

SECTION 1) CHEMICAL PRODUCT AND MANUFACTURER'S IDENTIFICATION

Product ID: 90-15130
Product Name: UPC 2.0 HFO - Cured Foam
Revision Date: Dec 15, 2023 **Date Printed:** Dec 15, 2023
Version: 1.0 **Supersedes Date:** N.A.
Manufacturer's Name: Universal Polymers Corporation
Address: 8550 W. Desert Inn Rd., Suite 102-380, Las Vegas, NV, US, 89117
Emergency Phone: Chemtrec: 800-424-9300 (account:CCN1217) OR International:703-527-3887 (account:CCN1217)
Information Phone Number: (682) 503-8069
Fax: (682) 334-7067
Product/Recommended Uses: For Further Information, Refer to the Product Technical Data Sheet.

SECTION 2) HAZARDS IDENTIFICATION

Classification

Not classified as a hazardous substance or mixture in accordance to the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS).

Acute toxicity of 95% of the mixture is unknown

SECTION 3) COMPOSITION/INFORMATION ON INGREDIENTS

CAS	Chemical Name	% By Weight
NOT LISTED	INERT POLYURETHANE POLYMER	62% - 100%
0102687-65-0	1-PROPENE, 1-CHLORO-3,3,3-TRIFLUORO-, (1E)-	0% - 15%

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

SECTION 4) FIRST-AID MEASURES

Inhalation

Remove the person from the contaminated area to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Contact a physician if symptoms develop.

Skin Contact

Remove contaminated clothing and shoes. Wash affected areas with soap and water.

Eye Contact

In case of contact, hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

Ingestion

Not an expected route of entry in an industrial setting. Though material is not toxic, large pieces can present a choking hazard.

Most important symptoms and effects, both acute and delayed

No data available.

Indication of any immediate medical attention and special treatment needed

No data available.

SECTION 5) FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Carbon dioxide, water fog, dry chemical or chemical foam.

Unsuitable Extinguishing Media

No data available.

Specific Hazards in Case of Fire

Polyurethane foams, in common with other organic materials such as paper, wood and cotton can present unreasonable fire risks when exposed to ignition sources. Once ignited, fires can burn rapidly and produce intense heat and dense smoke. Install foam only after all welding, cutting or other hot work has been completed. Do not weld or perform other hot work on foam filled construction.

Fire-fighting Procedures

Firefighters should wear self-contained breathing apparatus and full protective gear.

Special Protective Actions

Care should always be exercised in dust/mist areas.

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

SECTION 6) ACCIDENTAL RELEASE MEASURES

Emergency Procedure

Keep unnecessary people away. This is a solid material.

Personal Precautions

Avoid contact with skin, eyes or clothing.

Environmental Precautions

Prevent material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

Methods and Materials for Containment and Cleaning up

Use dry clean-up methods that do not disperse dust into the air or entry into surface water.

Recommended Equipment

Appropriate dust or face mask to eliminate breathing foam dust particulates.

SECTION 7) HANDLING AND STORAGE

General

Wash hands after use.

Do not get in eyes, on skin or on clothing.

Do not breathe vapors or dust.

Use good personal hygiene practices.

Eating, drinking and smoking in work areas is prohibited.

Remove contaminated clothing and protective equipment before entering eating areas.

Wash thoroughly after engaging in any cutting, grinding or sanding work.

Ventilation Requirements

Use sufficient ventilation to maintain the dust.

Storage Room Requirements

Store in cool, dry, well-ventilated areas away from heat, direct sunlight, strong oxidizers and any incompatibilities.

SECTION 8) EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye protection

When cutting, sanding or grinding, wear safety glasses with side shields or splash goggles.

Skin Protection

Wear protective clothing when sanding, grinding or cutting this product to prevent skin contact.

Respiratory protection

Respiratory protection is not needed when material has thoroughly cured and is left in place, undisturbed. Respirator use may be required when performing operations such as cutting, grinding, sanding, etc. The level of respiratory protection need should be based on the evaluation of chemical exposures by a health or safety professional. A NIOSH/MSHA approved dust mask will suffice for most circumstances involving cutting, grinding or sanding.

Appropriate Engineering Controls

When cutting, sanding or grinding, use with adequate general and local exhaust ventilation. When cutting, sanding or grinding outdoors, stay well away from building air intakes or close and seal the intakes to prevent product from entering building.

Chemical Name	OSHA TWA (ppm)	OSHA TWA (mg/m3)	OSHA STEL (ppm)	OSHA STEL (mg/m3)	OSHA Tables (Z1, Z2, Z3)	OSHA Carcinogen	OSHA Skin designation	NIOSH TWA (ppm)
1-Propene, 1-chloro-3,3,3-trifluoro-, (1E)-								

Chemical Name	NIOSH TWA (mg/m3)	NIOSH STEL (ppm)	NIOSH STEL (mg/m3)	NIOSH Carcinogen	ACGIH TWA (ppm)	ACGIH TWA (mg/m3)	ACGIH STEL (ppm)	ACGIH STEL (mg/m3)
1-Propene, 1-chloro-3,3,3-trifluoro-, (1E)-						2.5		

SECTION 9) PHYSICAL AND CHEMICAL PROPERTIES

Physical and Chemical Properties

Density	1.5-8.0 PCF
Specific Gravity	N.A.
VOC Regulatory	0.0 lb/gal
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VOC Part A & B Combined	N.A.
Appearance	Solid
Odor Threshold	N.A.
Odor Description	None
pH	N.A.
Water Solubility	N.A.
Flammability	N/A
Flash Point Symbol	N.A.
Flash Point	N.A.
Viscosity	N.A.
Lower Explosion Level	N.A.
Upper Explosion Level	N.A.
Vapor Pressure	N.A.
Vapor Density	N.A.
Freezing Point	N.A.
Melting Point	250 °C
Low Boiling Point	N.A.
High Boiling Point	N.A.

Auto Ignition Temp	N.A.
Decomposition Pt	N.A.
Evaporation Rate	N.A.
Coefficient Water/Oil	N.A.

SECTION 10) STABILITY AND REACTIVITY

Chemical Stability

Material is stable at standard temperature and pressure.

Possibility of Hazardous Reactions/Polymerization

Will not occur.

Conditions To Avoid

Extreme temperatures, open flames.

Incompatible Materials

None known.

Hazardous Decomposition Products

Decomposition not expected to occur if handled and stored properly. In fire conditions carbon monoxide, carbon dioxide, hydrogen halides, phosphorous oxides, possible traces of hydrogen cyanide and nitrogen oxides may be generated.

SECTION 11) TOXICOLOGICAL INFORMATION

Likely Route of Exposure

Inhalation, ingestion, skin absorption

Skin Corrosion/Irritation

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

Serious Eye Damage/Irritation

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

Respiratory/Skin Sensitization

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

Carcinogenicity

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

Germ Cell Mutagenicity

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

Reproductive Toxicity

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

Specific Target Organ Toxicity - Single Exposure

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

Specific Target Organ Toxicity - Repeated Exposure

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

Aspiration Hazard

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

Acute Toxicity

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

Likely Routes of Exposure

Inhalation, Ingestion, Skin contact, Eye contact

SECTION 12) ECOLOGICAL INFORMATION

Toxicity

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

Persistence and Degradability

No data available.

Bioaccumulative Potential

No data available.

Mobility in Soil

No data available.

Other Adverse Effects

No data available.

SECTION 13) DISPOSAL CONSIDERATIONS

Waste Disposal

Dispose in accordance with applicable federal, state and local government regulations.

SECTION 14) TRANSPORT INFORMATION

U.S. DOT Information

Not regulated.

IMDG Information

Not regulated.

IATA Information

Not regulated.

SECTION 15) REGULATORY INFORMATION

CAS	Chemical Name	% By Weight	Regulation List
0102687-65-0	1-PROPENE, 1-CHLORO-3,3,3-TRIFLUORO-, (1E)-	0% - 15%	DSL, SARA312, TSCA

SECTION 16) OTHER INFORMATION

OTHER INFORMATION

Note: As per GHS, category 1 is the greatest level of hazard within each class.

Glossary

ACGIH- American Conference of Governmental Industrial Hygienists; ANSI- American National Standards Institute; CA Prop65- California Proposition 65; Canadian TDG- Canadian Transportation of Dangerous Goods; CAS- Chemical Abstract Service; Chemtrec- Chemical Transportation Emergency Center (US); CHIP- Chemical Hazard Information and Packaging; DSL- Domestic Substances List; EC- Equivalent Concentration; EH40 (UK)- HSE Guidance Note EH40 Occupational Exposure Limits; EPCRA- Emergency Planning and Community Right-To-Know Act; ESL- Effects screening levels; HMIS- Hazardous Material Information Service; LC- Lethal Concentration; LD- Lethal Dose; NFPA- National Fire Protection Association; OEL- Occupational Exposure Limits; OSHA- Occupational Safety and

Health Administration, US Department of Labor; PEL- Permissible Exposure Limit; SARA (Title III)- Superfund Amendments and Reauthorization Act; SARA 313- Superfund Amendments and Reauthorization Act, Section 313; SCBA- Self-Contained Breathing Apparatus; STEL- Short Term Exposure Limit; TCEQ- Texas Commission on Environmental Quality; TLV- Threshold Limit Value; TSCA- Toxic Substances Control Act Public Law 94-469; TWA- Time Weighted Value; US DOT- US Department of Transportation; WHMIS- Workplace Hazardous Materials Information System.

ACGIH - American Conference of Governmental Industrial Hygienists; CAS - Chemical Abstracts Service ; Chemtrec - Chemical Transportation Emergency Center; DSL - Domestic Substances List; ESL- Effects screening levels; GHS - "Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Nations; HMIS - Hazardous Material Information Service; IATA - Dangerous Goods Regulations (DGR) for the air transport (IATA); IMDG - International Maritime Dangerous Goods Code; LC - Lethal Concentration; LD - Lethal Dose; NFPA - National Fire Protection Association; OEL - Occupational Exposure Limits; OSHA- Occupational Safety and Health Administration, US Department of Labor; PEL - Permissible Exposure Limit; SARA 313 - Superfund Amendments and Reauthorization Act, Section 313; SCBA - Self Contained Breathing Apparatus; ppm - parts per million; STEL - Short-term exposure limit; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act Public Law 94-469; TWA - Time-weighted average; US DOT- US Department of Transportation.

DISCLAIMER

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