

SAFETY DATA SHEET - FINISHED FOAM

SECTION 1: PRODUCT & COMPANY INFORMATION

Manufacturer of Chemical Components Demilec 3315 E. Division Street, Arlington, TX 76011 Phone: 817-640-4900 / Fax: 817-633-2000 E-mail: Info@Demilec.com / Website: www.Demilec.com	GHS Product Identifier: Heatlok® HFO Pro Chemical Name: Urethane Plastics Product Type: Solid Identified Use: Insulation Foam
Emergency Telephone: CHEMTREC 800-424-9300 or CANUTEC 613-996-6666	

SECTION 2: HAZARDS IDENTIFICATION

OSHA / HCS Status	While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.
Classification of the Substance or Mixture	Not classified.
GHS LABEL ELEMENTS INCLUDING PRECAUTIONARY STATEMENTS	
Hazard Pictograms	None.
Signal Word	No signal word.
Hazard Statements	No known significant effects or critical hazards.
PRECAUTIONARY STATEMENTS	
Prevention	Not applicable.
Response	Not applicable.
Storage	Not applicable.
Disposal	Not applicable.
HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)	
Physical Hazards Not Otherwise Classified (PHNOC)	None known.
Health Hazards Not Otherwise Classified (HHNOC)	None known.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substance/Mixture	Mixture	
Chemical Name	Urethane Plastic	
CAS NUMBER / OTHER IDENTIFIERS		
CAS Number	Not applicable.	
Product Code	Not available.	
INGREDIENTS	CAS #	%
Urethane Plastics	9009-54-5	90 - 100

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 as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8.

SECTION 4: 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. Get medical attention if irritation occurs.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.
Skin Contact	Flush contaminated skin with plenty of water. Get medical attention if symptoms occur.
Ingestion	Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED**POTENTIAL ACUTE HEALTH EFFECTS**

General information	Exposure to hazardous substances is not expected when handling this product for its intended use. The product is essentially inert with low oral and dermal toxicity. In some workplaces, operations with this product may lead to generation of dust. Exposure to dusts may have occupational health hazards.
Eye Contact	Dust may cause mechanical irritation to eyes.
Inhalation	Dust may cause mechanical irritation to respiratory system.
Skin Contact	Dust may cause mechanical irritation to skin.
Ingestion	Dust may cause choking if swallowed.

OVER-EXPOSURE SIGNS/SYMPTOMS

Eye Contact	No known significant effects or critical hazards.
Inhalation	No known significant effects or critical hazards.
Skin Contact	No known significant effects or critical hazards.
Ingestion	No known significant effects or critical hazards.

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 special protection is required.
See toxicological information (Section 11)	

SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Use water, dry chemical, carbon dioxide or chemical foam.
Unsuitable Extinguishing Media	None known.
Specific Hazards Arising from the Chemical	During a fire, burning may generate carbon monoxide, carbon dioxide, carbonyl halides, gaseous hydrogen chloride, gaseous hydrogen fluoride, irritating and toxic fumes. Burning of large volumes of foam can produce dense clouds of thick, black smoke, which can make it difficult to escape from the fire area. Overheating can produce a hot, semi-liquid melt, which can produce contact blisters and release toxic and/or flammable gases or vapors. Foam may tend to melt while burning, forming a flaming, molten product, which could spread the fire. Beware of smoldering re-ignition. After extinguishing, soak completely, tear or cut foam apart and remove burned material to a safe outdoor area. CAUTION: Foam may appear to be extinguished but may be burning or smoldering internally and/or contain molten product. Do not allow smoking in areas where foams are made or stored. Check for compliance with insurance regulations, local building codes or other legal requirements.
Hazardous Thermal Decomposition Products	Under fire conditions: carbon monoxide, carbon dioxide, gaseous hydrogen chloride, gaseous hydrogen fluoride, irritating and toxic fumes.
Special Protective Actions for Fire Fighters	As for any fire, evacuate the area and fight the fire from a safe distance. Wear a pressure demand, self-contained breathing apparatus and full protective gear. Fight fire from a protected location or a safe distance. Any water runoff should be minimized and contained.
Special Precautions	Always respect recommended processing installation procedures, maximum thickness per coat and cooling, never apply excessive thickness in one application, as it could cause spontaneous combustion of the foam hours after the foam was installed. Rigid polyurethane foam can present fire risks in some applications when exposed to ignition sources. Once ignited, this product can burn rapidly and produce rapid flame spread, quick flashover, toxic or flammable gases, dense smoke and intense heat. In no event should the polyurethane foam remain exposed or unprotected. Make no application of foam to interior wall and ceilings or other space enclosures without prompt and subsequent application of approved thermal barriers. No welding or flame cutting until proper surface protection has been provided.
Special Protective Equipment	Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus

SECTION 6: ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES**

For Non-emergency Personnel	Not applicable.
For Emergency Responders	Not applicable.
Environmental Precautions	Not applicable.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Spill	Not applicable.
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SECTION 7: HANDLING PRECAUTIONS**PRECAUTIONS FOR SAFE HANDLING**

Protective Measures	Not applicable.
Advice on General Occupational Hygiene	Avoid inhalation of product dust. 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. See also Section 8 for additional information on hygiene measures.
Conditions for Safe Storage Including any Incompatibilities	Keep away from open flame, electrical or mechanical sparks, electric heaters, high powered lights, flame sources and flammable liquids and gases. Protect all indoor bun and sheet storage areas with fusible sprinkles.
Storage Temperature	Not applicable.
Storage Life	Not applicable.

SECTION 8: EXPOSURE CONTROL**CONTROL PARAMETERS - UNITED STATES****OCCUPATIONAL EXPOSURE LIMITS**

Inhalable Dust	ACGIH TLV (8-hr. TWA) 3 (respirable) mg/m ³ 10 (inhalable) mg/m ³ U.S. OSHA PEL (8-hr. TWA) 5 (respirable) mg/m ³ 15 (total dust) mg/m ³
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CONTROL PARAMETERS - CANADA**OCCUPATIONAL EXPOSURE LIMITS**

Inhalable Dust	ACGIH TLV (8-hr. TWA) 3 (respirable) mg/m ³ 10 (inhalable) mg/m ³ U.S. OSHA PEL (8-hr. TWA) 5 (respirable) mg/m ³ 15 (total dust) mg/m ³
Inhalable Dust	Ontario (Canada) TWAEV 3 (respirable) mg/m ³ 10 (inhalable) mg/m ³
Appropriate Engineering Controls	If user operations generate dust, provide appropriate ventilation to control dust to concentrations below the exposure guidelines.
Environmental Exposure Controls	Not applicable.

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 should be used when a risk assessment indicates this is necessary to avoid exposure to dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.
Hand Protection	Gloves should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
Body Protection	Personal protective equipment for the body should be selected based on the task being performed and the risks involved.
Other Skin Protection	Appropriate footwear and any additional skin protection measures should be selected based on the task

being performed and the risks involved.

Respiratory protection

Based on the hazard and potential for exposure, select a respirator or dust mask that meets the appropriate standard.

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Physical State	Solid cellular structure.
Color	Green.
Odor	Neutral.
Odor Threshold	Not applicable.
pH	Not applicable.
Melting Point	Not applicable.
Boiling Point	Not applicable.
Flash Point	Not applicable.
Evaporation Rate	Not applicable.
Flammability (Solid, Gas)	Not available.
Lower and Upper Explosive (Flammable) Limits	Not applicable.
Vapor Pressure	Not applicable.
Vapor Density	Not applicable.
Specific Gravity @ 25°C (77°F)	Not applicable.
Solubility	Not applicable.
Partition Coefficient: N-Octanol/Water	Not applicable.
Auto-Ignition Temperature	Not available.
Decomposition Temperature	Not available.
Viscosity @ 25°C (77°F) (cps)	Not applicable.
Volatility	Not applicable.

SECTION 10: STABILITY & REACTIVITY

Reactivity	No specific test data related to reactivity available for this product or its ingredients.
Chemical Stability	The product is stable. Chemically stable in the presence of most solvents found in binders, bituminous material, wood preservatives and sealers. Resistant to facers containing plasticizer, fuel, mineral oil, weak acids and weak bases. Resistant to fungi and microbes. UV rays cause a darkening of the foam surface and with time will degrade the surface.
Possibility of Hazardous Reactions	Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to Avoid	Avoid heat, flames, sparks, and other sources of ignition.
Incompatible Materials	Can react with strong oxidizing agents. May decompose in contact with strong acids and strong bases. Exposure to ultraviolet light may alter the color shade. Any changes or modifications to the foam products or the addition of or combination with other materials require a re-evaluation of the potential hazards by the processor or user.
Hazardous Decomposition Products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

There is no data available.

IRRITATION/CORROSION

There is no data available.

SENSITIZATION

There is no data available.

MUTAGENICITY

There is no data available.

CARCINOGENICITY

There is no data available.

REPRODUCTIVE TOXICITY

There is no data available.

TERATOGENICITY

There is no data available.

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)

There is no data available.

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE)

There is no data available.

ASPIRATION HAZARD

There is no data available.

INFORMATION ON THE LIKELY ROUTES OF EXPOSURE

There is no data available.

POTENTIAL ACUTE HEALTH EFFECTS

Eye Contact	Dust may cause mechanical irritation to eyes.
Inhalation	Dust may cause mechanical irritation to respiratory system.
Skin Contact	Dust may cause mechanical irritation to skin.
Ingestion	Dust may cause choking if swallowed.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL, AND TOXICOLOGICAL CHARACTERISTICS

Eye Contact	No known significant effects or critical hazards.
Inhalation	No known significant effects or critical hazards.
Skin Contact	No known significant effects or critical hazards.
Ingestion	No known significant effects or critical hazards.

DELAYED AND IMMEDIATE EFFECTS AND ALSO CHRONIC EFFECTS FROM SHORT AND LONG TERM EXPOSURE**SHORT TERM EXPOSURE**

Potential Immediate Effects	No known significant effects or critical hazards.
Potential Delayed Effects	No known significant effects or critical hazards.

LONG TERM EXPOSURE

Potential Immediate Effects	No known significant effects or critical hazards.
Potential Delayed Effects	No known significant effects or critical hazards.

POTENTIAL CHRONIC HEALTH EFFECTS

General	No known significant effects or critical hazards.
Carcinogenicity	No known significant effects or critical hazards.
Mutagenicity	No known significant effects or critical hazards.
Teratogenicity	No known significant effects or critical hazards.
Developmental Effects	No known significant effects or critical hazards.
Fertility Effects	No known significant effects or critical hazards.

NUMERICAL MEASURES OF TOXICITY - ACUTE TOXICITY ESTIMATES

There is no data available.

SECTION 12: ECOLOGICAL INFORMATION**TOXICITY**

There is no data available.

PERSISTENCE AND DEGRADABILITY

There is no data available.

BIOACCUMULATIVE POTENTIAL

There is no data available.

MOBILITY IN SOIL

Soil/Water Partition Coefficient (K _{oc})	There is no data available.
Other Adverse Effects	No known significant effects or critical hazards.

SECTION 13: DISPOSAL CONSIDERATION

Disposal Methods	The generation of waste should be avoided or minimized wherever possible. Disposal of this product should comply with federal, state, provincial and local environmental control regulations.
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SECTION 14: TRANSPORTATION INFORMATION

DOT	
UN Number	Not regulated.
UN Proper Shipping Name	-
Transport Hazard Class(es)	-
Packing Group	-
Environmental Hazard	No.
Additional Information	-
TDG	
UN Number	Not regulated.
UN Proper Shipping Name	-
Transport Hazard Class(es)	-
Packing Group	-
Environmental Hazard	No.
Additional Information	-
IMDG	
UN Number	Not regulated.
UN Proper Shipping Name	-
Transport Hazard Class(es)	-
Packing Group	-
Environmental Hazard	No.
Additional Information	-
IATA	
UN Number	Not regulated.
UN Proper Shipping Name	-
Transport Hazard Class(es)	-
Packing Group	-
Environmental Hazard	No.
Additional Information	-
AERG: Not applicable.	
Special Precautions for User	None known.
Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

SECTION 15: REGULATORY INFORMATION

UNITED STATES	
U.S. Federal Regulations	United States inventory (TSCA 8b): Polyurethane foam meets the definition of an Article 19 CFR Section 12.120(a); 40 CFR Sections 704.3, 710.2(e) and 720.3(c).
Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs)	Not available.
Clean Air Act Section 602 Class I Substances	Not available.

Clean Air Act Section 602 Class II Substances	Not available.
DEA List I Chemicals (Precursor Chemicals)	Not available.
DEA List II Chemicals (Essential Chemicals)	Not available.
SARA 302/304	Not available.
SARA 304 RQ	Not available.
SARA 311/312	
Not available.	
SARA 313	
Not available.	
STATE REGULATIONS	
Massachusetts	Not available.
New York	Not available.
New Jersey	Not available.
Pennsylvania	Not available.
CALIFORNIA PROP. 65	
Not applicable.	
CANADA	
CANADIAN LISTS	
Canadian NPRI	Not available.
CEPA Toxic Substances	Not available.
Canada Inventory	Polyurethane foam meets the definition of a manufactured item. Substances described as manufactured items are not subject to the regulations and are therefore excluded from notification.

SECTION 16: OTHER INFORMATION

Prepared by	Demilec Inc. - Technical Department
Preparation Date (Y/M/D)	2018-3-9
Current Issue Date (Y/M/D)	2018-3-9
KEY TO ABBREVIATIONS	
ATE	Acute Toxicity Estimate
BCF	Bioconcentration Factor
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 73/78	International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN	United Nations

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