



SAFETY DATA SHEET

DP 2585 Foam Insulation Spray Adhesive

Revision Date: May 25, 2021

Version #: 3.0

Supersedes Date: September 25, 2018

Section 1 – Product And Company Identification

Product identifier

Product Name: Foam Insulation Spray Adhesive
Product Code: DP 2585

Recommended use and restrictions on use

Recommended use

Adhesive

Supplier's Details

Manufactured For: Design Polymerics
Address: 3301 W. Segerstrom Ave., Santa Ana, CA 92704
Information Phone: (714) 432-0600

Emergency telephone number

Chem-Tel: (800) 255-3924 (24 hours)

Section 2 - Hazard Identification

Hazard Classifications

Acute Toxicity - Inhalation: Category 4
Skin Irritation: Category 2
Eye Damage: Category 2A
Reproductive Toxicity: Category 2
STOT Single Exposure: Category 3
STOT Repeated Exposure: Category 2
Aspiration: Category 1
Aquatic Hazard Acute: Category 1
Aquatic Hazard Long-term: Category 1
Extremely Flammable Aerosol: Category 1

Signal word

DANGER!

Pictograms



Hazard Statements

Harmful if inhaled.
Causes skin irritation.
Causes serious eye irritation.
Suspected of damaging fertility or the unborn child.
May cause drowsiness or dizziness.
May cause damage to organs through prolonged or repeated exposure.
May be fatal if swallowed and enters airways.
Very toxic to aquatic life.
Very toxic to aquatic life with long lasting effects.
Contains gas under pressure; may explode if heated.



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Precautionary Statements

Avoid release to the environment. Collect spillage.

Avoid breathing vapors. Use in a well-ventilated area.

IF INHALED: Call a doctor if you feel unwell. Remove person to fresh air and keep comfortable for breathing.

Do not breathe vapors. Get medical attention if you feel unwell.

IF SWALLOWED: Call a doctor if you feel unwell. Do NOT induce vomiting.

IF ON SKIN: Take off contaminated clothing and wash before reuse. Wash skin with plenty of water. If skin irritation occurs: Get medical attention.

Potential Health Effects

Principal Routes of Exposure:

Inhalation, skin absorption, eye contact.

Acute Effects

- Eye:** Contact with eyes may cause irritation. Direct contact with liquid or vapors may cause stinging, tearing, redness, swelling and eye damage.
- Skin:** May cause skin irritation and/or dermatitis. Prolonged or repeated contact or exposure to vapors may cause redness, burning, and drying and cracking of skin.
- Inhalation:** Breathing high concentrations of vapors may cause irritation of the nose and throat or signs of nervous system depression (e.g., headache, nausea, drowsiness, dizziness, vomiting, loss of coordination and fatigue).
- Ingestion:** Ingestion may cause irritation of the digestive tract, nausea, vomiting, and signs of nervous system depression
- Chronic Effects** Avoid repeated exposure. May cause blood damage. Repeated contact may cause allergic reactions in very susceptible persons.
- Aggravated Medical Conditions** Pre-existing eye, skin or respiratory disorders may be aggravated by exposure to this product.

Section 3 – Composition/Information on Ingredients

Ingredient	C.A.S. No.	% by Wt
Hexane	110-54-3	22 - 40%
Cyclohexane	110-82-7	12 - 25%
Liquefied petroleum gas	68476-86-8	12 - 25%
Dimethyl ether	115-10-6	12 - 25%
Acetone	67-64-1	5 - 15%
Methyl ethyl ketone	78-93-3	1 - 7%

Any remaining ingredients (to comprise 100% of the product) should be considered a proprietary blend of non-hazardous substances, or materials below threshold reporting limits.

Section 4 – First Aid Measures

General Advice:

Show this safety data sheet to the doctor in attendance.

Eyes:

Flush with plenty of cool water for at least 15 minutes, holding eyelids apart for thorough irrigation. If irritation persists, get immediate medical attention.

Skin:

Wash affected area thoroughly with soap and water. Remove contaminated clothing and wash affected areas thoroughly with mild soap. If skin irritation persists, get immediate medical attention.



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Inhalation:

Move to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen and get immediate medical attention.

Ingestion:

Do not induce vomiting, seek immediate medical attention. If vomiting occurs, keep head lower than hips to prevent aspiration.

Notes to Physician:

Treat symptomatically.

Section 5 – Fire-Fighting Measures

Extinguishing Media

Carbon dioxide, dry chemicals, foam. Water may be helpful in keeping adjacent containers cool; avoid spreading the liquid with water used for cooling. Water-based sprinkler systems may help contain larger fires.

Special Protective Equipment and firefighting procedures

Wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Specific hazards arising from the chemical.

Closed containers may rupture if exposed to fire or extreme heat. May produce toxic fumes if burning.

Section 6 – Accidental Release Measures

Personal Precautions

Use personal protective equipment. Remove all sources of ignition.

Environmental Precautions

Prevent further leakage or spillage if safe to do so. Do not allow material to contaminate ground water system. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.

Methods for Clean-up

Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. Clean contaminated surface thoroughly.

Other Information

None known.

Section 7 – Handling and Storage

Handling

Use only in area provided with appropriate exhaust ventilation. Do not breathe vapors or spray mist. Wear appropriate personal protective equipment. Take precautionary measures against static discharges. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from open flames, hot surfaces, and sources of ignition.

Storage

Keep containers tightly closed in a dry, cool, and well-ventilated place. Keep away from extremes of heat or cold. Keep in properly labeled containers.

Section 8 – Exposure Controls/Personal Protection

Note: Any items listed in the above with workplace control parameters which are not listed in section 3 are below threshold



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reporting values.

REL - Recommended Exposure Limits

TLV - Threshold Limit Value

Exposure Limits

Components with workplace control parameters:

Hazardous Components	OSHA PEL	ACGIH TLV
Hexane	500	50
Cyclohexane	300	100
Liquefied petroleum gas	Not established	1000
Dimethyl ether	Not established	1000
Acetone	1000	250
Methyl ethyl ketone	200	200

Engineering Measures

Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment:

Eyes/Face:

Safety goggles or glasses, or full-face shield.

Skin:

Protective gloves and impervious clothing. Consult the glove/clothing manufacturer for proper selection of materials.

Respiratory:

In operations where exposure limits are exceeded, use a NIOSH-approved respirator that has been selected by a technically qualified person for the specific work conditions.

Hygiene Practices:

Avoid contact with skin, eyes, and clothing. Remove and wash contaminated clothing before re-use. Wash thoroughly after handling. When using, do not eat, drink, or smoke.

Section 9 – Physical and Chemical Properties

Appearance	Amber-colored liquid	Upper Flammability/Explosive Limit	10.26
Oxidizing Properties	No Data Available	Lower Flammability/Explosive Limit	1.83
Odor	Solvent odor	Vapor Pressure (mm Hg)	Not available
Odor Threshold	No Data Available	Vapor Density	Heavier than air
pH Value	No Data Available	Bulk Density (lb/gal)	5.98
Melting Point / Freezing Point	No Data Available	VOC Content (g/L)	475
Boiling Point	-24.0 °F [-31.1 °C]	VOC Less Water & Exempts (g/L)	493
Flash Point	-156.0°F [-104.4°C]	Specific Gravity (g/l)	0.718
Explosive Properties	No Data Available	Auto-Ignition Temperature	No Data Available
Evaporation Rate	Faster than nBuAc	Decomposition Temperature	No Data Available
Flammability (solids)	No Data Available	Partition Coefficient	No Data Available
Solubility in Water	Insoluble	Viscosity	No Data Available



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Section 10 – Stability and Reactivity

Chemical Stability:

Stable under normal conditions. Hazardous polymerization does not occur.

Possibility of Hazardous Reactions:

None under normal conditions of use.

Conditions to Avoid:

Keep away from open flames, hot surfaces, static electricity, and sources of ignition. Avoid extremes of heat or cold.

Materials to Avoid:

Incompatible with strong acids and bases, alkali metals, halogens, and strong oxidizing agents.

Hazardous Decomposition:

Thermal decomposition can lead to release of irritating gases and vapors. Carbon monoxide, carbon dioxide, smoke, and other unidentified organic compounds may be formed during combustion.

Section 11 – Toxicological Information

Numerical Measures of Toxicity for Individual Components

Likely Routes of Exposure:

Inhalation, skin absorption, eye contact.

Acute Toxicity	Oral: No data; Skin: No data; Inhalation: Category 4	Sensitization	Respiratory: No data; Skin: No data
Irritation	Skin: Category 2	Mutagenicity	No data
Reproductive Toxicity	Category 2	Aspiration Hazards	Category 1
Specific Target Organ Toxicity - Single Exposure		Category 3	
Specific Target Organ Toxicity - Repeated Exposure		Category 2	

Chronic Toxicity / Carcinogenicity:

The information below indicates whether each agency has listed any ingredient as a carcinogen. If no ingredients are listed below, then there are no known classifications.

Component	IARC	NTP	OSHA
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Section 12 – Ecological Information

The information and data for components are listed individually for areas of ecological consideration below.

Aquatic Toxicity	Acute and prolonged toxicity to fish: Acute toxicity to aquatic invertebrates: Environmental fate and pathways:	No Data Available No Data Available No Data Available
Persistence and Degradability	No Data Available	Mobility in Soil
Bioaccumulative Potential	No Data Available	Other Adverse Effects
		No Data Available No Data Available

Section 13 – Disposal Considerations

Waste Disposal Method

Dispose of in accordance with all applicable local, state, and federal regulations. Do not discharge effluent containing this



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product into lakes, streams, ponds, estuaries, oceans, or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit, and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

Section 14 – Transport Information

The shipping classification in this section is meant as a guide to overall classification of the product. However, transportation classifications may be subject to change with changes in package size. Consult shipper requirements under 49 CFR, IATA and IMDG to assure regulatory compliance.

REGULATION

DESCRIPTION

DOT

Proper Shipping Name	CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S.
Technical Name	(PROPANE, BUTANE)
Hazard Class	2.1
UN Number	UN3501
Packing Group	

Placards



ICAO / IATA
IMDG / IMO

No Data Available
No Data Available

Section 15 – Regulatory Information

US TSCA

Yes. All components are listed or exempt.

Canada DSL

Yes. All components are listed or exempt.

OSHA Regulatory Status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

SARA 313

Section 313 OF Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). If listed below, this product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

Chemical Designation	CAS Number	Weight %
Hexane	110-54-3	22-40%
Cyclohexane	110-82-7	12-25%

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPS) (see 40 CFR 61)

Chemical Designation	CAS Number	Weight %
Hexane	110-54-3	22-40%



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State Regulations

California Prop. 65

This product contains one or more chemicals known to the state of California to cause cancer and/or reproductive harm. Unless chemical names are listed below, these chemicals are present only in trace amounts. www.P65Warnings.ca.gov.

Chemical Name	CAS Number
Hexane	110-54-3

Section 16 – Other Information

NFPA Hazard Classification

Health: 1 Flammability: 3 Instability: 0 Special Hazards: B

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

Creation Date: May 15, 2015
Review Date: October 1, 2020
Revision Date: May 25, 2021. Supersedes all previous
Version #: 3.0
Revision Notes: New formulation
Prepared By: Technical Department

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