

Spray Foam Insulation – Expanding Foam for Thermal & Soundproofing – Class A Surface Burning Performance

Safety Data Sheet

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)
Issue date: 6/15/2026 Revision date: 7/15/2026 Supersedes: 6/15/2026 Version: 1.1

SECTION 1 Identification

1.1. Product identifier

Product form : Mixture
Trade name : Spray Foam Insulation – Expanding Foam for Thermal & Soundproofing – Class A Surface Burning Performance

1.2. Other means of identification

No additional information available

1.3. Recommended use of the chemical and restrictions on use

Recommended use : Thermal and soundproofing, filling gaps, cracks, and sealing with expert precision.
Restrictions on use : Use only in well-ventilated areas, Avoid heat, sparks, open flames and other ignition sources

1.4. Supplier's details

ASTEMREY LLC
312 W 2 ND ST
UNIT A2013
CASPER, WY 82601
USA
T +1 (904) 852-6653
support@astemrey.com

1.5. Emergency phone number

Emergency number : For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night: 1-800-424-9300 (Toll Free, USA) / 703-527-3887 (Virginia, USA)
CCN 1022189
Back-up Emergency Number: +1 703-741-5970 (Washington, DC)

SECTION 2 Hazard Identification

2.1. Classification of the substance or mixture

GHS US classification

Aerosol, Category 1	H222;H229	Extremely flammable aerosol. Pressurized container; may burst if heated.
Acute toxicity (inhalation:dust,mist), Category 4	H332	Harmful if inhaled.
Skin corrosion/irritation, Category 2	H315	Causes skin irritation.
Serious eye damage/eye irritation, Category 2B	H320	Causes eye irritation.
Respiratory sensitization, Category 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin sensitization, Category 1	H317	May cause an allergic skin reaction.
Carcinogenicity, Category 2	H351	Suspected of causing cancer.
Reproductive toxicity, Additional category, Effects on or via lactation	H362	May cause harm to breast-fed children.
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	H335	May cause respiratory irritation.
Specific target organ toxicity — Repeated exposure, Category 2	H373	May cause damage to organs (respiratory system) through prolonged or repeated exposure (Inhalation).

Full text of H statements : see section 16

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2.2. Label elements

GHS US labeling

Hazard pictograms (GHS US)

:



Signal word (GHS US)

: Danger

Hazard statements (GHS US)

: H222 - Extremely flammable aerosol
H229 - Pressurized container; may burst if heated
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H320 - Causes eye irritation
H332 - Harmful if inhaled
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335 - May cause respiratory irritation
H351 - Suspected of causing cancer.
H362 - May cause harm to breast-fed children
H373 - May cause damage to organs (respiratory system) through prolonged or repeated exposure (Inhalation)

Precautionary statements (GHS US)

: Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
Do not spray on an open flame or other ignition source.
Do not pierce or burn, even after use.
Do not breathe mist, spray, vapors.
Avoid contact during pregnancy and while nursing.
Wash hands, forearms and face thoroughly after handling.
Do not eat, drink or smoke when using this product.
Use only outdoors or in a well-ventilated area.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves, protective clothing, eye and face protection.
In case of inadequate ventilation wear respiratory protection.
If on skin: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice or attention.
Take off contaminated clothing and wash it before reuse.
If inhaled: Remove person to fresh air and keep comfortable for breathing.
If experiencing respiratory symptoms: Call a poison center or doctor.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice or attention.
If exposed or concerned: Get medical advice/attention.
Call a poison center or doctor if you feel unwell.
Store in a well-ventilated place. Keep container tightly closed.
Store locked up.
Protect from sunlight. Do not expose to temperatures exceeding 122 °F (50 °C).
Dispose of contents and/or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulations.

2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

2.4. Hazards not otherwise classified

No additional information available

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2.5. Unknown acute toxicity

41.3% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)

41.3% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)

SECTION 3 Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
Polymeric diphenylmethane diisocyanate	CAS-No.: 9016-87-9	44.98	Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2B, H320 Resp. Sens. 1, H334 Skin Sens. 1, H317 Carc. 2, H351 STOT SE 3, H335 STOT RE 2, H373
Dimethyl ether	CAS-No.: 115-10-6	12.24	Flam. Gas 1A, H220 Press. Gas (Comp.), H280
Tris(2-chloroisopropyl) phosphate	CAS-No.: 1244733-77-4	7.04	Acute Tox. 4 (Oral), H302
Alkanes, C14-17, chloro	CAS-No.: 85535-85-9	6.34	Lact., H362 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Butane	CAS-No.: 106-97-8	4.54	Flam. Gas 1A, H220 Press. Gas (Comp.), H280 Simple Asphy. 1, SIAS
Propane	CAS-No.: 74-98-6	3.03	Flam. Gas 1A, H220 Press. Gas (Comp.), H280 Simple Asphy. 1, SIAS

Full text of hazard classes and H-statements : see section 16

SECTION 4 First aid measures

4.1. Description of necessary first-aid measures

First-aid measures general	: First aider: Pay attention to self-protection. Never give anything by mouth to an unconscious person. Give artificial respiration if necessary. Induce artificial respiration with mask fitted with one-way valve or other suitable device but, not mouth-to-mouth. IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim is unconscious: Lay in a stable manner on victim's side. Induce artificial respiration with mask fitted with one-way valve or other suitable device; not mouth-to-mouth. Call a physician immediately.
First-aid measures after skin contact	: Remove affected clothing and wash all exposed skin areas with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

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First-aid measures after eye contact	: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms/effects, acute and delayed

Symptoms/effects after inhalation	: Harmful if inhaled. May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation. Redness, itching, tears.
Symptoms/effects after ingestion	: May cause irritation to the digestive tract.
Chronic symptoms	: May cause damage to organs (respiratory system) through prolonged or repeated exposure (inhalation). Suspected of causing cancer. May cause harm to breast-fed children.

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

Other medical advice or treatment	: IF exposed or concerned: Get medical advice/attention.
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SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Dry chemical, CO ₂ , or water spray or regular foam.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard	: Extremely flammable aerosol.
Explosion hazard	: Vapors in confined areas may explode when exposed to fire. Extremely flammable chemical under pressure: May explode if heated.
Hazardous decomposition products in case of fire	: Toxic fumes may be released. Carbon dioxide. Carbon monoxide. Hydrogen cyanide. Nitrogen oxides.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions	: Fight fire from safe distance and protected location. Do not enter fire area without proper protective equipment, including respiratory protection. Move containers from fire area if it can be done without personal risk. Use water spray or fog for cooling exposed containers. Large fires: Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Withdraw immediately in case of rising sound from venting devices or discoloration from tank. ALWAYS stay away from tanks engulfed in fire. For a massive fire, use unmanned hose holders or monitor nozzles, or withdraw from the area and allow fire to burn. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6 Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Avoid all personal contact including breathing in the mist, spray, vapors. Do not take actions involving personal risks. Absorb spillage to prevent material-damage. Stop leak if safe to do so. Notify authorities if product enters sewers or public waters.
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For non-emergency personnel

Protective equipment	: Wear recommended personal protective equipment.
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Emergency procedures	: Evacuate the danger area. If outdoors, move to an area upwind of the danger area. Do not breathe mist, spray, vapors. Avoid contact with skin and eyes. If possible without taking personal risks, remove ignition sources, ventilate area. Prevent other non-emergency personnel from entering the danger area. No open flames, no sparks, and no smoking.
For emergency responders	
Protective equipment	: Wear the recommended personal protective equipment. Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Evacuate personnel to a safe area. Stop leak if safe to do so. Remove all sources of ignition. Use non-sparking tools.
Environmental precautions	: Do not let the product reach soil, drains, sewers, or surface and ground water.

6.2. Methods and materials for containment and cleaning up

For containment	: Contain with non-combustible inert absorbent. Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. Stop leak, if possible without risk. All equipment used when handling the product must be grounded.
Methods for cleaning up	: Take up in non-combustible inert absorbent and place into container for disposal. Contaminated absorbent material may pose the same hazard as the spilt product. Decontaminate surfaces and equipment with water and detergent. Until a sufficient level of dilution is achieved, the decontamination water may pose the same hazards as the product. Notify authorities if product enters sewers or public waters. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

For further information refer to section 8: "Exposure controls/personal protection", For further information refer to section 13

SECTION 7 Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Do not breathe mist, spray, vapors. Avoid contact with skin, eyes and clothing. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Take precautionary measures against static discharge.
Hygiene measures	: Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.
Additional hazards when processed	: Proper grounding procedures to avoid static electricity should be followed.

7.2. Conditions for safe storage, including incompatibilities

Storage conditions	: Store in a cool, dry and well-ventilated area away from incompatible substances. Store containers in location free from fire risk and away from sources of heat and ignition. Protect from sunlight. Always keep container in upright position.
Incompatible materials	: Alcohols. Amines. Acids. Water. Sodium hydroxide. Strong oxidizing agents.
Heat-ignition	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Packaging materials	: Always store product in container of same material as original container.

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SECTION 8 Exposure controls/personal protection

8.1. Control parameters

Propane (74-98-6)

USA - ACGIH® - Threshold Limit Values

Local name	Propane
Remark (ACGIH®)	TLV® Basis: Asphyxia
Regulatory reference	ACGIH 2026

USA - OSHA - Occupational Exposure Limits

Local name	Propane
OSHA PEL TWA	1800 mg/m ³ 1000 ppm
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

USA - NIOSH - Occupational Exposure Limits

Local name	Propane
NIOSH REL 10h TWA	1000 ppm
Regulatory reference (US-NIOSH)	OSHA Annotated Table Z-1 (NIOSH Pocket Guide to Chemical Hazards (NPG))

Butane (106-97-8)

USA - ACGIH® - Threshold Limit Values

Local name	Butane
ACGIH® TLV® STEL	2370 mg/m ³ (EX - Explosion hazard) 1000 ppm (EX - Explosion hazard)
Remark (ACGIH®)	TLV® Basis: CNS impair
Regulatory reference	ACGIH 2026

8.2. Appropriate engineering controls

Appropriate engineering controls	: Ensure good ventilation of the work station. Use general ventilation, local exhaust ventilation, or process enclosure to keep the airborne concentrations below the permissible exposure limits. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.
Environmental exposure controls	: Avoid release to the environment. Take measures to reduce or limit air emissions and releases to soil and the aquatic environment.

8.3. Individual protection measures, such as personal protective equipment

Personal protective equipment:

Personal protective equipment should be chosen according to national standards and in discussion with the supplier of the protective equipment. Wear recommended personal protective equipment.

Hand protection:

Wear protective gloves. Chemically impervious gloves as described by OSHA's hand protection regulations in 29 CFR 1910.138

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According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Eye protection:

Wear safety glasses which protect from splashes

Skin and body protection:

Body protection should be chosen depending on activity and possible exposure. Wear fire/flamm resistant/retardant clothing. Antistatic clothing

Respiratory protection:

Use NIOSH approved respirator if ventilation is inadequate. SCBA for emergency responders. Must be used in accordance with an OSHA compliant respiratory protection program.

Personal protective equipment symbol(s):



SECTION 9 Physical and chemical properties

9.1. Basic physical and chemical properties

Physical state	: Liquid
Appearance	: Aerosol can.
Color	: No data available
Odor	: No data available
Odor threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Flammability (solid, gas)	: Extremely flammable aerosol.
Vapor pressure	: No data available
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Explosion limits	: No data available
Explosive properties	: Pressurized container: may burst if heated.
Particle characteristics	: No data available

9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

SECTION 10 Stability and reactivity

10.1. Reactivity

Extremely flammable aerosol. Pressurized container: may burst if heated.

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10.2. Chemical stability

Stable under normal conditions of use.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition. Incompatible materials.

10.5. Incompatible materials

Alcohols. Amines. Acids. Water. Sodium hydroxide. Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. Thermal decomposition generates: Carbon dioxide. Carbon monoxide. Hydrogen cyanide. Nitrogen oxides.

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Inhalation:dust,mist: Harmful if inhaled.

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Unknown acute toxicity (GHS US)	41.3% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) 41.3% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
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Butane

LC50 Inhalation - Rat	658 mg/l/4h
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Dimethyl ether

LC50 Inhalation - Rat	308.5 mg/l
LC50 Inhalation - Rat [ppm]	164000 ppm

Polymeric diphenylmethane diisocyanate

LD50 oral rat	49000 mg/kg
LD50 oral	10000 mg/kg
LD50 dermal rabbit	> 9500 mg/kg
LD50 dermal	9400 mg/kg
LC50 Inhalation - Rat (Dust/Mist)	0.49 mg/l/4h
LC50 Inhalation - Rat (Vapors)	0.49 mg/l

Alkanes, C14-17, chloro

LD50 oral rat	> 4000 mg/kg
LD50 oral	15000 mg/kg
LD50 dermal rat	> 2800 mg/kg

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According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Tris(2-chloroisopropyl) phosphate	
LD50 oral rat	500 – 2000 mg/kg body weight
LD50 dermal rat	> 2000 mg/kg body weight
LC50 Inhalation - Rat	> 7 mg/l/4h
Skin corrosion/irritation	: Causes skin irritation.
Tris(2-chloroisopropyl) phosphate	
Additional information	Not irritating to rabbits on cutaneous application
Serious eye damage/irritation	: Causes eye irritation.
Tris(2-chloroisopropyl) phosphate	
Additional information	Not irritating to rabbits on ocular application
Respiratory or skin sensitization	: May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
Tris(2-chloroisopropyl) phosphate	
Additional information	Local Lymph Node Assay : Negative
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.
Polymeric diphenylmethane diisocyanate	
IARC group	3 - Not classifiable
Reproductive toxicity	: May cause harm to breast-fed children.
Tris(2-chloroisopropyl) phosphate	
LOAEL (animal/female, F0/P)	≈ 99 mg/kg body weight
NOAEL (animal/male, F0/P)	≈ 85 mg/kg body weight
STOT-single exposure	: May cause respiratory irritation.
Polymeric diphenylmethane diisocyanate	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: May cause damage to organs (respiratory system) through prolonged or repeated exposure (Inhalation).
Polymeric diphenylmethane diisocyanate	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Alkanes, C14-17, chloro	
NOAEL (oral,rat,28 days)	23 mg/kg bw/day
NOAEL (oral,rat,90 days)	100 mg/kg body weight
Tris(2-chloroisopropyl) phosphate	
LOAEL (oral,rat,90 days)	≈ 99 mg/kg body weight
NOAEL (oral,rat,90 days)	≈ 85 mg/kg body weight

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Aspiration hazard	: Not classified
Symptoms/effects after inhalation	: Harmful if inhaled. May cause respiratory irritation. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.
Symptoms/effects after eye contact	: Eye irritation. Redness, itching, tears.
Symptoms/effects after ingestion	: May cause irritation to the digestive tract.
Chronic symptoms	: May cause damage to organs (respiratory system) through prolonged or repeated exposure (inhalation). Suspected of causing cancer. May cause harm to breast-fed children.

SECTION 12 Ecological information

12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute)	: Very toxic to aquatic life
Hazardous to the aquatic environment, long-term (chronic)	: Toxic to aquatic life with long lasting effects

Dimethyl ether	
LC50 - Fish [1]	> 4.1 g/l
EC50 - Crustacea [1]	> 4.4 g/l
EC50 96h - Algae [1]	154917 mg/l
ErC50 algae	155 mg/l
Alkanes, C14-17, chloro	
LC50 - Fish [1]	> 10000 mg/l
EC50 - Crustacea [1]	0.0077 mg/l
LC50 - Fish [2]	> 5000 mg/l
EC50 72h - Algae [1]	> 3.2 mg/l
EC50 96h - Algae [1]	> 3.2 mg/l
ErC50 algae	> 3.2 mg/l
LOEC (chronic)	0.018 mg/l
NOEC (chronic)	0.01 mg/l
NOEC chronic fish	3400 µg/l
NOEC chronic crustacea	0.01 mg/l
Tris(2-chloroisopropyl) phosphate	
LC50 - Fish [1]	56.2 mg/l
EC50 - Crustacea [1]	131 mg/l
EC50 72h - Algae [1]	82 mg/l
NOEC (chronic)	32 mg/l

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12.2. Persistence and degradability

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Persistence and degradability	Not established.
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Propane

Persistence and degradability	The product evaporates readily.
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Butane

Persistence and degradability	Not rapidly degradable
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Dimethyl ether

Persistence and degradability	Not rapidly degradable
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Polymeric diphenylmethane diisocyanate

Persistence and degradability	Not rapidly degradable
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Alkanes, C14-17, chloro

Persistence and degradability	Rapidly degradable
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Tris(2-chloroisopropyl) phosphate

Persistence and degradability	Not rapidly degradable
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12.3. Bioaccumulative potential

Dimethyl ether

Partition coefficient n-octanol/water (Log Pow)	0.1
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Polymeric diphenylmethane diisocyanate

Partition coefficient n-octanol/water (Log Pow)	10.46
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Alkanes, C14-17, chloro

Partition coefficient n-octanol/water (Log Pow)	4.7 – 8.3
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12.4. Mobility in soil

Dimethyl ether

Mobility in soil	27
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Alkanes, C14-17, chloro

Organic Carbon Normalized Adsorption Coefficient (Log Koc)	5
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12.5. Other adverse effects

Ozone : Not classified

Fluorinated greenhouse gases : No

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SECTION 13 Disposal considerations

Regional waste regulation	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Sewage disposal recommendations	: Disposal must be done according to official regulations.
Product/Packaging disposal recommendations	: Disposal must be done according to official regulations. Dispose of this material and its container at hazardous or special waste collection point. Refer to all applicable national, international and local regulations or provisions.
Additional information	: Do not re-use empty containers.
Ecological waste information	: Avoid release to the environment.
List of Hazardous Wastes Codes	: U.S. - RCRA (Resource Conservation Recovery Act) - D Waste- Characteristic Waste Codes. D001: IGNITABLE WASTE.

SECTION 14 Transport information

In accordance with DOT / IMDG / IATA

DOT	IMDG	IATA
14.1. UN number		
UN1950	1950	1950
14.2. Proper Shipping Name		
Aerosols	AEROSOLS	Aerosols, flammable
14.3. Transport hazard class(es)		
2.1	2.1	2.1
14.4. Packing group		
Not applicable	Not applicable	Not applicable
14.5. Environmental hazards		
	Dangerous for the environment: Yes Marine pollutant: Yes	
No supplementary information available		

14.6. Transport in bulk

Not applicable

14.7. Special precautions for user

DOT

UN-No. (DOT)	: UN1950
DOT Packaging Exceptions (49 CFR 173.xxx)	: 306
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 75 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 150 kg
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other	: 25 - Shade from radiant heat, 87 - Stow "separated from" Class 1 (explosives) except Division 14, 126 - Segregation same as for Class 9, miscellaneous hazardous materials

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IMDG

Special provision (IMDG)	: 63, 190, 277, 327, 344, 381, 959
Limited quantities (IMDG)	: SP277
Excepted quantities (IMDG)	: E0
Packing instructions (IMDG)	: P207, LP200
Packing provisions (IMDG)	: PP87, L2
EmS-No. (Fire)	: F-D - FIRE SCHEDULE Delta - FLAMMABLE GASES
EmS-No. (Spillage)	: S-U - SPILLAGE SCHEDULE Uniform - GASES (FLAMMABLE, TOXIC OR CORROSIVE)
Stowage category (IMDG)	: None
Stowage and handling (IMDG)	: SW1, SW22
Segregation (IMDG)	: SG69

IATA

PCA Excepted quantities (IATA)	: E0
PCA Limited quantities (IATA)	: Y203
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 203
PCA max net quantity (IATA)	: 75kg
CAO packing instructions (IATA)	: 203
CAO max net quantity (IATA)	: 150kg
ERG code (IATA)	: 10L

SECTION 15 Regulatory information

15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory.		
Contains chemical(s) subject to TSCA 12b export notification if product is shipped outside the U.S		
Alkanes, C14-17, chloro	CAS-No. 85535-85-9	6.34%

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.		
Polymeric diphenylmethane diisocyanate	CAS-No. 9016-87-9	44.98%

15.2. International regulations

CANADA

Propane (74-98-6)

Listed on the Canadian DSL (Domestic Substances List)

Butane (106-97-8)

Listed on the Canadian DSL (Domestic Substances List)

Dimethyl ether (115-10-6)

Listed on the Canadian DSL (Domestic Substances List)

Spray Foam Insulation – Expanding Foam for Thermal & Soundproofing – Class A Surface Burning Performance

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According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Polymeric diphenylmethane diisocyanate (9016-87-9)

Listed on the Canadian DSL (Domestic Substances List)

Alkanes, C14-17, chloro (85535-85-9)

Listed on the Canadian DSL (Domestic Substances List)

Tris(2-chloroisopropyl) phosphate (1244733-77-4)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

Propane (74-98-6)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Butane (106-97-8)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Dimethyl ether (115-10-6)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Polymeric diphenylmethane diisocyanate (9016-87-9)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

Alkanes, C14-17, chloro (85535-85-9)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
Propane(74-98-6)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List
Butane(106-97-8)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List
Dimethyl ether(115-10-6)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - New York City - Right to Know Hazardous Substances List; U.S. - Pennsylvania - RTK (Right to Know) List

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Component	State or local regulations
Polymeric diphenylmethane diisocyanate(9016-87-9)	U.S. - New Jersey - Right to Know Hazardous Substance List

SECTION 16 Other information

According to 29 CFR § 1910.1200, Hazard Communication Standard (HCS)

Revision date : 7/15/2026

Issue date : 6/15/2026

Full text of hazard classes and H-statements	
H220	Extremely flammable gas
H222	Extremely flammable aerosol
H229	Pressurized container; may burst if heated
H280	Contains gas under pressure; may explode if heated
H302	Harmful if swallowed
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H320	Causes eye irritation
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H351	Suspected of causing cancer.
H362	May cause harm to breast-fed children
H373	May cause damage to organs through prolonged or repeated exposure
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
SIAS	May displace oxygen and cause rapid suffocation

Indication of changes:		
Section	Changed item	Comments
1	Name	Modified

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.