

Section 1. Registration Information

Source Identification

Facility Name:	The Dow Chemical Company, Texas Operations
Parent Company #1 Name:	The Dow Chemical Company
Submission Type:	Resubmission
Receipt Date:	November 2024

Facility Identification

Facility ID:	1000 0004 2535
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Dun and Bradstreet Numbers (DUNS)

Facility DUNS:	149866360
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Facility Location Address

Street 1:	2301 North Brazosport Blvd
Street 2:	N/A
City:	Freeport
State:	TX
ZIP:	77541
ZIP4:	3257
County:	Brazoria

Facility Latitude and Longitude

Latitude (decimal):	28.969389
Longitude (decimal):	-095.379528

Local Emergency Planning Committee and Regulations

LEPC:	Brazoria County LEPC
OSHA PSM:	Yes
EPCRA 302:	Yes
CAA Title V:	Yes

Process Chemicals

Program Level:	Program Level 3 process
Chemical Name:	Methane
CAS Number:	74-82-8
Flammable/Toxic:	Flammable

Program Level:	Program Level 3 process
Chemical Name:	Ethane
CAS Number:	74-84-0
Flammable/Toxic:	Flammable

Program Level:	Program Level 3 process
Chemical Name:	Propane
CAS Number:	74-98-6
Flammable/Toxic:	Flammable

Program Level:	Program Level 3 process
Chemical Name:	Butane
CAS Number:	106-97-8
Flammable/Toxic:	Flammable

Program Level:	Program Level 3 process
Chemical Name:	Propylene [1-Propene]
CAS Number:	115-07-1
Flammable/Toxic:	Flammable

Program Level:	Program Level 3 process
Chemical Name:	Ethylene [Ethene]
CAS Number:	74-85-1
Flammable/Toxic:	Flammable

Program Level:	Program Level 3 process
Chemical Name:	Pentane
CAS Number:	109-66-0
Flammable/Toxic:	Flammable

Program Level:	Program Level 3 process
Chemical Name:	Chlorine
CAS Number:	7782-50-5
Flammable/Toxic:	Toxic

Program Level:	Program Level 3 process
Chemical Name:	Ethylene oxide [Oxirane]
CAS Number:	75-21-8
Flammable/Toxic:	Toxic

Program Level:	Program Level 3 process
Chemical Name:	Epichlorohydrin [Oxirane, (chloromethyl)-]
CAS Number:	106-89-8
Flammable/Toxic:	Toxic
Program Level:	Program Level 3 process
Chemical Name:	1,3-Butadiene
CAS Number:	106-99-0
Flammable/Toxic:	Flammable
Program Level:	Program Level 3 process
Chemical Name:	Hydrogen chloride (anhydrous) [Hydrochloric acid]
CAS Number:	7647-01-0
Flammable/Toxic:	Toxic
Program Level:	Program Level 3 process
Chemical Name:	Trimethylamine [Methanamine, N,N-dimethyl-]
CAS Number:	75-50-3
Flammable/Toxic:	Flammable
Program Level:	Program Level 3 process
Chemical Name:	Ethylenediamine [1,2-Ethanediamine]
CAS Number:	107-15-3
Flammable/Toxic:	Toxic
Program Level:	Program Level 3 process
Chemical Name:	Isoprene [1,3-Butadiene, 2-methyl-]
CAS Number:	78-79-5
Flammable/Toxic:	Flammable
Program Level:	Program Level 3 process
Chemical Name:	Propylene oxide [Oxirane, methyl-]
CAS Number:	75-56-9
Flammable/Toxic:	Toxic
Program Level:	Program Level 3 process
Chemical Name:	1-Chloropropylene [1-Propene, 1-chloro-]
CAS Number:	590-21-6
Flammable/Toxic:	Flammable
Program Level:	Program Level 3 process
Chemical Name:	2-Chloropropylene [1-Propene, 2-chloro-]
CAS Number:	557-98-2
Flammable/Toxic:	Flammable

Program Level:	Program Level 3 process
Chemical Name:	Isopropyl chloride [Propane, 2-chloro-]
CAS Number:	75-29-6
Flammable/Toxic:	Flammable
Program Level:	Program Level 3 process
Chemical Name:	Ammonia (anhydrous)
CAS Number:	7664-41-7
Flammable/Toxic:	Toxic
Program Level:	Program Level 3 process
Chemical Name:	Ammonia (conc 20% or greater)
CAS Number:	7664-41-7
Flammable/Toxic:	Toxic
Program Level:	Program Level 3 process
Chemical Name:	Formaldehyde (solution)
CAS Number:	50-00-0
Flammable/Toxic:	Toxic
Program Level:	Program Level 3 process
Chemical Name:	Methylamine [Methanamine]
CAS Number:	74-89-5
Flammable/Toxic:	Flammable
Program Level:	Program Level 3 process
Chemical Name:	Isobutane [Propane, 2-methyl]
CAS Number:	75-28-5
Flammable/Toxic:	Flammable
Program Level:	Program Level 3 process
Chemical Name:	1-Butene
CAS Number:	106-98-9
Flammable/Toxic:	Flammable
Program Level:	Program Level 3 process
Chemical Name:	Acrylonitrile [2-Propenenitrile]
CAS Number:	107-13-1
Flammable/Toxic:	Toxic
Program Level:	Program Level 3 process
Chemical Name:	Vinylidene chloride [Ethene, 1,1-dichloro-]
CAS Number:	75-35-4
Flammable/Toxic:	Flammable

Program Level:	Program Level 3 process
Chemical Name:	Methyl ether [Methane, oxybis-]
CAS Number:	115-10-6
Flammable/Toxic:	Flammable
Program Level:	Program Level 3 process
Chemical Name:	Butene
CAS Number:	25167-67-3
Flammable/Toxic:	Flammable
Program Level:	Program Level 3 process
Chemical Name:	Butane
CAS Number:	106-97-8
Flammable/Toxic:	Flammable
Program Level:	Program Level 3 process
Chemical Name:	Propane
CAS Number:	74-98-6
Flammable/Toxic:	Flammable
Program Level:	Program Level 3 process
Chemical Name:	Hydrogen
CAS Number:	1333-74-0
Flammable/Toxic:	Flammable
Program Level:	Program Level 3 process
Chemical Name:	Ethane
CAS Number:	74-84-0
Flammable/Toxic:	Flammable
Program Level:	Program Level 3 process
Chemical Name:	Methane
CAS Number:	74-82-8
Flammable/Toxic:	Flammable
Program Level:	Program Level 3 process
Chemical Name:	Ethylene [Ethene]
CAS Number:	74-85-1
Flammable/Toxic:	Flammable
Program Level:	Program Level 3 process
Chemical Name:	Propylene [1-Propene]
CAS Number:	115-07-1
Flammable/Toxic:	Flammable

Program Level:	Program Level 3 process
Chemical Name:	Vinyl acetate monomer [Acetic acid ethenyl ester]
CAS Number:	108-05-4
Flammable/Toxic:	Toxic

Program Level:	Program Level 3 process
Chemical Name:	Formaldehyde (solution)
CAS Number:	50-00-0
Flammable/Toxic:	Toxic

Program Level:	Program Level 3 process
Chemical Name:	Phosgene [Carbonic dichloride]
CAS Number:	75-44-5
Flammable/Toxic:	Toxic

Program Level:	Program Level 3 process
Chemical Name:	Hydrogen chloride (anhydrous) [Hydrochloric acid]
CAS Number:	7647-01-0
Flammable/Toxic:	Toxic

Program Level:	Program Level 3 process
Chemical Name:	Propylene [1-Propene]
CAS Number:	115-07-1
Flammable/Toxic:	Flammable

Program Level:	Program Level 3 process
Chemical Name:	Formaldehyde (solution)
CAS Number:	50-00-0
Flammable/Toxic:	Toxic

Program Level:	Program Level 3 process
Chemical Name:	Flammable Mixture
CAS Number:	00-11-11
Flammable/Toxic:	Flammable

Flammable Mixture Chemical Components

Chemical Name:	Ethane
CAS Number:	74-84-0
Flammable/Toxic:	Flammable

Chemical Name:	Propane
CAS Number:	74-98-6
Flammable/Toxic:	Flammable

Program Level:	Program Level 3 process
Chemical Name:	Flammable Mixture
CAS Number:	00-11-11
Flammable/Toxic:	Flammable

Flammable Mixture Chemical Components

Chemical Name:	Ethane
CAS Number:	74-84-0
Flammable/Toxic:	Flammable

Chemical Name:	Propane
CAS Number:	74-98-6
Flammable/Toxic:	Flammable

Chemical Name:	Propylene [1-Propene]
CAS Number:	115-07-1
Flammable/Toxic:	Flammable

Program Level:	Program Level 3 process
Chemical Name:	Flammable Mixture
CAS Number:	00-11-11
Flammable/Toxic:	Flammable

Flammable Mixture Chemical Components

Chemical Name:	Propane
CAS Number:	74-98-6
Flammable/Toxic:	Flammable

Chemical Name:	Propylene [1-Propene]
CAS Number:	115-07-1
Flammable/Toxic:	Flammable

Program Level:	Program Level 3 process
Chemical Name:	Flammable Mixture
CAS Number:	00-11-11
Flammable/Toxic:	Flammable

Flammable Mixture Chemical Components

Chemical Name:	Butane
CAS Number:	106-97-8
Flammable/Toxic:	Flammable
Chemical Name:	1,3-Butadiene
CAS Number:	106-99-0
Flammable/Toxic:	Flammable
Chemical Name:	Butene
CAS Number:	25167-67-3
Flammable/Toxic:	Flammable

Program Level:	Program Level 3 process
Chemical Name:	Flammable Mixture
CAS Number:	00-11-11
Flammable/Toxic:	Flammable

Flammable Mixture Chemical Components

Chemical Name:	Methane
CAS Number:	74-82-8
Flammable/Toxic:	Flammable

Chemical Name:	Ethane
CAS Number:	74-84-0
Flammable/Toxic:	Flammable

Chemical Name:	Propane
CAS Number:	74-98-6
Flammable/Toxic:	Flammable

Chemical Name:	Propylene [1-Propene]
CAS Number:	115-07-1
Flammable/Toxic:	Flammable

Chemical Name:	Ethylene [Ethene]
CAS Number:	74-85-1
Flammable/Toxic:	Flammable

Program Level:	Program Level 3 process
Chemical Name:	Flammable Mixture
CAS Number:	00-11-11
Flammable/Toxic:	Flammable

Flammable Mixture Chemical Components

Chemical Name:	Ethane
CAS Number:	74-84-0
Flammable/Toxic:	Flammable
Chemical Name:	Propane
CAS Number:	74-98-6
Flammable/Toxic:	Flammable
Chemical Name:	Propylene [1-Propene]
CAS Number:	115-07-1
Flammable/Toxic:	Flammable
Chemical Name:	Ethylene [Ethene]
CAS Number:	74-85-1
Flammable/Toxic:	Flammable
Program Level:	Program Level 3 process
Chemical Name:	Flammable Mixture
CAS Number:	00-11-11
Flammable/Toxic:	Flammable

Flammable Mixture Chemical Components

Chemical Name:	Ethane
CAS Number:	74-84-0
Flammable/Toxic:	Flammable
Chemical Name:	Ethylene [Ethene]
CAS Number:	74-85-1
Flammable/Toxic:	Flammable
Program Level:	Program Level 3 process
Chemical Name:	Flammable Mixture
CAS Number:	00-11-11
Flammable/Toxic:	Flammable

Flammable Mixture Chemical Components

Chemical Name:	Ethane
CAS Number:	74-84-0
Flammable/Toxic:	Flammable
Chemical Name:	Propane
CAS Number:	74-98-6
Flammable/Toxic:	Flammable
Chemical Name:	1,3-Butadiene
CAS Number:	106-99-0
Flammable/Toxic:	Flammable
Chemical Name:	Propylene [1-Propene]
CAS Number:	115-07-1
Flammable/Toxic:	Flammable
Chemical Name:	Ethylene [Ethene]
CAS Number:	74-85-1
Flammable/Toxic:	Flammable
Program Level:	Program Level 3 process
Chemical Name:	Flammable Mixture
CAS Number:	00-11-11
Flammable/Toxic:	Flammable

Flammable Mixture Chemical Components

Chemical Name:	Ethane
CAS Number:	74-84-0
Flammable/Toxic:	Flammable
Chemical Name:	Ethylene [Ethene]
CAS Number:	74-85-1
Flammable/Toxic:	Flammable
Program Level:	Program Level 3 process
Chemical Name:	Flammable Mixture
CAS Number:	00-11-11
Flammable/Toxic:	Flammable

Flammable Mixture Chemical Components

Chemical Name:	Propane
CAS Number:	74-98-6
Flammable/Toxic:	Flammable
Chemical Name:	1,3-Butadiene
CAS Number:	106-99-0
Flammable/Toxic:	Flammable
Chemical Name:	Propylene [1-Propene]
CAS Number:	115-07-1
Flammable/Toxic:	Flammable
Program Level:	Program Level 3 process
Chemical Name:	Flammable Mixture
CAS Number:	00-11-11
Flammable/Toxic:	Flammable

Flammable Mixture Chemical Components

Chemical Name:	Ethane
CAS Number:	74-84-0
Flammable/Toxic:	Flammable
Chemical Name:	Propane
CAS Number:	74-98-6
Flammable/Toxic:	Flammable
Program Level:	Program Level 3 process
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CAS Number:	00-11-11
Flammable/Toxic:	Flammable

Flammable Mixture Chemical Components

Chemical Name:	Propane
CAS Number:	74-98-6
Flammable/Toxic:	Flammable
Chemical Name:	Propylene [1-Propene]
CAS Number:	115-07-1
Flammable/Toxic:	Flammable

Program Level:	Program Level 3 process
Chemical Name:	Flammable Mixture
CAS Number:	00-11-11
Flammable/Toxic:	Flammable

Flammable Mixture Chemical Components

Chemical Name:	Propane
CAS Number:	74-98-6
Flammable/Toxic:	Flammable

Chemical Name:	Propylene [1-Propene]
CAS Number:	115-07-1
Flammable/Toxic:	Flammable

Program Level:	Program Level 3 process
Chemical Name:	Flammable Mixture
CAS Number:	00-11-11
Flammable/Toxic:	Flammable

Flammable Mixture Chemical Components

Chemical Name:	Ethane
CAS Number:	74-84-0
Flammable/Toxic:	Flammable

Chemical Name:	Propane
CAS Number:	74-98-6
Flammable/Toxic:	Flammable

Chemical Name:	Propylene [1-Propene]
CAS Number:	115-07-1
Flammable/Toxic:	Flammable

Program Level:	Program Level 3 process
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Flammable Mixture Chemical Components

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Flammable/Toxic:	Flammable

Chemical Name:	Propylene [1-Propene]
CAS Number:	115-07-1
Flammable/Toxic:	Flammable

Program Level:	Program Level 3 process
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Flammable/Toxic:	Flammable

Flammable Mixture Chemical Components

Chemical Name:	Ethane
CAS Number:	74-84-0
Flammable/Toxic:	Flammable

Chemical Name:	Propane
CAS Number:	74-98-6
Flammable/Toxic:	Flammable

Chemical Name:	Propylene [1-Propene]
CAS Number:	115-07-1
Flammable/Toxic:	Flammable

Program Level:	Program Level 3 process
Chemical Name:	Flammable Mixture
CAS Number:	00-11-11
Flammable/Toxic:	Flammable

Flammable Mixture Chemical Components

Chemical Name:	Propane
CAS Number:	74-98-6
Flammable/Toxic:	Flammable

Chemical Name:	Butane
CAS Number:	106-97-8
Flammable/Toxic:	Flammable

Chemical Name:	Pentane
CAS Number:	109-66-0
Flammable/Toxic:	Flammable

Chemical Name:	Butene
CAS Number:	25167-67-3
Flammable/Toxic:	Flammable

Program Level:	Program Level 3 process
Chemical Name:	Flammable Mixture
CAS Number:	00-11-11
Flammable/Toxic:	Flammable

Flammable Mixture Chemical Components

Chemical Name:	Propane
CAS Number:	74-98-6
Flammable/Toxic:	Flammable

Chemical Name:	Propylene [1-Propene]
CAS Number:	115-07-1
Flammable/Toxic:	Flammable

Program Level:	Program Level 3 process
Chemical Name:	Flammable Mixture
CAS Number:	00-11-11
Flammable/Toxic:	Flammable

Flammable Mixture Chemical Components

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CAS Number:	74-98-6
Flammable/Toxic:	Flammable

Chemical Name:	Butane
CAS Number:	106-97-8
Flammable/Toxic:	Flammable

Program Level:	Program Level 3 process
Chemical Name:	Flammable Mixture
CAS Number:	00-11-11
Flammable/Toxic:	Flammable

Flammable Mixture Chemical Components

Chemical Name:	Butane
CAS Number:	106-97-8
Flammable/Toxic:	Flammable

Chemical Name:	1,3-Butadiene
CAS Number:	106-99-0
Flammable/Toxic:	Flammable

Program Level:	Program Level 3 process
Chemical Name:	Flammable Mixture
CAS Number:	00-11-11
Flammable/Toxic:	Flammable

Flammable Mixture Chemical Components

Chemical Name:	Ethane
CAS Number:	74-84-0
Flammable/Toxic:	Flammable

Chemical Name:	Ethylene [Ethene]
CAS Number:	74-85-1
Flammable/Toxic:	Flammable

Program Level:	Program Level 3 process
Chemical Name:	Flammable Mixture
CAS Number:	00-11-11
Flammable/Toxic:	Flammable

Flammable Mixture Chemical Components

Chemical Name:	Methane
CAS Number:	74-82-8
Flammable/Toxic:	Flammable

Chemical Name:	Ethane
CAS Number:	74-84-0
Flammable/Toxic:	Flammable

Chemical Name:	Ethylene [Ethene]
CAS Number:	74-85-1
Flammable/Toxic:	Flammable

Program Level:	Program Level 3 process
Chemical Name:	Flammable Mixture
CAS Number:	00-11-11
Flammable/Toxic:	Flammable

Flammable Mixture Chemical Components

Chemical Name:	Methane
CAS Number:	74-82-8
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CAS Number:	74-98-6
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Chemical Name:	Propylene [1-Propene]
CAS Number:	115-07-1
Flammable/Toxic:	Flammable

Chemical Name:	Ethylene [Ethene]
CAS Number:	74-85-1
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Program Level:	Program Level 3 process
Chemical Name:	Flammable Mixture
CAS Number:	00-11-11
Flammable/Toxic:	Flammable

Flammable Mixture Chemical Components

Chemical Name:	Butane
CAS Number:	106-97-8
Flammable/Toxic:	Flammable

Chemical Name:	1,3-Butadiene
CAS Number:	106-99-0
Flammable/Toxic:	Flammable

Chemical Name:	Butene
CAS Number:	25167-67-3
Flammable/Toxic:	Flammable

Program Level:	Program Level 3 process
Chemical Name:	Flammable Mixture
CAS Number:	00-11-11
Flammable/Toxic:	Flammable

Flammable Mixture Chemical Components

Chemical Name:	Methane
CAS Number:	74-82-8
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Chemical Name:	Propane
CAS Number:	74-98-6
Flammable/Toxic:	Flammable

Chemical Name:	Propylene [1-Propene]
CAS Number:	115-07-1
Flammable/Toxic:	Flammable

Chemical Name:	Ethylene [Ethene]
CAS Number:	74-85-1
Flammable/Toxic:	Flammable

Program Level:	Program Level 3 process
Chemical Name:	Flammable Mixture
CAS Number:	00-11-11
Flammable/Toxic:	Flammable

Flammable Mixture Chemical Components

Chemical Name:	Propane
CAS Number:	74-98-6
Flammable/Toxic:	Flammable

Chemical Name:	Propylene [1-Propene]
CAS Number:	115-07-1
Flammable/Toxic:	Flammable

Program Level:	Program Level 3 process
Chemical Name:	Flammable Mixture
CAS Number:	00-11-11
Flammable/Toxic:	Flammable

Flammable Mixture Chemical Components

Chemical Name:	Ethane
CAS Number:	74-84-0
Flammable/Toxic:	Flammable

Chemical Name:	Propane
CAS Number:	74-98-6
Flammable/Toxic:	Flammable

Chemical Name:	Propylene [1-Propene]
CAS Number:	115-07-1
Flammable/Toxic:	Flammable

Chemical Name:	Ethylene [Ethene]
CAS Number:	74-85-1
Flammable/Toxic:	Flammable

Program Level:	Program Level 3 process
Chemical Name:	Flammable Mixture
CAS Number:	00-11-11
Flammable/Toxic:	Flammable

Flammable Mixture Chemical Components

Chemical Name:	Ethane
CAS Number:	74-84-0
Flammable/Toxic:	Flammable
Chemical Name:	Propane
CAS Number:	74-98-6
Flammable/Toxic:	Flammable

Process NAICS

NAICS Code:	325998
NAICS Description:	All Other Miscellaneous Chemical Product and Preparation Manufacturing
NAICS Code:	325211
NAICS Description:	Plastics Material and Resin Manufacturing
NAICS Code:	32511
NAICS Description:	Petrochemical Manufacturing

Section 6. Accident History

No records found.

Section 9. Emergency Response

Written Emergency Response (ER) Plan

Community Plan (Is facility included in written community emergency response plan?):	Yes
Facility Plan (Does facility have its own written emergency response plan?):	Yes
Response Actions (Does ER plan include specific actions to be taken in response to accidental releases of regulated substance(s)?):	Yes
Public Information (Does ER plan include procedures for informing the public and local agencies responding to accidental release?):	Yes
Healthcare (Does facility's ER plan include information on emergency health care?):	Yes

Local Agency

Agency Name (Name of local agency
with which the facility ER plan or
response activities are coordinated):

Brazoria County Sherriff's Dept.

Agency Phone Number (Phone number
of local agency with which the facility
ER plan or response activities are
coordinated):

(979) 265-9310