

# SAFETY DATA SHEET (SDS)

UN GLOBALLY HARMONIZED SYSTEM (GHS) FOR HAZARD COMMUNICATION



FLEXIBLE  
POLYURETHANE  
FOAM

Warning	-	-	-	-
<b>HEALTH</b>	<b>0</b>			
<b>FLAMMABILITY</b>	<b>1</b>			
<b>PHYSICAL HAZARD</b>	<b>0</b>			
<b>PERSONAL PROTECTION</b>	<b>A</b>			

SECTION 1: IDENTIFICATION

TUE 3-OCT-2017 15:03

## 1.1 Product Identification

<b>GHS Product Identifier/Label</b>	Flexible Polyurethane Foam
<b>Product Codes/Names</b>	Flexible Polyurethane Foam

## 1.2 Recommended Use of the Chemical and Restrictions on Use

<b>Recommended Use</b>	VenMill Buffing Unit
<b>Restrictions On Use</b>	None identified

## 1.3 Supplier's Details

**Company** VENMILL INDUSTRIES  
30 TOWN FOREST RD  
OXFORD MA 01540-2833  
USA



### EMERGENCY Information Services

VENMILL: In United States, Canada, Puerto Rico, and the US Virgin Islands: 1-866-864-0210; Outside the United States: +01 or +001 508-363-0410 (call collect). Customer Support hours are Monday - Friday from 8:30 AM - 5:00 PM Eastern time (GMT-05:00).

IF A PERSON HAS COLLAPSED, HAD A SEIZURE, HAS TROUBLE BREATHING, OR CANNOT BE AWAKENED, IMMEDIATELY CALL LOCAL EMERGENCY MEDICAL SERVICES (EMS).

REFER TO SDS SECTION 4, THE USA POISON HELP LINE AT 1-800-222-1222, OR USE POISONHELP.ORG

SECTION 2: HAZARD IDENTIFICATION

## 2.1 Classification of the Substance or Mixture

**Hazard Category** Flammable Solid

## 2.2 GHS Label Elements

### Hazard Pictograms



### Signal Words

FLAME [blank] [blank] [blank] [blank]  
**Warning** - - - -

### Hazard Statements

H228: Flammable solid

### Precautionary Statements

P210: Keep away from heat/sparks/open flames/hot surfaces  
 – No smoking

### 2.3 Unclassified Contributing Hazards

None identified.

### 2.4 HMIS® Ratings

<b>HEALTH</b>	<b>0</b>
<b>FLAMMABILITY</b>	<b>1</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>
<b>PERSONAL PROTECTION</b>	<b>A</b>

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

Chemical Identity	Common Name	CAS	EC	REACH	Impurity Additives
Non-classified	Foam				

### 3.2 Mixtures

Chemical Identity	Common Name	CAS	EC	REACH	Mass Volume (%)
Non-classified	Foam				

## SECTION 4: FIRST-AID MEASURES

### 4.1 Description of Necessary First-Aid Measures

#### EMERGENCY

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#### General

Personal Protective Equipment (PPE) for first-aid responders is recommended.

<b>Inhalation</b>	In case of inhalation exposure: If exposed or concerned, get medical advice/attention.
<b>Skin</b>	In case of skin exposure: Get medical advice/attention if persons feel unwell.
<b>Eye</b>	In case of eye exposure, gently brush product off face. Do not rub eyes. Let the eyes water naturally for a few minutes. Look right and left, then up and down. If particle/dust does not come out, cautiously rinse eyes with lukewarm, gently flowing water for 5 minutes or until particle/dust is removed, while holding the eyelids open. If eye irritation persists, get medical advice/attention. Do not attempt to manually remove anything from the eyes.
<b>Ingestion</b>	In case of ingestion: Get medical advice/attention if persons feel unwell.

**4.2 Most Important Symptoms/Effects, Acute and Delayed**

Eye irritation.

**4.3 Indication of Immediate Medical Attention and Treatment Needed**

No specific data available.

**SECTION 5: FIRE-FIGHTING MEASURES**

**5.1 Suitable Extinguishing Media**

UL-rated 3-A:40-B:C extinguisher is suggested. Suitable media: Carbon dioxide {CO<sub>2</sub>}; dry chemical {sodium bicarbonate NaHCO<sub>3</sub>, potassium bicarbonate KHCO<sub>3</sub>}; low-expansion aqueous film forming foams (AFFF) {1,3-Propanediol CH<sub>2</sub>(CH<sub>2</sub>OH)<sub>2</sub>, 2-Methyl-2,4-pentanediol (CH<sub>3</sub>)<sub>2</sub>C(OH)CH<sub>2</sub>CH(OH)CH<sub>3</sub> + Dodecanol CH<sub>3</sub>(CH<sub>2</sub>)<sub>10</sub>CH<sub>2</sub>OH}.

**5.2 Special Hazards Arising from Chemicals**

Carbon monoxide CO, dense smoke, irritation fumes.

**5.3 Special Protective Actions for Fire-Fighters**

Firefighters should wear Self-Contained Breathing Apparatus (SCBA) and full protective equipment.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

**6.1 Personal Precautions, Protective Equipment and Emergency Procedures**

No specific data available.

**6.2 Environmental Precautions**

No special considerations. Avoid release of material to surface waters.

**6.3 Methods and Materials for Containment and Cleaning Up**

No specific data available.

**SECTION 7: HANDLING AND STORAGE**

**7.1 Precautions for Safe Handling**

Wear appropriate personal protective equipment (PPE). Wash thoroughly after handling. Consider potential exposure to processed base materials or coatings.

**7.2 Conditions for Safe Storage**

Keep away from sources of ignition or heat.

**SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

**8.1 Control Parameters**

Substances with Exposure Limits (Air/Biological)	Cal/OSHA-PEL	ACGIH® TLV®	EU	Other
Inhalable Dust	Particulates (Insoluble) Not Otherwise Regulated (PNOR): 5-mg/m <sup>3</sup> 8-hr TWA (respirable) ; 15-mg/m <sup>3</sup> 8-hr TWA (total dust)	Particulates (Insoluble) Not Otherwise Specified (PNOS): 3-mg/m <sup>3</sup> 8-hr TWA (respirable) ; 10-mg/m <sup>3</sup> 8-hr TWA (inhalable)		Ontario Canada TWAEV: Particulates (Insoluble) Not Otherwise Specified (PNOS): 3-mg/m <sup>3</sup> 8-hr TWA (respirable); 10-mg/m <sup>3</sup> 8-hr TWA (inhalable)

**8.2 Appropriate Engineering Controls**

<b>Air Concentration</b>	Respirable dust and debris hazards may be created. Maintain air concentrations below occupational exposure standards.
<b>Local Exhaust Ventilation</b>	Use local exhaust, where possible.
<b>Equipment Restrictions</b>	Use in enclosed systems, where possible.
<b>Handling Reduction</b>	No specific data available.
<b>Environmental Exposure Controls</b>	No special considerations. Avoid release of material to surface waters.
<b>Additional Information</b>	Observe good chemical hygiene practices. Do not smoke or eat while using this product. Wash hands or exposed skin after using the product. Operations using this product may release substances which require monitoring or control.

**8.3 Individual Protection Measures and Personal Protective Equipment**

<b>Eye/Face Protection</b>	No specific data available.
<b>Skin Protection</b>	No specific data available.
<b>Respiratory Protection</b>	Avoid breathing dusts. Wear respirator per ANSI/ASSE Z88.2-2015 "Practices for Respiratory Protection" standard.
<b>Hearing Protection</b>	No specific data available.
<b>Thermal Hazards</b>	No specific data available.

**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES AND SAFETY CHARACTERISTICS**

## 9.1 Physical/Chemical Properties

<b>Physical State</b>	Solid, flexible cellular structure
<b>Color</b>	White, off-white, or black
<b>Odor</b>	Nearly odorless
<b>Density or Relative Density</b>	0.02-0.20 (H <sub>2</sub> O = 1)
<b>Solubility</b>	Insoluble
<b>Auto-Ignition Temperature</b>	>350°C
<b>Melting Point/Freezing Point</b>	335-370°C (DTA decomposition)

9.2 Other Information No other information.

## SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Not reactive.
10.2 Chemical Stability	Product is stable at room temperature.
10.3 Possibility of Hazardous Reactions	None known.
10.4 Conditions to Avoid	Avoid sparks, flames, excessive heat.
10.5 Incompatible Materials	Strong oxidizing agents, strong acids, strong bases. Ultraviolet (UV) light.
10.6 Hazardous Decomposition Products	Polymerization will not occur.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Toxicological Health Hazards

<b>Acute Toxicity</b>	Some components of this product have produced both positive and negative findings from in vitro mutagenicity assays. No components are classified by IARC, ACGIH, NTP, or OSHA.
<b>Skin Corrosion/Irritation</b>	Heating may release irritation vapors.
<b>Serious Eye Damage/Irritation</b>	Heating may release irritation vapors.
<b>Respiratory or Skin Sensitization</b>	Health effects information is not available.
<b>Germ Cell Mutagenicity</b>	Health effects information is not available.
<b>Carcinogenicity</b>	Health effects information is not available.
<b>Reproductive Toxicity</b>	Health effects information is not available.
<b>STOT-Single Exposure</b>	Health effects information is not available.

<b>STOT-Repeated Exposure</b>	Health effects information is not available.
<b>Aspiration Hazard</b>	Health effects information is not available.
<b>11.2 Likely Routes of Exposure</b>	Health effects information is not available.
<b>11.3 Symptoms Related to Toxicological Characteristics</b>	Health effects information is not available.
<b>11.4 Delayed, Immediate, Chronic Effects of Short/Long Term Exposure</b>	Health effects information is not available.
<b>11.5 Numerical Measures of Toxicity</b>	Health effects information is not available.
<b>11.6 Interactive Effects</b>	Health effects information is not available.
<b>11.7 Where Specific Data Are Not Available</b>	Health effects information is not available.
<b>11.8 Mixtures</b>	Health effects information is not available.
<b>11.9 Mixture vs. Ingredient Information</b>	Health effects information is not available.

## SECTION 12: ECOLOGICAL INFORMATION

<b>12.1 Toxicity</b>	No specific data available.
<b>12.2 Persistence and Degradability</b>	No specific data available.
<b>12.3 Bioaccumulative Potential</b>	No specific data available.
<b>12.4 Mobility in Soil</b>	No specific data available.
<b>12.6 Other adverse effects</b>	No specific data available.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Disposal Methods

<b>Safety of Persons</b>	For the safety of persons conducting disposal, recycling, or reclamation activities, refer to information in section 8 (exposure controls and personal protection) of this SDS.
<b>Proper Disposal</b>	Dispose of product in accordance with local, regional, and national regulations. Consult with waste contractor.

## SECTION 14: TRANSPORT INFORMATION

## 14.1 UN Model Regulations

<b>UN Number</b>	Not listed; no action required.
<b>UN Proper Shipping Name</b>	Not regulated; no action required.
<b>Transport Hazard Class(es)</b>	Not listed; no action required.
<b>Packing Group</b>	Not listed; no action required.
<b>Environmental Hazards</b>	Information not available (N/A) or relevant.
<b>Special Precautions for User</b>	Information not available (N/A) or relevant.
<b>Transport in Bulk per Annex II of MARPOL 73/78 &amp; IBC Code</b>	Not listed; no action required.

## 14.2 Intermodal Shipment Declarations

<b>DOT FMCSA</b>	Not listed; no action required.
<b>ADR</b>	Not listed; no action required.
<b>IMO IMDG</b>	Not listed; no action required.
<b>IATA DGR</b>	Not listed; no action required.

## SECTION 15: REGULATORY INFORMATION

### 15.1 Safety, Health and Environmental Regulations

<b>TSCA 21st</b>	All components listed on the TSCA 8(b) inventory.
<b>AICS</b>	Not regulated; no action required.
<b>CEPA</b>	Not regulated; no action required.
<b>EINECS</b>	Not regulated; no action required.
<b>EPCRA §§301-303</b>	Not regulated; no action required.
<b>EPCRA §§311-312</b>	Not regulated; no action required.
<b>EPCRA §313</b>	Not regulated; no action required.
<b>CA Prop 65</b>	Not regulated; no action required.
<b>REACH</b>	Not regulated; no action required.
<b>WHMIS</b>	Not regulated; no action required.

## SECTION 16: OTHER INFORMATION

<b>16.1 Revision Date</b>	Tue 3-Oct-2017 15:03
<b>16.2 Revision Letter</b>	A
<b>16.3 Revision Notes</b>	A: Conversion to UN GHS 2017 SDS format
<b>16.4 Key/Legend Glossary of Terms Used</b>	DOT FMCSA: US Department of Transportation Federal Motor Carrier Safety Administration {49 CFR §390 et seq.} 2017 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road {UN ECE/TRANS/42 (Vol I)} 2015

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IMO IMDG: International Maritime Dangerous Goods Code {IMDG Code 2014 Edition (Amendment 37-14)} 2014

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IATA DGR: International Air Transport Association Dangerous Goods Regulations {2017 DGR Regular 58th ed. (En.)} 2017

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TSCA 21st: US Frank R. Lautenberg Chemical Safety for the 21st Century Act {15 USC §2601 et seq.} 2016

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AICS: Australian Inventory of Chemical Substances (AICS) {Industrial Chemicals (Notification and Assessment) Act C2013C00643} 1989

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CEPA: Canadian Environmental Protection Act {S.C. 1999, c. 33} 1999

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EINECS: European Inventory of Existing Commercial chemical Substances {Directive 67/548/EEC as amended by Directive 79/831/EEC per Commission Decision 81/437/EEC} 1990

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EPCRA §§301-303: US Emergency Planning and Community Right-to-Know Act; Emergency Response Plans {40 CFR §370} 1986

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EPCRA §§311-312: US Emergency Planning and Community Right-to-Know Act; Hazardous Chemical Inventory Reporting Requirements {40 CFR §370} 1986

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EPCRA §313: US Emergency Planning and Community Right-to-Know Act; Toxics Release Inventory {40 CFR §370} 1986

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REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals {Regulation (EC) No 1907/2006 amended by Commission Regulation (EU) 2017/999 and Commission Regulation (EU) 2017/1510} 2017

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WHMIS: Canada Workplace Hazardous Materials Information System {SOR/2015-17} 2015

## 16.5 SDS Compliance

GHS: UN Globally Harmonized System of Classification and Labelling of Chemicals (GHS) {United Nations Economic Commission for Europe (UNECE) ST/SG/AC.10/30/Rev.7} 2017

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OSHA: US Department of Labor Occupational Safety and Health Administration {Hazard Communication Standard (HCS) 29 CFR §1910.1200(g)} 2012

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REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals {Regulation (EC) No 1907/2006 amended by Commission Regulation (EU) 2017/999 and Commission Regulation (EU) 2017/1510} 2017

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WHMIS: Canada Workplace Hazardous Materials Information System {SOR/2015-17} 2015

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HMIS®: American Coatings Association<sup>SM</sup> (ACA) Hazardous Materials Identification System (HMIS®) {HMIS® Implementation Manual, Fourth Edition} 2017

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PICTOGRAM: United Nations Economic Commission for Europe (UNECE) Pictograms {URL: <https://www.unece.org/trans/danger/publi/ghs/pictograms.html>} 2017

## 16.6 Employer Responsibilities

Employers must ensure that Safety Data Sheets (SDS) for all hazardous chemicals in their workplace are readily accessible to Employees. SDS access and distribution should be considered for Consumers, Employees, former Employees, and Contractors. Employers should designate person(s) responsible for obtaining and maintaining SDS. If the Employer does not have an SDS, the Employer or designated person(s) should contact the Manufacturer to obtain a current version. Under the US OSHA Access to Employee Exposure and Medical Records standard {29 CFR §1910.1020}, Employers are required to keep a record of Employee exposure to hazardous materials at work. These "Employee exposure records" shall be retained 30+ years after their employment has ended.

## 16.7 SDS Distribution

Safety Data Sheets (SDS) must be distributed to direct Customers (distributors) at the time of first product shipment. When a SDS is updated, it must be sent with the next product shipment or within three (3) months of learning of "new or significant information". This SDS must be transmitted, stored, recovered, printed, rendered, and copied in its entirety (sections 1-16) and in full color to lawfully depict the branding, Hazard Pictograms, HMIS® ratings, and statements with emphasis.

## 16.8 Disclaimer

The information contained herein is considered the best available for compliance at the revision date. No warranty is expressed or implied regarding data accuracy. Use of this product is not within the control of the supplier; it is the user's obligation to determine the suitability of the product for its intended application and to assume all risk and liability for its safe use.

## 16.9 EMERGENCY

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**END OF SDS: FLEXIBLE POLYURETHANE FOAM**