# SAFETY DATA SHEET



#### Diisobutylene

### Section 1. Identification

**GHS** product identifier : Diisobutylene **Chemical name** : diisobutylene : 25167-70-8 CAS number

Other means of identification

: Pentene, 2,4,4-trimethyl-; 2,4,4-trimethylpentene; Diisobutylene; Diisobutylene (Isomer

mixture); Di-Isobutylene; Diiosobutene

Product use : Intermediate.

Supplier's details : TPC Group

> One Allen Center, Suite 2000 Houston, TX, 77002, USA

T 713-627-7474

e-mail address of person responsible for this SDS

: communications@tpcgrp.com

**Emergency telephone** number (with hours of

operation)

: 800-424-9300 (Chemtrec - U.S.)

+1-703-527-3887 (Chemtrec - International)

### Section 2. Hazards identification

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard

(29 CFR 1910.1200).

Classification of the substance or mixture : FLAMMABLE LIQUIDS - Category 2

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -

ASPIRATION HAZARD - Category 1

#### **GHS** label elements

**Hazard pictograms** 







Signal word : Danger

**Hazard statements** : Highly flammable liquid and vapor.

May be fatal if swallowed and enters airways.

May cause drowsiness or dizziness.

**Precautionary statements** 

Prevention : Wear protective gloves, protective clothing and eye or face protection. Keep away from

> heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use explosion-proof electrical, ventilating or lighting equipment. Take action to prevent static discharges. Ground and bond container and receiving equipment. Use only outdoors

or in a well-ventilated area. Avoid breathing dust or mist.

Response : IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a

POISON CENTER or doctor if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. IF ON SKIN (or hair): Take off

immediately all contaminated clothing. Rinse skin with water or shower.

: Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep Storage

cool.

Date of issue/Date of revision : 08/08/2025 Date of previous issue :06/24/2022 Version :3 1/13

### Section 2. Hazards identification

Disposal

: Dispose of contents and container in accordance with all local, regional, national and international regulations.

Supplemental label

elements

: Avoid contact with skin and clothing. Wash thoroughly after handling.

Hazards not otherwise

classified

: Prolonged or repeated contact may dry skin and cause irritation.

Hazards identified when

used

: No known significant effects or critical hazards.

### Section 3. Composition/information on ingredients

Substance/mixture : Substance
Chemical name : diisobutylene

Other means of identification

: Pentene, 2,4,4-trimethyl-; 2,4,4-trimethylpentene; Diisobutylene; Diisobutylene (Isomer

mixture); Di-Isobutylene; Diiosobutene

Ingredient name	Synonyms	%	Identifiers
diisobutylene	Pentene, 2,4,4-trimethyl-; 2,4,4-trimethylpentene; Diisobutylene; Diisobutylene (Isomer mixture); Di-Isobutylene; Diiosobutene	100	CAS: 25167-70-8

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

### Section 4. First aid measures

#### **Description of necessary first aid measures**

Eye contact

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Inhalation

: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Skin contact

: Wash skin thoroughly with soap and water or use recognized skin cleanser. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion

: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

#### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

**Eye contact**: No known significant effects or critical hazards.

Date of issue/Date of revision: 08/08/2025Date of previous issue: 06/24/2022Version: 32/13

### Section 4. First aid measures

**Inhalation** : Can cause central nervous system (CNS) depression. May cause drowsiness or

dizziness.

**Skin contact**: Defatting to the skin. May cause skin dryness and irritation.

ingestion : Can cause central nervous system (CNS) depression. May be fatal if swallowed and

enters airways.

#### Over-exposure signs/symptoms

**Eye contact** : No specific data.

**Inhalation** : Adverse symptoms may include the following:

nausea or vomiting

headache

drowsiness/fatigue dizziness/vertigo unconsciousness

**Skin contact**: Adverse symptoms may include the following:

irritation dryness cracking

**Ingestion** : Adverse symptoms may include the following:

nausea or vomiting

#### Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large

quantities have been ingested or inhaled.

**Specific treatments**: No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. If it is

suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to

give mouth-to-mouth resuscitation.

#### See toxicological information (Section 11)

### Section 5. Fire-fighting measures

#### Extinguishing media

Suitable extinguishing

media

: Use dry chemical, CO2, water spray (fog) or foam. Use an extinguishing agent suitable

for the surrounding fire.

Unsuitable extinguishing

media

: Do not use water jet.

Specific hazards arising from the chemical

: Highly flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapor/gas is heavier than air and will spread along the ground. Vapors may accumulate in low or confined areas or travel a considerable

distance to a source of ignition and flash back.

Hazardous thermal decomposition products

: Decomposition products may include the following materials:

carbon dioxide carbon monoxide

Special protective actions for fire-fighters

: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water

spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters

: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Date of issue/Date of revision : 08/08/2025 Date of previous issue : 06/24/2022 Version : 3 3/13

### Section 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

For emergency responders: If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

#### **Environmental precautions**

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

#### Methods and materials for containment and cleaning up

#### Small spill

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

#### Large spill

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

# Section 7. Handling and storage

#### Precautions for safe handling

#### **Protective measures**

: Put on appropriate personal protective equipment (see Section 8). Do not swallow. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

#### Advice on general occupational hygiene

: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

## including any incompatibilities

**Conditions for safe storage**, : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination. See Section 10 for incompatible materials before handling or use.

Date of issue/Date of revision : 08/08/2025 Date of previous issue :06/24/2022 Version :3 4/13

### Section 8. Exposure controls/personal protection

#### **Control parameters**

#### Occupational exposure limits

Ingredient name	Exposure limits	
diisobutylene	OARS WEEL (United States, 9/2024)	
	TWA 8 hours: 75 ppm.	
	TWA 8 hours: 344 mg/m³.	

#### **Biological exposure indices**

None known.

# Appropriate engineering controls

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

# Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

#### **Individual protection measures**

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with sideshields.

#### **Skin protection**

Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body protection** 

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear antistatic protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

**Recommended:** Ensure an MSHA/NIOSH-approved respirator or equivalent is used.

Date of issue/Date of revision : 08/08/2025 Date of previous issue : 06/24/2022 Version : 3 5/13

### Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

**Appearance** 

Physical state : Liquid. [Clear.]
Color : Not available.
Odor : Turpentine-like.
Odor threshold : Not available.
pH : Not available.
Melting point/freezing point : -93.5°C (-136.3°F)
Boiling point or initial : 101.4°C (214.5°F)

boiling point and boiling

range

Flash point : Closed cup: -5°C (23°F)

Evaporation rate : Not available.
Flammability : Not available.
Lower and upper explosion : Lower: 0.9% Upper: 4.8%

Vapor pressure : 6 kPa (44.7 mm Hg) [25°C]

**Relative vapor density** : 3.8 [Air = 1]

**Relative density** : 0.72 [15.6°C (60.1°F)]

Solubility in water : Insoluble.

Partition coefficient: n- : 4.55

octanol/water

**Auto-ignition temperature** : 420°C (788°F) **Decomposition temperature** : Not available.

Viscosity : Dynamic (room temperature): Not available.

Kinematic (room temperature): 0.749 mm<sup>2</sup>/s (0.749 cSt)

Kinematic (40°C (104°F)): Not available.

Molecular weight: 112.1 g/molExplosive properties: Not available.Oxidizing properties: Not available.

**Particle characteristics** 

Median particle size : Not applicable.

### Section 10. Stability and reactivity

**Reactivity**: No specific test data related to reactivity available for this product or its ingredients.

**Chemical stability**: The product is stable.

Possibility of hazardous reactions

: Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid : Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition. Do not

allow vapor to accumulate in low or confined areas.

**Incompatible materials**: Reactive or incompatible with the following materials:

oxidizing materials

Hazardous decomposition products

: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Date of issue/Date of revision : 08/08/2025 Date of previous issue : 06/24/2022 Version : 3 6/13

### **Section 11. Toxicological information**

#### Information on toxicological effects

#### **Acute toxicity**

Product/ingredient name	Result and Species	Dose [Exposure]	Remarks
diisobutylene	Oral - Rabbit - Male, Female - LD50 [OECD 401]	>2000 mg/kg	-
	Dermal - Rat - Male, Female - LD50 [OECD 402]	>2000 mg/kg	-
	Oral - Rat - Male - LD50	>2500 mg/kg	-
	Inhalation - Rat - Male, Female - LC50 Vapor [EPA OPPTS 870.1300]	>19171 mg/m³ [4 hours]	test substance: CAS no. 25167-70-8 (similar material)

**Conclusion/Summary** 

: Based on available data, the classification criteria are not met.

#### Irritation/Corrosion

Conclusion/Summary

Skin: Not available.Eyes: Not available.Respiratory: Not available.

#### Respiratory or skin sensitization

Conclusion/Summary

Skin : Not available.

Respiratory : Not available.

**Mutagenicity** 

**Conclusion/Summary**: Not available.

Carcinogenicity

**Conclusion/Summary**: Not available.

Reproductive toxicity

**Conclusion/Summary**: Not available.

**Teratogenicity** 

Conclusion/Summary : Not available.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
diisobutylene	Category 3	-	Narcotic effects

#### Specific target organ toxicity (repeated exposure)

Not available.

#### **Aspiration hazard**

Name	Result
diisobutylene	ASPIRATION HAZARD - Category 1

Information on the likely

routes of exposure

: Not available.

Potential acute health effects

**Eye contact**: No known significant effects or critical hazards.

**Inhalation** : Can cause central nervous system (CNS) depression. May cause drowsiness or

dizziness.

**Skin contact**: Defatting to the skin. May cause skin dryness and irritation.

Date of issue/Date of revision : 08/08/2025 Date of previous issue : 06/24/2022 Version : 3 7/13

# Section 11. Toxicological information

**Ingestion**: Can cause central nervous system (CNS) depression. May be fatal if swallowed and

enters airways.

#### Symptoms related to the physical, chemical and toxicological characteristics

**Eye contact** : No specific data.

**Inhalation**: Adverse symptoms may include the following:

nausea or vomiting

headache

drowsiness/fatigue dizziness/vertigo unconsciousness

**Skin contact**: Adverse symptoms may include the following:

irritation dryness cracking

**Ingestion**: Adverse symptoms may include the following:

nausea or vomiting

#### Delayed and immediate effects and also chronic effects from short and long term exposure

**Short term exposure** 

Potential immediate : Not available.

effects

Potential delayed effects : Not available.

Long term exposure

Potential immediate

: Not available.

effects

Potential delayed effects : Not available.

Potential chronic health effects

Not available.

**Conclusion/Summary**: Not available.

**General**: Prolonged or repeated contact can defat the skin and lead to irritation, cracking and/or

dermatitis.

Carcinogenicity : No known significant effects or critical hazards.
 Mutagenicity : No known significant effects or critical hazards.
 Reproductive toxicity : No known significant effects or critical hazards.

#### **Numerical measures of toxicity**

#### **Acute toxicity estimates**

Not available.

### **Section 12. Ecological information**

#### **Toxicity**

Product/ingredient name	Result [Exposure]	Species	Remarks
diisobutylene	Acute - LC50 - Fresh water 0.58 mg/l [96 hours] [OECD 203]	Fish - Oncorhynchus mykiss	-
	Acute - EC50 - Fresh water 1.2 mg/l [48 hours] [OECD 202]	Daphnia - Daphnia magna	-

Date of issue/Date of revision : 08/08/2025 Date of previous issue : 06/24/2022 Version : 3 8/13

### Section 12. Ecological information

ection 12. Ecological information				
	Chronic - NOEC - Fresh water 0.16 mg/l [21 days] [OECD 211]	Daphnia - <i>Daphnia</i> magna	-	
	Acute - EC50 - Fresh water 0.73 mg/l [72 hours] [OECD 201]	Algae - Raphidocelis subcapitata	-	
	Acute - EC50 - Fresh water 1.5 mg/l [72 hours] [OECD 201]	Algae - Raphidocelis subcapitata	-	
	Chronic - NOEC - Fresh water 23 mg/l - Activated sludge [28 days] [OECD 301 B]	Micro-organism	-	

**Conclusion/Summary** 

: Very toxic to aquatic life with long lasting effects.

#### Persistence and degradability

**Conclusion/Summary**: Not available.

#### Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
diisobutylene	4.55	-	High

#### **Mobility in soil**

Soil/Water partition

coefficient

: Not available.

**Mobility** : Not available.

Other adverse effects : No known significant effects or critical hazards.

### Section 13. Disposal considerations

#### **Disposal methods**

: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

# **Section 14. Transport information**

Date of issue/Date of revision : 08/08/2025 Date of previous issue : 06/24/2022 Version : 3 9/13

### **Section 14. Transport information**

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
UN number	UN2050	UN2050	UN2050	UN2050	UN2050	UN2050
UN proper shipping name	Diisobutylene, isomeric compounds	DIISOBUTYLENE, ISOMERIC COMPOUNDS	DIISOBUTILENO, COMPUESTOS ISOMÉRICOS DEL	DIISOBUTYLENE, ISOMERIC COMPOUNDS	DIISOBUTYLENES, ISOMERIC COMPOUNDS	Diisobutylene, isomeric compounds
Transport hazard class(es)	3	3	3	3	3	3
Label	TRANSMET LIGHT	<b>1 1 1 1 1 1 1 1 1 1</b>		***************************************	***************************************	
Packing group	II	II	II	II	II	II
Environmental hazards	No.	Yes.	Yes. The environmentally hazardous substance mark is not required.	Yes.	Marine Pollutant: Yes	Yes. The environmentally hazardous substance mark is not required.

**Additional information** 

DOT Classification : Limited quantity Yes.

<u>Packaging instruction</u> Exceptions: 150. Non-bulk: 202. Bulk: 242. <u>Quantity limitation</u> Passenger aircraft/rail: 5 L. Cargo aircraft: 60 L.

Special provisions IB2, T4, TP1

**TDG Classification** : Product classified as per the following sections of the Transportation of Dangerous

Goods Regulations: 2.18-2.19 (Class 3), 2.7 (Marine pollutant mark). The marine pollutant mark is not required when transported by road or rail.

Explosive Limit and Limited Quantity Index 1
Passenger Carrying Road or Rail Index 5

**ADR/RID** : The environmentally hazardous substance mark is not required when transported in

sizes of ≤5 L or ≤5 kg.

**Hazard identification number** 33

<u>Limited quantity</u> 1 L <u>Tunnel code</u> (D/E)

**IMDG** : The marine pollutant mark is not required when transported in sizes of ≤5 L or ≤5 kg.

Emergency schedules F-E, S-D

**IATA** : The environmentally hazardous substance mark may appear if required by other

transportation regulations.

**Quantity limitation** Passenger and Cargo Aircraft: 5 L. Packaging instructions: 353. Cargo Aircraft Only: 60 L. Packaging instructions: 364. Limited Quantities - Passenger

Aircraft: 1 L. Packaging instructions: Y341.

**Special precautions for user**: **Transport within user's premises**: always transport in closed containers that are

upright and secure. Ensure that persons transporting the product know what to do in the

event of an accident or spillage.

Transport in bulk according to IMO instruments

Proper shipping name : Diisobutylene

Remarks : Liquid bulk cargoes

Ship type: 2

Pollution category: Y

Date of issue/Date of revision : 08/08/2025 Date of previous issue : 06/24/2022 Version : 3 10/13

### Section 15. Regulatory information

#### U.S. Federal regulations

TSCA 8(a) CDR Exempt/Partial exemption: Not determined

#### TSCA 12(b) - Chemical export notification

Not applicable.

Clean Air Act Section 112

: Not listed

(b) Hazardous Air Pollutants (HAPs)

Clean Air Act Section 602

: Not listed

Class I Substances

Clean Air Act Section 602

: Not listed

Class II Substances

DEA List I Chemicals

: Not listed

(Precursor Chemicals)

DEA List II Chemicals

: Not listed

(Essential Chemicals)

#### **SARA 302/304**

#### Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

**SARA 311/312** 

Classification : FLAMMABLE LIQUIDS - Category 2

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) -

Category 3

ASPIRATION HAZARD - Category 1

HNOC - Defatting irritant

#### Composition/information on ingredients

Name	%	Classification
diisobutylene		FLAMMABLE LIQUIDS - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 ASPIRATION HAZARD - Category 1 HNOC - Defatting irritant

#### State regulations

Massachusetts: This material is listed.New York: This material is not listed.New Jersey: This material is listed.Pennsylvania: This material is listed.

California Prop. 65

This product does not require a Safe Harbor warning under California Prop. 65.

#### **EPA PFAS Compilation from Comptox**

Not listed.

#### TSCA 8(a)7 - One-time Reporting PFAS

Not listed.

#### International regulations

#### Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

#### **Montreal Protocol**

Date of issue/Date of revision : 08/08/2025 Date of previous issue : 06/24/2022 Version : 3 11/13

### Section 15. Regulatory information

Not listed

#### Stockholm Convention on Persistent Organic Pollutants

Not listed.

#### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

#### **UNECE Aarhus Protocol on POPs and Heavy Metals**

Not listed.

#### **OECD Comprehensive Global PFAS Database**

Not listed.

#### **Inventory list**

Australia: This material is listed or exempted.Canada: This material is listed or exempted.China: This material is listed or exempted.

**Eurasian Economic Union**: Russian Federation inventory: This material is listed or exempted.

Japan : Japan inventory (CSCL):

This material is listed or exempted.

Japan inventory (ISHL):

This material is listed or exempted.

New Zealand: This material is listed or exempted.

Philippines: This material is listed or exempted.

Republic of Korea: This material is listed or exempted.

Taiwan: This material is listed or exempted.

Thailand: This material is listed or exempted.

United States: This material is active or exempted.

Viet Nam: This material is listed or exempted.

### Section 16. Other information

#### **National Fire Protection Association (U.S.A.)**



#### Procedure used to derive the classification

Classification	Justification
J 3 7	On basis of test data Expert judgment
	Expert judgment

#### **History**

Date of printing : 08/13/2025 Date of issue/Date of : 08/08/2025

revision

Date of previous issue : 06/24/2022

Version : 3

Date of issue/Date of revision : 08/08/2025 Date of previous issue : 06/24/2022 Version : 3 12/13

### Section 16. Other information

#### Key to abbreviations

: ADR = Agreement concerning the International Carriage of Dangerous Goods by Road

ATE = Acute Toxicity Estimate BCF = Bioconcentration Factor

DOT = Department of Transportation

GHS = Globally Harmonized System of Classification and Labelling of Chemicals

IATA = International Air Transport Association

IBC = Intermediate Bulk Container

IMDG = International Maritime Dangerous Goods

LogPow = logarithm of the octanol/water partition coefficient

MARPOL = International Convention for the Prevention of Pollution From Ships, 1973

as modified by the Protocol of 1978. ("Marpol" = marine pollution)

N/A = Not available

RID = The Regulations concerning the International Carriage of Dangerous Goods by

Rail

SGG = Segregation Group

TDG = Transportation of Dangerous Goods

UN = United Nations

#### References

: Not available.

▼ Indicates information that has changed from previously issued version.

#### Notice to reader

Disclaimer: TPC does not endorse or claim suitability of its products for specific applications. Before using this product, the user is advised to make its own determination and assessment of the safety and suitability of the product for the specific use in question and is further advised against relying on the information contained in this document as it may relate to any specific use or application. It is the ultimate responsibility of the user to ensure that the product is suited and the information is applicable to the user's specific application. TPC Group does not make, and expressly disclaims, all warranties, including warranties of merchantability or fitness for a particular purpose, regardless of whether oral or written, express or implied, or allegedly arising from any usage of any trade or from any course of dealing in connection with the use of the information contained in this document or the product itself. TPC Group further makes no representations, and extends no warranties of any kind, that the use, sale, or other disposition of the product, whether alone or in combination with other products, will not infringe any patent, copyright, trademark, or other proprietary right. The user expressly assumes all risk and liability, whether based in contract, tort or otherwise, in connection with the use of the information contained herein or the product itself. Information contained in this document is given without reference to any intellectual property issues, as well as federal, state, local or international laws which may be encountered in the use of the information in this document or the product. Such questions should be investigated by the user.

Date of issue/Date of revision : 08/08/2025 Date of previous issue : 06/24/2022 Version : 3 13/13