thought process...

1. Is it hazardous? (OSHA MSDS)
 - No: not subject to reporting
 - Yes: go to question 2
2. Is it an EHS? (Appendix A)
 - No: threshold is 10,000 lbs
 - Yes: threshold is TPQ or 500 lbs

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Tier Two Report

Tier Two

TEST YOUR UNDERSTANDING


What is the Tier Two reporting threshold for...

- Nitric acid? _____
- Chlorine? _____
- Hydrochloric Acid? _____
- Water? _____
- Propane? _____

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Tier Two

REPORT DUE DATES




Tier Two annual hazardous chemical inventory due **MARCH 1ST**.

Section 311 initial hazardous chemical inventory due within 3 months after threshold reached.

See Pg. 1-8 for all SARA Title III report due dates.

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ONLINE REPORTING



Tier II Manager™

Off-the-shelf program customized for Michigan.

In 2012, program will be rewritten on a new platform. Expect improved reporting process for 2013!

All facility reports must be entered in this online program.

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TIER II MANAGER™

3 reports submitted in the program:

1. Section 312 Tier Two (update as needed; submit annually)
2. Section 311 Initial Hazardous Chemical Inventory (as applicable)
3. Section 302 Emergency Planning Notification (update & recertify as needed)

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TIER II MANAGER™

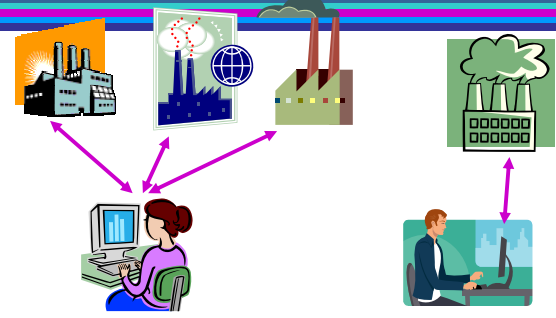
3 modules:

1. **Submit** – Reporters
2. **Planning/Response** – LEPCs & Fire Depts (Ingham, Kent, Oakland, Ottawa & Wayne Counties)
3. **Administration** – Susan & Tonya

If you “do not have sufficient access rights,” you are in the wrong module.

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Each reporter should have only ONE account.



Username = SARA00001

Username = SARA01011

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Tier Two Report

A Facility can be assigned to only ONE account.

The Administrator can move a facility from one account to another

Username = SARA00001 Username = SARA01011

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ACCESS THE PROGRAM

Access Tier II Manager™
www.michigan.gov/sara

➔ SARA Title III Hazardous Chemical Inventory
➔ Click on the “big brown button”

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FORGOT PASSWORD?

If you have not already registered, you must register your company before using this Online Reporting System.

Register Now

Sign In

[Reset your password?](#) | [Forgot your password?](#) | [Help on Tier II Reporting](#)

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FORGOT USERNAME?

Contact the Administrator if:

- You do not know your username.
- You are taking over the reporting responsibilities from someone else.

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NEW USER?

REGISTER NOW if

- You have never been in the program, **AND**
- No SARA Title III reports* have ever been submitted to the DEQ for any of your facilities.

Not sure? Contact the Administrator!

*Tier Two, Section 302, or Section 311

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Welcome Page (Instructions)

Site Map on Pg 3-13

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Tier Two Report

Main Menu

Main Menu

[Add a New Facility](#) | [Update User Profile](#) | [Help on Tier II Reporting](#)

The following facilities are registered under this username. You can update Tier II information by clicking on the Facility Name. If you want to preview the most current data entered, click on the Current Data icon across from each Facility Name.

Search


A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Other

[1] Page 1 of 1 (Total Results:3)

MI SARA ID	Company Name	Facility/Site Name ▲	Street Address	Current Data	Annual Submission Status(2010)	Certification Status	
						302	311
13	Susan's Place	Dummy_302	9500 Beardslee Rd Perryville, MI 48872		Not Started	Not Certified	Certified
124	SOM	Susan's Big Dummy	201 Bernard Copper Harbor, MI 49918		Pending Admin Approval	Certified	Certified
	SOM	Susan's Farm	525 W Allegan St Lansing, MI 48909		Not Started	Certified	

Main Menu Your Facility List

If the facility list is not correct...



Contact the Administrator - She can move facilities from one user account to another.

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Main Menu Keep User Info Current

Main Menu | Offline Reports | Instructions

Main Menu

[Add a New Facility](#) | [Update User Profile](#) | [Help on Tier II Reporting](#)

are registered under this username. You can update Tier II info you want to preview the most current data entered, click on t across from each Facility Name.

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Main Menu Select a Facility

MI SARA ID	Company Name	Facility/Site Name ▲	Street Address	Current Data	Annual Submission Status(2010)	Certification Status	
						302	311
13	Susan's Place	Dummy_302	9500 Beardslee Rd Perryville, MI 48872		Not Started	Not Certified	Certified
124	SOM	Susan's Big Dummy	201 Bernard Copper Harbor, MI 49918		Pending Admin Approval	Certified	Certified
	SOM	Susan's Farm	525 W Allegan St Lansing, MI 48909		Not Started	Certified	

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Submissions Listing

Submissions Listing for Susan's Big Dummy (MI SARA ID:124)

312 (Tier II)

Shown below is a listing of all Tier II Report submissions. Click on the reporting year to edit the Report for that year. The link in the Reporting Year column will be enabled if you can edit the data for that year.

Reporting Year	Submission Class	Signed By	Signed Date	Submission Status	Tier II	Submission Type	Report Status
2009	Annual	Susan, Mom	12/21/2009 2:00:16 PM	Completed		Online	Active
2008	Revision	Susan, mom	6/1/2008 11:52:37 AM	Completed		Online	Active
2007	Annual	Susan, mom	1/9/2008 9:56:01 PM	Completed		Online	Active
2006	Revision	Susan, Mom	6/1/2007 12:57:00 PM	Completed		Online	Active
	Annual	Susan Parker, Coordinator	3/22/2007 4:11:36 PM	Completed		Online	Active

[Click here to request an edit for a Previous Reporting Year.](#)

312 (Tier II) → [302 Reports](#)

302 Reports → [311 Reports](#)

Record Number	Initiated Date	Certified Date	View	Edit	Delete	Report Status
5660	1/9/2009 11:25:15 AM	1/9/2009 11:25:12 AM	View	View	View	Active

New: 302

Record Number	Initiated Date	Certified Date	View	Edit	Delete	Report Status
6396	1/31/2008 10:49:16 AM	1/31/2008 10:49:25 AM	View	View	View	Active
6386	1/29/2008 10:57:28 AM	1/29/2008 10:57:34 AM	View	View	View	Active

New: 311

Submissions Listing page Edit current year

312 (Tier II)

Shown below is a listing of all Tier II Report submissions. Click on the reporting year to edit the Report for that year. The link in the Reporting Year column will be enabled if you can edit the data for that year.

Reporting Year	Submission Class	Signed By	Signed Date	Submission Status	Tier II	Submission Type	Report Status
2011 (Edit)				Not Started			
2010	Annual	Susan Parker, mom	3/25/2011 11:05:48 AM	Pending Admin Approval		Online	Active
2009	Annual	Susan Parker, Owner	3/25/2011 11:05:48 AM	Completed		Online	Active
2008	Annual	Susan, Mom				Online	Active
2007	Revision	Susan, mom				Online	Active

Your part is complete. → Pending Admin Approval

Open certified report as a pdf. →

Tier Two Report

Facility Home Page

Step 1
Step 2
Step 3
Step 4
Notes

Facility Home Page for Susan's Big Dummy (MI SARA 10124)
312 (Tier II) | Submissions Listing | 202 | 211
312 (Tier II)
Reporting Year: 2011
Last Update: 12/19/2011 11:05:02 AM
Last Tier II Submission:

Susan's Big Dummy, SOM
201 Bernard
Copper Harbor, MI 49918
Phone: 517-335-4650

Current Data

Step 1: Review Facility Information
Edit Facility | Make Inactive

Step 2: Review Chemical Inventory
Add Chemical

Click on table header to sort and filter selections.

Alphabetical: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Other

Page 1 of 1 (Total Results: 5)

Chemical ID	CAS	Chemical Name	Is or Contains EHS	EHS Exceeds TPQ	Edit	Delete
603270	7664-41-7	AMMONIA (ANHYDROUS)	<input checked="" type="checkbox"/>	Yes	Edit	Delete
603269	N/A	CHEMICAL SOUP	<input checked="" type="checkbox"/>	Yes	Edit	Delete
628948	7647-01-0	HYDROCHLORIC ACID	<input type="checkbox"/>	No	Edit	Delete
603268	7727-37-9	NITROGEN (LIQUEFIED)	<input type="checkbox"/>	No	Edit	Delete
605205	732-11-6	PHOSMET	<input type="checkbox"/>	No	Edit	Delete

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Facility Home Page Step 1: Update Facility Info

312 (Tier II)
Reporting Year: 2011
Last Update: 12/13/2011 9:10:35 AM
Last Tier II Submission:

Susan's Big Dummy, SOM
201 Bernard
Copper Harbor, MI 49918
Phone: 517-335-4650

Current Data

Step 1: Review Facility Information
Edit Facility | Make Inactive

Opens pdf file with current data - not a certified report.

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Step 2: Update Chemical Info

Step 2: Review Chemical Inventory
Add Chemical

Click on table header to sort and filter selections.

Alphabetical: A B C D E F G H I J K L M N O P Q R S T U V W X Y Z Other

Page 1 of 1 (Total Results: 5)

Chemical ID	CAS	Chemical Name	Is or Contains EHS	EHS Exceeds TPQ	Edit	Delete
603270	7664-41-7	AMMONIA (ANHYDROUS)	<input checked="" type="checkbox"/>	Yes	Edit	Delete
604131	7647-01-0	HYDROCHLORIC ACID	<input type="checkbox"/>	No	Edit	Delete
603268	7727-37-9	NITROGEN (LIQUEFIED)	<input type="checkbox"/>	No	Edit	Delete

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Step 3 Optional: Add or Remove Maps & Plans at any time

Step 3: Review Attachments

Attachment	File Name	Browse File to Upload	Add / Update	Remove
Siteplan	Susan's Big Dummy site map.doc	Browse...	Attach	Remove
Site coordinate abbreviations		Browse...	Attach	Remove
Safeguard measures		Browse...	Attach	Remove
Facility Plan	03-391.pdf	Browse...	Attach	Remove

To attach a file, click on Browse, choose the location of the file, click Open. The name of the file will appear. Then click Attach. The document format will appear underlined. To remove a file, click Remove.

Check this if you are sending these files as hard copies.

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Step 4: Submit Add Notes Before You Submit

Step 4: Submit Tier II Report
Click here to start/change your Tier II Submission for this year.
You have not made any submissions for the year 2009.

Notes

3/22/07: This is a new facility - Susan's dummy report.

Edit

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STEP 1 Facility Details Shortcuts

Owner/Operator Mailing Address

If you enter an address outside of the US or Canada, enter name in the City field.

Name: Robert Jackson
Country: United States
Owner Address: 525 W Allegan St
City: Lansing State: Michigan
Zip Code: 48909

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Tier Two Report

STEP 1 Resources tab (all pgs) Lat-Long & NAICS Codes

MI SARA ID: 124 | Reporting Year: 2008 | [User:susan123] Sign Out
Main Menu | Offline Reports | Instructions | Resources | State Website | Feedback | Help

Online Tier II Manager™ - Microsoft Internet Explorer

Refresh

RESOURCE LINKS

1. Details of the Tier Two and MSDS reporting requirements
[Hazardous Chemical Inventory Reporting - Sections 311 & 312](#)
2. Michigan SARA Title III Program
[Michigan SARA Title III Program](#)
3. Look up 2007 NAICS codes
[NAICS codes](#)
4. List of extremely hazardous substances, updated October 2006

Step 1 Geocode your facility

Latitude:

Longitude:

Latitude and Longitude must be in Decimal Degrees.

Address Geocoding tool
Enter the Address in the input boxes and press Geocode

Street:
City:
State:
Zip Code:
Latitude:
Longitude:

Geocode

STEP 1 "Save Changes" Updates the Current Database even if no report is submitted

Michigan

Click Save Changes only ONCE. Saving may take a few moments.

STEP 2 Search Chemical to find CAS Number

CAS Number:

Exact match results only.

Chemical Name:

Starting With Exact Phrase Containing String

The chemical list is for lookup purposes only. It is not a complete, verified chemical list. If you find a discrepancy between your data and the search results, please research further before reporting. Chemicals with the same CAS number may appear several times since they are known by several names.

Search Results...

AB C D E F G H I J K L M N O P Q R S T U V W X Y Z Other

[1 2 3 4] ▶ Last Page 1 of 4 (Total Results:32)

7664-41-7 - AMMONIA
7664-41-7 - AMMONIA (ANHYDROUS)
7664-41-7 - AMMONIA (ANHYDROUS) (LIQUEFIED)
7664-41-7 - Ammonia (conc 20% or greater)
7664-41-7 - AMMONIA (CONC 20% OR GREATER)

Adding an EHS

Chemical Description

Search by CAS / Chemical Name
OR Select Chemical from 302/311

CAS Number:

Chemical Name:

Trade Secret:

EHS Contains EHS

EHS Name:

Add mixture components

Check all that apply:
[Pure Mix] [Solid Liquid Gas]

Physical and Health Hazards

Check all that apply:

Fire
 Sudden Release Pressure
 Reactivity
 Immediate(A)
 Delayed(Chronic)

Adding an EHS

STEP 2: CHEMICAL DESCRIPTION AND STORAGE LOCATION

All red fields are required.

Chemical Description	Physical and Health Hazards	Inventory	Storage Codes & Locations
Search by CAS / Chemical Name OR Select Chemical from 302/311 CAS Number: <input type="text" value="7664-41-7"/> Chemical Name: <input type="text" value="AMMONIA (ANHYDROUS)"/> Trade Secret: <input type="checkbox"/> EHS: <input checked="" type="checkbox"/> Contains EHS <input type="checkbox"/> EHS Name: <input type="text"/> Add mixture components Check all that apply: <input type="checkbox"/> Pure <input type="checkbox"/> Mix <input type="checkbox"/> Solid <input type="checkbox"/> Liquid <input type="checkbox"/> Gas	Check all that apply: <input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate(Acute) <input type="checkbox"/> Delayed(Chronic)	Check all that apply: <input type="checkbox"/> Fire <input type="checkbox"/> Sudden Release of Pressure <input checked="" type="checkbox"/> Reactivity <input checked="" type="checkbox"/> Immediate(Acute) <input type="checkbox"/> Delayed(Chronic)	Storage Location information must be entered. Cont. Press. Temp. Location: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> Container size: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> Type: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="checkbox"/> Refrigeration system Average Daily Amount (lbs) (Facilitywide): <input type="text"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Average Daily Amount Code: <input type="text"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Number of days on site: <input type="text"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> More Storage Locations?

MSDS Submission
MSDS File: Not Uploaded

Tier Two Report

Verification required when chemical might be an EHS

Verify Chemical

Confirm whether Main Chemical is an EHS:

CAS Number: 7664417
Chemical Name: AMMONIA (ANHYDROUS)
EHS Name: AMMONIA

Please confirm whether the chemical is an EHS or not. If the chemical is an EHS, check the 'Check if EHS' box and click 'Save'. If the chemical is not an EHS, just click 'Save' to proceed.

Check If EHS

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Verification required when EHS has 2 TPQ values

Verify Chemical

Main chemical with split TPQ values:

CAS Number: 123319
Chemical Name: HYDROQUINONE
EHS Name: HYDROQUINONE
Maximum Amount: 1000

You have entered an EHS chemical which has split values for the Threshold Planning Quantity. Do you have this substance present in the form of a fine powder (particle size less than 100 microns), in solution, or in molten form? If your answer is Yes, click the Check if Yes box and click Save. If your answer is No, continue by clicking Save.

Check If Yes

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STEP 2 Mixture Example – Pg 3-21

Chemical Description	Physical and Health Hazards	Inventory
<p style="font-size: small; color: blue;">Search by CAS / Chemical Name OR Select Chemical from 302/311</p> <p>CAS Number: <input type="text" value="N/A"/></p> <p>Chemical Name: <input type="text" value="LEAD-ACID BATTERIES"/></p> <p>Trade Secret: <input type="checkbox"/></p> <p>EHS: <input type="checkbox"/> Contains EHS <input checked="" type="checkbox"/></p> <p>EHS Name: <input type="text"/></p> <p style="color: blue; text-decoration: underline;">Add mixture components</p> <p>check all that apply:</p> <p><input type="checkbox"/> Pure <input checked="" type="checkbox"/> Mix <input checked="" type="checkbox"/> Solid <input checked="" type="checkbox"/> Liquid <input type="checkbox"/> Gas</p>	<p>Check all that apply:</p> <p><input type="checkbox"/> Fire</p> <p><input type="checkbox"/> Sudden Release of Pressure</p> <p><input checked="" type="checkbox"/> Reactivity</p> <p><input checked="" type="checkbox"/> Immediate(Acute)</p> <p><input checked="" type="checkbox"/> Delayed(Chronic)</p>	<p>Maximum Daily Amount (lbs) (Facilitywide): <input type="text" value="20000"/></p> <p>Maximum Daily Amount Code: <input type="text" value="04"/></p> <p>Average Daily Amount (lbs) (Facilitywide): <input type="text" value="20000"/></p> <p>Average Daily Amount Code: <input type="text"/></p>

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Add Mixture Components

Search by CAS Number Chemical Name EHS EHS Name Percentage

<input type="checkbox"/>	<input type="text" value="7439-92-1"/>	<input type="text" value="LEAD"/>	<input type="checkbox"/>	<input type="text" value=""/>	<input type="text" value="56"/>	<input type="button" value="Delete"/>
<input type="checkbox"/>	<input type="text" value="7664-93-9"/>	<input type="text" value="Sulfuric acid"/>	<input checked="" type="checkbox"/>	<input type="text" value="Sulfuric acid"/>	<input type="text" value="11"/>	<input type="button" value="Add"/>

Click here if you are done adding mixture components

Chemical Name:

Trade Secret:

EHS: Contains EHS

EHS Name:

Add mixture components

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STEP 2 Attach MSDS only if substance is uncommon

Check all that apply:

Pure Mix Solid Liquid Gas

MSDS Submission

MSDS File: Uploaded [\(View MSDS\)](#) [\(Remove\)](#)

[Upload MSDS](#)

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STEP 2 Confidential Storage Location

Storage Codes & Locations

Storage Location information must be entered

Cont-ainer Type	Pres-sure	Temp-erature	Location	Confidential Location
<input type="text" value="N"/>	<input type="text" value="1"/>	<input type="text" value="4"/>	<input type="text" value="BLDG 14, NE CORNER"/>	<input checked="" type="checkbox"/>
<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="text" value=""/>	<input type="checkbox"/>

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Tier Two Report

STEP 3
Attachments can be Confidential

Facility Map **CONFIDENTIAL**

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Review report before you submit

Facility Home Page for Susan's Big Dummy (MI SARA ID:124)

[312 \(Tier II\)](#) | [Submissions Listing](#) | [302](#) | [311](#)

312 (Tier II)

Reporting Year: 2009

Last Update: 12/21/2009 1:44:00 PM
 Last Tier II Submission:

Susan's Big Dummy, SOM
 201 Bernard
 Copper Harbor, MI 49918
 Phone: 517-335-4650

View "snap shot" of current data as a pdf file

Current Data

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STEP 4
The User can enter the name of the person certifying the report.

TIER II SUBMISSION for Dummy 302 (MI SARA ID: 1236)

I certify under penalty of law that I have personally examined and am familiar with the information submitted, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

I understand that I am going to officially submit this Tier II Report and associated information to authorities. I also realize that once this submission is completed I cannot edit the information and it will become an official archive for authorities.

Please Preview the Tier II Form before Submission

Name of Owner/Operator or Authorized Representative: Mr. Big Guy
 Official Title: Owner
 Date: 1/8/2009

Submit

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STEP 1
Facility No Longer Required to Report ?

312 (Tier II)

Reporting Year: 2009

Last Update: 12/21/2009 1:44:00 PM
 Last Tier II Submission:

Susan's Big Dummy, SOM
 201 Bernard
 Copper Harbor, MI 49918
 Phone: 517-335-4650

Edit NOTES before making inactive

Make Inactive

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Inactive facilities not shown on Main Menu facility list

Make Inactive

If you continue, this facility will no longer appear in your user account.

Facility Name : Susan's Big Dummy
 Facility ID : 19270

Inactivity Reason(s) : **Reporting Exemption**
 [Hold down Ctrl key to select multiple options.]

Inactive As of Date : 10/15/2008

Save **Cancel**

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Submissions Listing Page Add or Edit sect 302 Report

302 Reports

[New/Edit 302](#)

Record Number	Initiated Date	Certified Date	View	Edit	Delete	Report Status
5587	9/26/2008 11:09:12 AM	9/26/2008 11:09:17 AM	View			Active

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Tier Two Report

302 Report Select Chemical from Tier Two Report

Facility Emergency Coordinator
 Name: Susan Parker Title: Plant Manager
 Phone: 5174444444 24 Hr Phone: 5173738481 Pager:
 Address: 123 This St City: Lansing
 State: Michigan Zip: 48906
 Email: Retype Email:
 Company Name: Susan's Big Dummy
 Check here if the Facility is Exempt from 302 reporting because it is not storing any EHS chemicals which are over the TPQ
 Initiated Date: 1/9/2008 11:09:12 AM

Chemical Information

Select Chemical from Tier II	Search EHS	CAS	EHS Name	EHS Quantity (lbs)	TPQ Value	Chemical Name
		7664-93-9	SULFURIC ACID	2200	1,000	SULFURIC ACID

Note: A red arrow points to the 'EHS Quantity' field (2200) in the table above.

*The Select Chemical from Tier II lookup will only return chemicals existing in the current Tier II data identified as Extremely Hazardous Substance (EHS) with a quantity above its Threshold Planning Quantity (TPQ).

Save and Continue Exit Without Save

Returns EHSs ≥ TPQ from Tier Two report

Online Tier II Manager™ - 302 Chemicals Lookup - Microsoft Internet Explorer

Tier II Chemicals Inventory...

- 7664-41-7 - AMMONIA (ANHYDROUS) - AMMONIA (ANHYDROUS)
- 7782-50-5 - CHLORINE - CHLORINE
- 7697-37-2 - NITRIC ACID - NITRIC ACID
- 7664-93-9 - SULFURIC ACID - SULFURIC ACID

Note: A red arrow points to the entry '7664-93-9 - SULFURIC ACID - SULFURIC ACID'.

Extremely Hazardous Substances (EHS) that exceed the Threshold Planning Quantity (TPQ)

Select chemicals and edit if needed (Pg 2-2)

Company Name: Susan's Big Dummy
 Check here if the Facility is Exempt from 302 reporting because it is not storing any EHS chemicals which are over the TPQ
 Initiated Date: 1/9/2008 11:25:15 AM

Chemical Information

Select Chemical from Tier II	Search EHS	CAS	EHS Name	EHS Quantity (lbs)	TPQ Value	Chemical Name
		7664-93-9	SULFURIC ACID	2200	1,000	SULFURIC ACID

Note: A red box highlights '11% of 20000 lbs' with an arrow pointing to the 'EHS Quantity' field (2200) in the table above.

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Submissions Listing Page Add sect 311 Report for NEW Chemicals

311 Reports

New 311

Record Number	Initiated Date	Certified Date	View	Edit	Delete	Report Status
6396	1/31/2008 10:49:16 AM	1/31/2008 10:49:25 AM	View			Active
6386	1/29/2008 10:57:28 AM	1/29/2008 10:57:34 AM	View			Active
6383	1/24/2008 11:02:33 AM	1/24/2008	View			Active

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311 is for chemicals not already on the Tier Two report

Is this an Initial Submission or an Update? Initial Update

Chemical Information

Select Chemical from Tier II	Search By CAS/Chemical Name	Threshold Exceed Date	CAS	Chemical Name
		1/15/2009	8008-20-6	FUEL OIL NO. 1

*The Select Chemical from Tier II lookup will only return chemicals existing in the current Tier II data identified as Extremely Hazardous Substance (EHS) with a quantity above its Threshold Planning Quantity (TPQ).

Save and Continue

TIER TWO REPORT

QUESTIONS?

MICHIGAN SARA TITLE III PROGRAM

517-373-8481

www.michigan.gov/sara

deq-sara@michigan.gov

(New email)

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