

planning committee appointed by the emergency response commission.
* * * * *

State means any State of the United States, the District of Columbia, the Commonwealth of Puerto Rico, Guam, American Samoa, the United States Virgin Islands, the Northern Mariana Islands, and any other territory or possession over which the United States has jurisdiction and Indian Country.
* * * * *

PART 355—EMERGENCY PLANNING AND NOTIFICATION

3. The authority citation for part 355 continues to read as follows:

Authority: 42 U.S.C. 11002, 11003, 11004, 11045, 11048, 11049.

4. Section 355.20 is amended by revising the definitions of *commission* and *facility* and by adding the definitions, *Chief Executive Officer of the tribe*, *committee*, *Indian Country*, *Indian tribe*, and *state* to read as follows:

§ 355.20 Definitions.
* * * * *

Chief Executive Officer of the tribe means the person who is recognized by the Bureau of Indian Affairs as the chief elected administrative officer of the tribe.

Commission means the emergency response commission for the State in which the facility is located except where the facility is located in Indian Country, in which case, *commission* means the emergency response commission for the tribe under whose jurisdiction the facility is located. In absence of an emergency response commission, the Governor and the chief executive officer, respectively, shall be the commission. Where there is a cooperative agreement between a State and a Tribe, the commission shall be the entity identified in the agreement.

Committee or Local emergency planning committee means the local emergency planning committee appointed by the emergency response commission.
* * * * *

Facility means all buildings, equipment, structure, and other stationary items that are located on a single site or on contiguous or adjacent sites and which are owned or operated by the same person (or by any person which controls, is controlled by, or under common control with, such person). *Facility* shall include manmade structures in which chemicals are purposefully placed or removed through human means such that it functions as a

containment structure for human use. For purposes of emergency release notification, the term includes motor vehicles, rolling stock, and aircraft.
* * * * *

Indian Country means *Indian country* as defined in 18 U.S.C. 1151. That section defines Indian country as:

(a) All land within the limits of any Indian reservation under the jurisdiction of the United States government, notwithstanding the issuance of any patent, and including rights-of-way running through the reservation;

(b) All dependent Indian communities within the borders of the United States whether within the original or subsequently acquired territory thereof, and whether within or without the limits of a State; and

(c) All Indian allotments, the Indian titles to which have not been extinguished, including rights-of-way running through the same.

Indian tribe means those tribes federally recognized by the Secretary of the Interior.
* * * * *

State means any State of the United States, the District of Columbia, the Commonwealth of Puerto Rico, Guam, American Samoa, the United States Virgin Islands, the Northern Mariana Islands, any other territory or possession over which the United States has jurisdictions and Indian Country.
* * * * *

PART 370—HAZARDOUS CHEMICAL REPORTING: COMMUNITY RIGHT-TO-KNOW

5. The authority citation for part 370 continues to read as follows:

Authority: 42 U.S.C. 11011, 11012, 11024, 11025, 11028, 11029.

6. Section 370.2 is amended by revising the definitions of *facility*, *commission*, *Committee*, and *State* and by adding the definitions, *chief Executive Officer of the tribe*, *Indian Country*, and *Indian tribe* to read as follows:

§ 370.2 Definitions.
* * * * *

Chief Executive Officer of the tribe means the person who is recognized by the Bureau of Indian Affairs as the chief elected administrative officer of the tribe.

Commission means the emergency response commission for the State in which the facility is located except where the facility is located in Indian Country, in which case, *commission* means the emergency response commission for the Tribe under whose jurisdiction the facility is located. In

absence of an emergency response commission, the Governor and the chief executive officer, respectively, shall be the commission. Where there is a cooperative agreement between a State and a Tribe, the commission shall be the entity identified in the agreement.

Committee or local emergency planning committee means the local emergency planning committee appointed by the emergency response commission.
* * * * *

Facility means all buildings, equipment, structure, and other stationary items that are located on a single site or on contiguous or adjacent sites and which are owned or operated by the same person (or by any person which controls, is controlled by, or under common control with, such person). *Facility* shall include manmade structures as well as all natural structures in which chemicals are purposefully placed or removed through human means such that it functions as a containment structure for human use. For purposes of emergency release notification, the term includes motor vehicles, rolling stock, and aircraft.
* * * * *

Indian Country means *Indian country* as defined in 18 U.S.C. 1151. That section defines Indian country as:

(a) All land within the limits of any Indian reservation under the jurisdiction of the United States government, notwithstanding the issuance of any patent, and including rights-of-way running through the reservation;

(b) All dependent Indian communities within the border of the United States whether within the original or subsequently acquired territory thereof, and whether within or without the limits of a State; and

(c) All Indian allotments, the Indian titles to which have not been extinguished, including rights-of-way running through the same.

Indian tribe means those tribes federally recognized by the Secretary of the Interior.
* * * * *

State means any State of United States, the District of Columbia, the Commonwealth of Puerto Rico, Guam, American Samoa, the United States Virgin Islands, the Northern Mariana Islands, and any other territory or possession over which the United States has jurisdiction and Indian Country.
* * * * *

7. Section 370.20 is revised to read as follows:

§ 370.20 Applicability.

(a) *General.* The requirements of this subpart apply to any facility that is required to prepare or have available a material safety data sheet (MSDS) for a hazardous chemical under the Occupational Safety and Health Act of 1970 and regulations promulgated under that Act.

(b) *Minimum threshold levels.* Except as provided in paragraph (b)(3) of this section, the minimum threshold level for reporting under this subpart shall be as specified in paragraphs (b)(1) and (b)(2) of this section.

(1) The owner or operator of a facility subject to this subpart shall submit an MSDS on or before October 17, 1990 (or within three months after the facility first becomes subject to this subpart), for all hazardous chemicals present at the facility at any one time in amounts equal to or greater than 10,000 pounds (or 4,540 kgs.) and for all extremely hazardous substances present at the facility in an amount greater than or equal to 500 pounds (or 227 kgs.—approximately 55 gallons) or the TPQ, whichever is lower.

(2) The owner or operator of a facility subject to this subpart shall submit the Tier I form (or Tier II form) on or before March 1, 1991 (or March 1 of the first year after the facility first becomes a subject to this subpart), and annually thereafter, covering all hazardous chemicals present at a facility at any one time during the preceding calendar year in amounts equal to or greater than 10,000 pounds (or 4,540 kgs.) and extremely hazardous substances present at the facility in an amount greater than

or equal to 500 pounds (or 227 kgs.—approximately 55 gallons) or the TPQ, whichever is lower.

(3) The minimum threshold for reporting in response to requests for submission of an MSDS or a Tier II form under §§ 370.21(d) and 370.25(c) of this part shall be zero.

8. Section 370.28 is revised to read as follows:

§ 370.28 Mixtures.

(a) *Basic reporting.* The owner or operator of a facility may meet the reporting requirements of §§ 370.21 (MSDS reporting) and 370.25 (inventory form reporting) of this subpart for a hazardous chemical that is a mixture of hazardous chemicals by:

(1) Providing the required information on each component in the mixture which is a hazardous chemical; or

(2) Providing the required information on the mixture itself, so long as the reporting of mixtures by a facility under § 370.25 is in the same manner as under § 370.21, where practicable.

(b) *Calculation of the quantity.* (1) If the reporting is on each component of the mixture which is a hazardous chemical, then the concentration of the hazardous chemical, in weight percent (greater than 1% or 0.1% if carcinogenic) shall be multiplied by the mass (in pounds) of the mixture to determine the quantity of the hazardous chemical in the mixture.

(2) If the reporting is on the mixture itself, the total quantity of the mixture shall be reported.

(c) *Aggregation of extremely hazardous substances.* (1) To determine

whether the reporting threshold for an extremely hazardous substance has been equaled or exceeded, the owner or operator of a facility shall aggregate the following:

(i) The quantity of the extremely hazardous substance present as a component in all mixtures at the facility, and

(ii) All other quantities of the extremely hazardous substance present at the facility.

If the aggregate quantity of an extremely hazardous substance equals or exceeds the reporting threshold, the substance shall be reported.

(2) If extremely hazardous substances are being reported and are components of a mixture at a facility, the owner or operator of a facility may report either:

(i) The mixture, as a whole, even if the total quantity of the mixture is below its reporting threshold; or

(ii) The extremely hazardous substance component(s) of the mixture.

9. Section 370.40 is revised to read as follows:

§ 370.40 Tier I emergency and hazardous chemical inventory form.

(a) The form set out in paragraph (b) of this section shall be completed and submitted as required in § 370.25(a) of this part. In lieu of the form set out in paragraph (b) of this section, the facility owner or operator may submit a State or local form that contains identical content.

(b) Tier I Emergency and Hazardous Chemical Inventory Form.

BILLING CODE 6560-50-M

Revised June 1990

Tier One **EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY**
Aggregate Information by Hazard Type

FOR OFFICIAL USE ONLY

ID# _____
Date Received _____

Important: Read instructions before completing form

Reporting Period From January 1 to December 31, 19____

Facility Identification
Name _____
Street _____
City _____ County _____ State _____ Zip _____
SIC Code [][][][][] Dun & Brad Number [][]-[][][][]-[][][][][]

Emergency Contacts
Name _____
Title _____
Phone () _____
24 Hour Phone () _____

Name _____
Title _____
Phone () _____
24 Hour Phone () _____

Owner/Operator
Name _____
Mail Address _____
Phone () _____

Check if information below is identical to the information submitted last year.

Hazard Type	Max Amount*	Average Daily Amount*	Number of Days On-Site	General Location	<input type="checkbox"/>
					Check if site plan is attached
Fire	[][]	[][]	[][][]	_____	
Sudden Release of Pressure	[][]	[][]	[][][]	_____	
Reactivity	[][]	[][]	[][][]	_____	

Health Hazards	Immediate (acute)	[][]	[][]	[][][]	_____
	Delayed (Chronic)	[][]	[][]	[][][]	_____

Certification *(Read and sign after completing all sections)*

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through _____, 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.

Name and official title of owner/operator OR owner/operator's authorized representative

Signature _____ Date signed _____

* Reporting Ranges

Range Code	Weight Range in Pounds From...	To...
01	0	99
02	100	999
03	1000	9,999
04	10,000	99,999
05	100,000	999,999
06	1,000,000	9,999,999
07	10,000,000	49,999,999
08	50,000,000	99,999,999
09	100,000,000	499,999,999
10	500,000,000	999,999,999
11	1 billion	higher than 1 billion

BILLING CODE 6560-50-C

Tier One Instructions

General Information

Submission of this form is required by Title III of the Superfund Amendments and Reauthorization Act of 1986, Title III, Section 312, Public Law 99-499, codified at 42 U.S.C. § 11022.

Certification

The owner or operator or the officially designated representative of the owner or operator must certify that all information included in the Tier I submission is true, accurate, and complete. On the Tier I form, enter your full name and official title. Sign your name and enter the current date. Also, enter the total number of pages in the submission, including all attachments.

The purpose of this form is to provide State and local officials and the public with information on the general types and locations of hazardous chemicals present at your facility during the past year.

You must provide all information requested on this form.

You may substitute the Tier Two form for this Tier One form. (The Tier Two form provides detailed information and must be submitted in response to a specific request from State or local officials.)

Who Must Submit This Form

Section 312 of Title III requires that the owner or operator of a facility submit this form if, under regulations implementing the Occupational Safety and Health Act of 1970, the owner or operator is required to prepare or have available Material Safety Data Sheets (MSDS) for hazardous chemicals present at the facility. MSDS requirements are specified in the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, found in Title 29 of the Code of Federal Regulations at § 1910.1200.

This form does not have to be submitted if all of the chemicals located at your facility are excluded under Section 311(e) of Title III or if the weight of each covered hazardous chemical never equals or exceeds the minimum threshold listed in Title III Section 312 during the reporting year.

What Chemicals Are Included

You must report the information required on this form for every hazardous chemical for which you are required to prepare or have available an MSDS under the Hazard Communication Standard, unless the chemicals are excluded under Section 311(e) of Title III

or they are below the minimum reporting thresholds.

What Chemicals Are Excluded

Section 311(e) of Title III excludes the following substances:

(i) Any food, food additive, color additive, drug, or cosmetic regulated by the Food and Drug Administration;

(ii) 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;

(iii) Any substance to the extent it is used for personal, family, or household purposes, or is present in the same form and concentration as a product packaged for distribution and use by the general public.

(iv) Any substance to the extent it is used in a research laboratory or a hospital or other medical facility under the direct supervision of a technically qualified individual;

(v) Any substance to the extent it is used in routine agricultural operations or is a fertilizer held for sale by a retailer to the ultimate customer. OSHA regulations, Section 1910.1200(b), stipulate exemptions from the requirement to prepare or have available an MSDS.

Reporting Thresholds

Minimum thresholds have been established for Tier One/Tier Two reporting under Title III, Section 312. These thresholds are as follows:

For Extremely Hazardous Substances (EHSs) designated under section 302 of Title III, the reporting threshold is 500 pounds (or 227 kg.) or the threshold planning quantity (TPQ), whichever is lower:

For all other hazardous chemicals for which facilities are required to have or prepare an MSDS, the minimum reporting threshold is 10,000 pounds (or 4,540 kg.).

You need to report hazardous chemicals that were present at your facility at any time during the previous calendar year at levels that equal or exceed these thresholds. For instructions on threshold determinations for components of mixtures, see "What About Mixtures?" on page 3 of these instructions.

When To Submit This Form

Owners or operators of facilities that have hazardous chemicals on hand in quantities equal to or greater than set threshold levels must submit either Tier One or Tier Two Forms by March 1.

Where to Submit This Form

Send one completed inventory form to each of the following organizations:

1. Your State emergency response commission.
2. Your local emergency planning committee.
3. The fire department with jurisdiction over your facility.

Penalties

Any owner or operator of a facility who fails to submit or supplies false Tier One information shall be liable to the United States for a civil penalty of up to \$25,000 for each such violation. Each day a violation continues shall constitute a separate violation. In addition, any citizen may commence a civil action on his or her own behalf against any owner or operator who fails to submit Tier One information.

Instructions

Please Read These Instructions Carefully. Print or Type all Responses

You may use the Tier Two form as a worksheet for completing Tier One. Filling in the Tier Two chemical information section should help you assemble your Tier One responses.

If your responses require more than one page, fill in the page number at the top of the form.

Reporting Period

Enter the appropriate calendar year, beginning January 1 and ending December 31.

Facility Identification

Enter the complete name of your facility (and company identifier where appropriate).

Enter the full street address or state road. If a street address is not available, enter other appropriate identifiers that described the physical location of your facility (e.g., longitude and latitude). Include city, county, state, and zip code.

Enter the primary Standard Industrial Classification (SIC) code and the Dun & Bradstreet number of your facility. The financial officer of your facility should be able to provide the Dun & Bradstreet number. If your firm does not have this information, contact the State or regional office of Dun & Bradstreet to obtain your facility number or have one assigned.

Owner/Operator

Enter the owner's or operator's full name, mailing address, and phone number.

Emergency Contact

Enter the name, title, and work phone number of at least one local person or office that can act as a referral if emergency responders need assistance

in responding to a chemical accident at the facility.

Provide an emergency phone number where such emergency information will be available 24 hours a day, every day. This requirement is mandatory. The facility must make some arrangement to ensure that a 24 hour contact is available.

Identical Information

Check the box indicating identical information, located below the emergency contacts on the Tier One form, if the current information being reported is identical to that submitted last year. Chemical descriptions, amounts, and locations must be provided in this year's form, even if the information is identical to that submitted last year.

Physical and Health Hazards

Descriptions, Amounts, and Locations
This section requires aggregate information on chemicals by hazard categories as defined in 40 CFR 370.2. The two health hazard categories and three physical hazard categories are a consolidation of the 23 hazard categories defined in the OSHA Hazard Communication Standard, 29 CFR 1910.1200. For each hazard type, indicate the total amounts and general locations of all applicable chemicals present at your facility during the past year.

HAZARD CATEGORY COMPARISON FOR REPORTING UNDER SECTIONS 311' and 312

EPA's hazard categories	OSHA's hazard categories
Fire Hazard.....	Flammable Combustion Liquid Pyrophoric Oxidizer
Sudden Release of Pressure. Reactive.....	Explosive Compressed Gas Unstable Reactive Organic Peroxide Water Reactive
Immediate (Acute) Health Hazards.	Highly Toxic Toxic Irritant Sensitizer Corrosive
.....	Other hazardous chemicals with an adverse effect with short term exposure.
Delayed (Chronic) Health Hazard.	Carcinogens
.....	Other hazardous chemicals with an adverse effect with long term exposure.

• What units should I use?
Calculate all amounts as *weight in pounds*. To convert gas or liquid volume

to weight in pounds, multiply by an appropriate density factor.

Instructions

Please Read These Instructions Carefully. Print or Type all Responses

•What about mixtures?

If a chemical is part of a mixture, *you have the option* of reporting either the weight of the entire mixture or only the portion of the mixture that is a particular hazardous chemical (e.g., if a hazardous solution weighs 100 lbs. but is composed of only 5% of a particular hazardous chemical, you can indicate either 100 lbs. of the mixture of 5 lbs. of the hazardous chemical).

The option used for each mixture must be consistent with the option used in your Section 311 reporting.

Because EHSs are important to Section 303 planning, EHSs have lower thresholds. The amount of an EHS at a facility (both pure EHS substances and EHSs in mixtures) must be aggregated for purposes of threshold determination. It is suggested that the aggregation calculation be done as a first step in making the threshold determination.

Once you determine whether a threshold has been reached for an EHS, you should report either the total weight of the EHS at your facility, or the weight of each mixture containing the EHS.

•Where do I count a chemical that is a fire and reactive physical hazard and an immediate (acute) health hazard?

Add the chemical's weight to your totals for all three hazard categories and include its location in all three categories. Many chemicals fall into more than one hazard category.

Maximum Amount

The amounts of chemicals you have on hand may vary throughout the year. The peak weights—greatest single-day weights during the year—are added together in this column to determine the maximum weight for each hazard type. Since the peaks for different chemicals often occur on different days, this maximum amount will seem artificially high.

To complete this and the following sections, you may choose to use the Tier Two form as a worksheet.

To determine the Maximum Amount:

1. List all of your reportable hazardous chemicals individually.
2. For each chemical . . .
 - a. Indicate all physical and health hazards that the chemical presents. Include all chemicals, even if they are present for only a short period of time during the year.
 - b. Estimate the maximum weight in pounds that was present at your facility

on any single day of the reporting period.

3. For each hazard type—beginning with Fire and repeating for all physical and health hazard types . . .

a. Add the maximum weights of all chemicals you indicated as the particular hazard type.

b. Look at the Reporting Ranges at the bottom of the Tier One form. Find the appropriate range value code.

c. Enter this range value as the Maximum Amount.

Example: You are using the Tier Two form as a worksheet and have listed raw weights in pounds for each of your hazardous chemicals. You have marked an X in the immediate (acute) hazard column for phenol and sulfuric acid. The maximum amount raw weight you listed were 10,000 lbs. and 500 lbs. respectively. You add these together to reach a total of 10,500 lbs. Then you look at the Reporting Range at the bottom of your Tier One form and find that the value of 04 corresponds to 10,500 lbs. Enter 04 as your Maximum Amount for Immediate (acute) hazards materials.

You also marked an X in the Fire hazard box for phenol. When you calculate your Maximum Amount totals for fire hazards, add the 10,000 lb. weight again.

Average Daily Amount

This column should represent the average daily amount of chemicals of *each hazard type* that were present at or above applicable thresholds at your facility at any point during the year.

To determine this amount:

1. List all of your reportable hazardous chemicals individually (same as for Maximum Amount).

2. For each chemical . . .

a. Indicate all physical and health hazards that the chemical presents (same as for Maximum Amount).

b. Estimate the average weight in pounds that was present at your facility throughout the year. To do this, total all daily weights and divide by the number of days the chemical was present on the site.

3. For each hazard type—beginning with Fire and repeating for all physical and health hazards . . .

a. Add the average weights of all chemicals you indicated for the particular hazard type.

b. Look at the Reporting Ranges at the bottom of the Tier One form. Find the appropriate range value code.

c. Enter this range value as the Average Daily Amount.

Instructions

Please Read These Instructions Carefully. Print or Type all Responses

Example: You are using the Tier Two form, and have marked an X in the immediate (acute) hazard column for nicotine and phenol. Nicotine is present at your facility 100 days during the year, and the sum of the daily weights is 100,000 lbs. By dividing 100,000 lbs. by 100 days on-site, you calculate an Average Daily Amount of 1,000 lbs. for nicotine. Phenol is present at your facility 50 days during the year, and the sum of the daily weights is 10,000 lbs. By dividing 10,000 lbs. by 50 days on-site, you calculate an Average Daily Amount of 200 lbs. for phenol. You then add the two average daily amounts together to reach a total of 1,200 lbs. Then you look at the Reporting Range on your Tier One form and find that the value 03 corresponds to 1,200 lbs. Enter 03 as your Average Daily Amount for Immediate (acute) Hazard.

You also marked an X in the Fire hazard column for phenol. When you calculate your Average Daily Amount for fire hazards, use the 200 lb. weight again.

Number of Days On-Site

Enter the greatest number of days that a single chemical within that hazard category was present on-site.

Example: At your facility, nicotine is present for 100 days and phosgene is present for 150 days. Enter 150 in the space provided.

General Location

Enter the general location within your facility where each hazard may be found. General locations should include the names or identifications of buildings, tank fields, lots, sheds, or other such areas.

For each hazard type, list the locations of all applicable chemicals. As an alternative you may also attach a site plan and list the site coordinates related to the appropriate locations. If you do so, check the Site Plan box.

Example: On your worksheet you have marked an X in the Fire hazard column for acetone and butane. You noted that these are kept in steel drums in Room C of the Main Building, and in pressurized cylinders in Storage Shed 13, respectively. You could enter Main Building and Storage Shed 13 as the General Locations of your fire hazards.

However, you choose to attach a site plan and list coordinates. Check the Site Plan box at the top of the column and enter site coordinates for the Main Building and Storage Shed 13 under General Locations.

If you need more space to list locations, attach an additional Tier One form and continue your list on the proper line. Number all pages.

Certification

Instructions for this section are included on page one of these instructions.

10. Section 370.41 is revised to read as follows:

§ 370.41 Tier II emergency and hazardous chemical inventory form.

(a) The form set out in paragraph (b) of this section shall be completed and submitted as required in § 370.25 of this part. In lieu of the form set out in paragraph (b) of this section, the facility owner or operator may submit a State or local form that contains identical content.

(b) Tier II Emergency and Hazardous Chemical Inventory Form.

BILLING CODE 6560-50-M

Revised June 1990

Tier Two
EMERGENCY
AND
HAZARDOUS
CHEMICAL
INVENTORY

Name _____
Street _____
City _____ County _____ State _____ Zip _____

SIC Code _____
Dun & Brad
Number _____

Owner/Operator Name
Name _____ Phone _____
Mail Address _____
Emergency Contact
Name _____ Title _____
Phone _____ 24 Hr. Phone _____
Name _____ Title _____
Phone _____ 24 Hr. Phone _____

**FOR
OFFICIAL
USE
ONLY**

D.S. _____
Date Received _____

Important: Read all instructions before completing form

Reporting Period
From January 1 to December 31, 19 _____

Check if information below is identical to the information submitted last year.

Chemical Description

Physical and Health Hazards
(check all that apply)

Storage Codes and Locations
(Non-Confidential)
Storage Locations

CAS _____ Trade Secret

Chem. Name _____

Check all that apply: Pure Mix Solid Liquid Gas EHS

EHS Name _____

Fire _____
Sudden Release of Pressure _____
Reactivity _____
Immediate (acute) _____
Delayed (chronic) _____

Inventory

Max. Daily Amount (code) _____
Avg. Daily Amount (code) _____
No. of Days On-site (days) _____

Container Type _____
Temperature _____
Pressure _____

CAS _____ Trade Secret

Chem. Name _____

Check all that apply: Pure Mix Solid Liquid Gas EHS

EHS Name _____

Fire _____
Sudden Release of Pressure _____
Reactivity _____
Immediate (acute) _____
Delayed (chronic) _____

Max. Daily Amount (code) _____
Avg. Daily Amount (code) _____
No. of Days On-site (days) _____

Container Type _____
Temperature _____
Pressure _____

Certification *(Read and sign after completing all sections)*

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through _____, 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 have attached a site plan
 I have attached a list of site coordinate abbreviations
 I have attached a description of dikes and other safeguard measures

Name and official title of owner/operator OR owner/operator's authorized representative _____

Signature _____
Date signed _____

Optional Attachments

Tier Two EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY Specific Information by Chemical	Facility Identification Name _____ Street _____ City _____ County _____ State _____ Zip _____ SIC Code [][] [][] [][] [][] Dun & Brad Number [][] [][] [][] [][] [][] FOR OFFICIAL USE ONLY D# [][] Date Received _____	Owner/Operator Name Name _____ Phone () _____ Mail Address _____ Emergency Contact Name _____ Title _____ Phone () _____ 24 Hr. Phone () _____ Name _____ Title _____ Phone () _____ 24 Hr. Phone () _____
--------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Important: Read all instructions before completing form

Reporting Period From January 1 to December 31, 19 _____

Check if information below is identical to the information submitted last year.

Confidential Location Information Sheet Storage Codes and Locations (Confidential) Storage Locations		Public Comment Temporarily Restricted	Hazard
CAS # [][] [][] [][] [][] [][] [][] [][] [][] [][]	Chem. Name _____	[][] [][] [][] [][] [][] [][] [][] [][] [][] [][]	[] []
CAS # [][] [][] [][] [][] [][] [][] [][] [][] [][]	Chem. Name _____	[][] [][] [][] [][] [][] [][] [][] [][] [][] [][]	[] []
CAS # [][] [][] [][] [][] [][] [][] [][] [][] [][]	Chem. Name _____	[][] [][] [][] [][] [][] [][] [][] [][] [][] [][]	[] []

Optional Attachments

I have attached a site plan
 I have attached a list of site coordinate abbreviations
 I have attached a description of dikes and other safeguard measures

Signature _____ Date signed _____

Tier Two Instructions*General Information*

Submission of this Tier Two form (when requested) is required by Title III of the Superfund Amendments and Reauthorization Act of 1986, Section 312, Public Law 99-499, codified at 42 U.S.C. Section 11022. The purpose of this Tier Two form is to provide State and local officials and the public with specific information on hazardous chemicals present at your facility during the past year.

Certification

The owner or operator or the officially designated representative of the owner or operator must certify that all information included in the Tier Two submission is true, accurate, and complete. On the first page of the Tier Two report, enter your full name and official title. Sign your name and enter the current date. Also, enter the total number of pages included in the Confidential and Non-Confidential Information Sheets as well as all attachments. An original signature is required on at least the first page of the submission. Submissions to the SERC, LEPC, and fire department must each contain an original signature on at least the first page. Subsequent pages must contain either an original signature, a photocopy of the original signature, or a signature stamp. Each page must contain the date on which the original signature was affixed to the first page of the submission and the total number of pages in the submission.

You Must Provide All Information Requested on This Form to Fulfill Tier Two Reporting Requirements

This form may also be used as a worksheet for completing the Tier One form or may be submitted in place of the Tier One form.

Who Must Submit This Form

Section 312 of Title III requires that the owner or operator of a facility submit this Tier Two form if so requested by a State emergency response commission, a local emergency planning committee, or a fire department with jurisdiction over the facility.

This request may apply to the owner or operator of any facility that is required, under regulations implementing the Occupational Safety and Health Act of 1970, to prepare or have available a Material Safety Data Sheet (MSDS) for a hazardous chemical present at the facility. MSDS requirements are specified in the Occupational Safety and Health Administration (OSHA) Hazard

Communication Standard, found in Title 29 of the Code of Federal Regulations at § 1910.1200.

This form does not have to be submitted if all of the chemicals located at your facility are excluded under Section 311(e) of Title III.

What Chemicals are Included

If you are submitting Tier Two forms in lieu of Tier One, you must report the required information on this Tier Two form for each hazardous chemical present at your facility in quantities equal to or greater than established threshold amounts (discussed below), unless the chemicals are excluded under Section 311(e) of Title III. Hazardous chemicals are any substance for which your facility must maintain an MSDS under OSHA's Hazard Communication Standard.

If you elect to submit Tier One rather than Tier Two, you may still be required to submit Tier Two information upon request.

What Chemicals are Excluded

Section 311(e) of Title III excludes the following substances:

- (i) Any food, food additive, color additive, drug, or cosmetic regulated by the Food and Drug Administration;
- (ii) 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;
- (iii) Any substance to the extent it is used for personal, family, or household purposes, or is present in the same form and concentration as a product packaged for distribution and use by the general public;
- (iv) Any substance to the extent it is used in a research laboratory or a hospital or other medical facility under the direct supervision of a technically qualified individual;
- (v) Any substance to the extent it is used in routine agricultural operations or is a fertilizer held for sale by a retailer to the ultimate customer.

OSHA regulations, § 1910.1200(b), stipulate exemptions from the requirement to prepare or have available an MSDS.

Reporting Thresholds

Minimum thresholds have been established for Tier One/Tier Two reporting under Title III, Section 312. These thresholds are as follows:

For Extremely Hazardous Substances (EHSs) designated under section 302 of Title III, the reporting threshold is 500 pounds (or 227 kg.) or the threshold planning quantity (TPQ), whichever is lower;

For all other hazardous chemicals for which facilities are required to have or prepare an MSDS, the minimum reporting threshold is 10,000 pounds (or 4,540 kg.).

You need to report hazardous chemicals that were present at your facility at any time during the previous calendar year at levels that equal or exceed these thresholds. For instructions on threshold determinations for components of mixtures, see "What About Mixtures?" on page 2 of these instructions.

A requesting official may limit the responses required under Tier Two by specifying particular chemicals or groups of chemicals. Such requests apply to hazardous chemicals regardless of established thresholds.

Instructions

Please read these instructions carefully. Print or Type all Responses

When to Submit This Form

Owners or operators of facilities that have hazardous chemicals on hand in quantities equal to or greater than set threshold levels must submit either Tier One or Tier Two forms by March 1.

If you choose to submit Tier One, rather than Tier Two, be aware that you may have to submit Tier Two information later, upon request of an authorized official. You must submit the Tier Two form within 30 days of receipt of a written request.

Where to Submit This Form

Send either a completed Tier One form or Tier Two form(s) to each of the following organizations:

1. Your State Emergency Response Commission.
2. Your Local Emergency Planning Committee.
3. The fire department with jurisdiction over your facility.

If a Tier Two form is submitted in response to a request, send the completed form to the requesting agency.

Penalties

Any owner or operator who violates any Tier Two reporting requirements shall be liable to the United States for a civil penalty of up to \$25,000 for each such violation. Each day a violation continues shall constitute a separate violation.

If your Tier Two responses require more than one page use additional forms and fill in the page number at the top of the form.

Reporting Period

Enter the appropriate calendar year, beginning January 1 and ending December 31.

Facility Identification

Enter the full name of your facility (and company identifier where appropriate).

Enter the full street address or state road. If a street address is not available, enter other appropriate identifiers that describe the physical location of your facility (e.g., longitude and latitude). Include city, county, state, and zip code.

Enter the primary Standard Industrial Classification (SIC) code and the Dun & Bradstreet number for your facility. The financial officer of your facility should be able to provide the Dun & Bradstreet number. If your firm does not have this information, contact the State or regional office of Dun & Bradstreet to obtain your facility number or have one assigned.

Owner/Operator

Enter the owner's or operator's full name, mailing address, and phone number.

Emergency Contact

Enter the name, title, and work phone number at least one local person or office who can act as a referral if emergency responders need assistance in responding to a chemical accident at the facility.

Provide an emergency phone number where such emergency information will be available 24 hours a day, every day. The requirement is mandatory. The facility must make some arrangement to ensure a 24 hour contact is available.

Identical Information

Check the box indicating identical information, located below the emergency contacts on the Tier Two form, if the current chemical information being reported is identical to that submitted last year. Chemical descriptions, hazards, amounts, and locations must be provided in this year's form, even if the information is identical to that submitted last year.

Chemical Information: Description, Hazards, Amounts, and Locations

The main section of the Tier Two form requires specific information on amounts and locations of hazardous chemicals, as defined in the OSHA Hazard Communication Standard.

If you choose to indicate that all of the information on a specific hazardous chemical is identical to that submitted last year, check the appropriate optional box provided at the right side of the

storage codes and locations on the Tier Two form. Chemical descriptions, hazards, amounts, and locations must be provided even if the information is identical to that submitted last year.

- What units should I use?

Calculated all amounts as *weight in pounds*. To convert gas or liquid volume to weight in pounds, multiply by an appropriate density factor.

- What about mixtures?

If a chemical is part of a mixture, you have the option of reporting either the weight of the entire mixture or only the portion of the mixture that is a particular hazardous chemical (e.g., if a hazardous solution weighs 100 lbs. but is composed of only 5% of a particular hazardous chemical, you can indicate either 100 lbs. of the mixture or 5 lbs. of the chemical).

The option used for each mixture must be consistent with the option used in your Section 311 reporting.

Because EHSs are important to Section 303 planning, EHSs have lower thresholds. The amount of an EHS at a facility (both pure EHS substances and EHSs in mixtures) must be aggregated and purposes of threshold determination. It is suggested that the aggregation calculation be done as a first step in making the threshold determination. Once you determine whether a threshold for an EHS has been reached, you should report either the total weight of the EHS at your facility, or the weight of each mixture containing the EHS.

Chemical Description

1. Enter the Chemical Abstract Service registry number (CAS). For mixtures, enter the CAS number of the mixture as a whole if it has been assigned a number distinct from its constituents. For a mixture that has no CAS number, leave this item blank or report the CAS numbers of as many constituent chemicals as possible.

If you are withholding the name of a chemical in accordance with criteria specified in Title III, Section 322, enter the generic class or category that is structurally descriptive of the chemical (e.g., list toluene diisocyanate as organic isocyanate) and check the box marked Trade Secret. Trade secret information should be submitted to EPA and must include a substantiation. Please refer to EPA's final regulation on trade secrecy (53 FR 28772, July 29, 1988) for detailed information on how to submit trade secrecy claims.

2. Enter the chemical name or common name of each hazardous chemical.

3. Check box for ALL applicable descriptors: pure or mixture; and solid,

liquid, or gas; and whether the chemical is or contains an EHS.

4. If the chemical is a mixture containing an EHS, enter the chemical name of each EHS in the mixture.

Example: You have pure chlorine as on hand, as well as two mixtures that contain liquid chlorine. You write "chlorine" and enter the CAS number. Then you check "pure" and "mix"—as well as "liquid" and "gas".

Physical and Health Hazards

For each chemical you have listed, check all the physical and health hazard boxes that apply. These hazard categories are defined in 40 CFR 370.2. The two health hazard categories and three physical hazard categories are a consolidation of the 23 hazard categories defined in the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

HAZARD CATEGORY COMPENSATION FOR REPORTING UNDER SECTIONS 311 AND 312

EPA's hazard categories	OSHA's hazard categories
Fire Hazard	Flammable Combustion Liquid Pyrophoric Oxidizer
Sudden Release of Pressure. Reactive	Explosive Compressed Gas Unstable Reactive
Immediate (Acute) Health Hazards.	Organic Peroxide Water Reactive Highly Toxic Toxic Irritant Sensitizer Corrosive Other hazardous chemicals with an adverse effect with short term exposure
Delayed (Chronic) Health Hazard.	Carcinogens Other hazardous chemicals with an adverse effect with long term exposure

Maximum Amount

1. For each hazardous chemical, estimate the greatest amount present at your facility on any single day during the reporting period.

2. Find the appropriate range value code in Table I.

3. Enter this range value as the Maximum Amount.

TABLE I—REPORTING RANGES

Range value	Weight range in pounds	
	From	To
01.....	0.....	99
02.....	100.....	999

TABLE I—REPORTING RANGES—
Continued

Range value	Weight range in pounds	
	From	To
03.....	1,000.....	9,999
04.....	10,000.....	99,999
05.....	100,000.....	999,999
06.....	1,000,000.....	9,999,999
07.....	10,000,000.....	49,999,999
08.....	50,000,000.....	99,999,999
09.....	100,000,000.....	499,999,999
10.....	500,000,000.....	999,999,999
11.....	1 billion.....	higher than 1 billion

If you are using this form as a worksheet for completing Tier One, enter the actual weight in pounds in the shaded space below the response blocks. Do this for both Maximum Amount and Average Daily Amount.

Example: You received one large shipment of a solvent mixture last year. The shipment filled five 5,000-gallon storage tanks. You know that the solvent contains 10% benzene, which is a hazardous chemical.

You figure that 10% of 25,000 gallons is 2,500 gallons. You also know that the density of benzene is 7.29 pounds per gallon, so you multiply 2,500 gallons by 7.29 pounds per gallon to get a weight of 18,225 pounds.

Then you look at Table I and find that the range value 04 corresponds to 18,225. You enter 04 as the Maximum Amount.

(If you are using the form as a worksheet for completing a Tier One form, you should write 18,255 in the shaded area.)

Average Daily Amount

1. For each hazardous chemical, estimate the average weight in pounds that was present at your facility during the year.

To do this, total all daily weights and divide by the number of days the chemical was present on the site.

2. Find the appropriate range value in Table I.

3. Enter this range value as the Average Daily Amount.

Example: The 25,000-gallon shipment of solvent you received last year was gradually used up and completely gone in 315 days. The sum of the daily volume levels in the tank is 4,536,000 gallons. By dividing 4,536,000 gallons by 315 days on-site, you calculate an average daily amount of 14,400 gallons.

You already know that the solvent contains 10% benzene, which is a hazardous chemical. Since 10% of 14,400 is 1,440, you figure that you had an average of 1,440 gallons of benzene. You

also know that the density of benzene is 7.29 pounds per gallon, so you multiply 1,440 by 7.29 to get a weight of 10,500 pounds.

Then you look at Table I and find that the range value 04 corresponds to 10,500. You enter 04 as the Average Daily Amount.

(If you are using the form as a worksheet for completing a Tier One form, you should write 10,500 in the shaded area.)

Number of Days On-Site

Enter the number of days that the hazardous chemical was found on-site.

Example: The solvent composed of 10% benzene was present for 315 days at your facility. Enter 315 in the space provided.

Storage Codes and Storage Locations

List all non-confidential chemical locations in this column, along with storage types/conditions associated with each location. Please note that a particular chemical may be located in several places around the facility. Each row of boxes followed by a line represents a unique location for the same chemical.

Storage Codes: Indicate the types and conditions of storage present.

a. *Look at Table II.* For each location, find the appropriate storage type and enter the corresponding code in the first box.

b. *Look at Table III.* For each location, find the appropriate storage types for pressure and temperature conditions. Enter the applicable pressure code in the second box. Enter the applicable temperature code in the third box.

TABLE II—STORAGE TYPES

Codes	Types of storage
A	Above ground tank
B	Below ground tank
C	Tank inside building
D	Steel drum
E	Plastic or non-metallic drum
F	Can
G	Carboy
H	Silo
I	Fiber drum
J	Bag
K	Box
L	Cylinder
M	Glass bottles or jugs
N	Plastic bottles or jugs
O	Tote bin
P	Tank wagon
Q	Rail car
R	Other

TABLE III—TEMPERATURE AND PRESSURE
CONDITIONS

Codes	Storage conditions
	(Pressure)
1	Ambient pressure
2	Greater than ambient pressure
3	Less than ambient pressure
	(Temperature)
4	Ambient temperature
5	Greater than ambient temperature
6	Less than ambient temperature but not cryogenic
7	Cryogenic conditions

Example: The benzene in the main building is kept in a tank inside the building, at ambient pressure and less than ambient temperature.

Table II shows you that the code for a tank inside a building is C. Table III shows you that the code for ambient pressure is 1, and the code for less than ambient temperature is 6.

You enter: C 1 6

Storage Locations: Provide a brief description of the precise location of the chemical, so that emergency responders can locate the area easily. You may find it advantageous to provide the optional site plan or site coordinates as explained below.

For each chemical, indicate at a minimum the building or lot. Additionally, where practical, the room or area may be indicated. You may respond in narrative form with appropriate site coordinates or abbreviations.

If the chemical is present in more than one building, lot, or area location, continue your responses down the page as needed. If the chemical exists everywhere at the plant site simultaneously, you may report that the chemical is ubiquitous at the site.

Optional attachments: If you choose to attach one of the following, check the appropriate Attachments box at the bottom of the Tier Two form.

a. *A site plan* with site coordinates indicated for buildings, lots, areas, etc. throughout your facility.

b. *A list of site coordinate abbreviations* that correspond to buildings, lots, areas, etc. throughout your facility.

c. *A description of dikes and other safeguard measures* for storage locations throughout your facility.

Example: You have benzene in the main room of the main building, and in tank 2 in tank field 10. You attach a site plan with coordinates as follows: main building = G-2, tank field 10 = B-6. Fill in the Storage Location as follows:

B-6 [Tank 2] G-2 [Main room]

Confidential Information

Under Title III, Section 324, you may elect to withhold location information on a specific chemical from disclosure to the public. If you choose to do so:

- Enter the word "confidential" in the Non-Confidential Location section of the Tier Two form on the first line of the storage locations.
- On a separate Tier Two Confidential Location Information Sheet, enter the name and CAS number of each chemical for which you are keeping the location confidential.
- Enter the appropriate location and storage information, as described above for non-confidential locations.
- Attach the Tier Two Confidential Location Information Sheet to the Tier Two form. This separates confidential locations from other information that will be disclosed to the public.

Certification

Instructions for this section are included on page one of these instructions.

9. Section 370.40 is revised to read as follows:

§ 370.40 Tier I emergency and hazardous chemical inventory form.

PART 372—TOXIC CHEMICAL RELEASE REPORTING; COMMUNITY RIGHT-TO-KNOW

11. The authority citation for part 372 continues to read as follows:

Authority: 42 U.S.C. 11013, 11028.

12. Section 372.3 is amended by adding definitions to read as follows:

§ 372.3 Definitions.

Chief Executive Officer of the tribe means the person who is recognized by the Bureau of Indian Affairs as the chief elected administrative officer of the tribe.

Indian Country means Indian country as defined in 18 U.S.C. 1151. That section defines Indian country as:

(a) All land within the limits of any Indian reservation under the jurisdiction of the United States government, notwithstanding the issuance of any patent, and including rights-of-way running through the reservation;

(b) All dependent Indian communities within the borders of the United States whether within the original or subsequently acquired territory thereof, and whether within or without the limits of a State; and

(c) All Indian allotments, the Indian titles to which have not been extinguished, including rights-of-way running through the same.

Indian tribe means those tribes federally recognized by the Secretary of the Interior.

State means any State of the United States, the District of Columbia, the Commonwealth of Puerto Rico, Guam,

American Samoa, the United States Virgin Islands, the Commonwealth of the Northern Mariana Islands, and any other territory or possession over which the United States has jurisdiction and Indian Country.

13. Section 372.30 is amended by revising paragraph (a) to read as follows:

§ 372.30 Reporting requirements and schedule for reporting.

(a) For each toxic chemical known by the owner or operator to be manufactured (including imported), processed, or otherwise used in excess of an applicable threshold quantity in § 372.25 at its covered facility described in § 372.22 for a calendar year, the owner or operator must submit to EPA and to the State in which the facility is located a completed EPA Form R (EPA Form 9350-1) in accordance with subpart E. If the covered facility is located in Indian Country, the facility shall submit a completed EPA Form R as described above to EPA and the official designated by the Chief Executive Officer of the applicable Indian tribe, unless the tribe has entered into a cooperative agreement with a State, in which case, the facility shall submit the completed EPA Form R to the receiving entity designated in the cooperative agreement.

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