

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Flexible Polyurethane Foam

Chemical family: Polyether urethane polymer
Synonyms: FPF, PUF, combustion modified, antistatic
high resiliency, slow recovery, combustion modified

Future Foam, Inc. P.O. Box 1017 Omaha, NE 68101-1017 712-323-9122

Emergency 800-424-9300 (CHEMTREC)

SECTION 2: COMPOSITION

CAS No.

Percent

Polyurethane

not established

100

This material is not classified as hazardous.

SECTION 3: HAZARDS IDENTIFICATION

Emergency Overview: Solid open-cellular foam. Not known to contain any hazardous materials. Dusts may cause irritation to eyes and respiratory tract. Dusts in the air may pose an explosive hazard. Combustible solid, once ignited will burn with rapid flame spread producing intense heat, dense smoke and toxic fumes (primarily oxides of carbon and nitrogen).

Potential Health Effects

Inhalation: Dusts may cause irritation to the respiratory tract. When heated to decomposition, fumes are toxic.

Ingestion: Essentially non-toxic.

Skin Contact: Rubbing may cause mechanical irritation. Skin absorption not expected

to be significant under normal use of product.

Eye Contact: Dusts may cause mechanical irritation.

SECTION 4: FIRST AID MEASURES

Skin: No special treatment required. May cause mechanical irritation. Vacuum or brush dusts from skin.

Eyes: May cause mechanical irritation. Open eyelids and hold back while flushing with water for at least 15 minutes. Seek medical attention.

Ingestion: No special treatment required.

Inhalation: Remove victim to fresh air. If victim has stopped breathing administer artificial respiration and seek immediate medical attention.

SECTION 5: FIRE FIGHTING MEASURES

Flash Point (°F): Not established

Flammable Limits (UEL/LEL): Not established Autoignition Temperature (°F): Not established

Extinguishing Media: Water, foam, dry chemical, carbon dioxide.

Special Fire Fighting Procedures: Fire fighters must wear NIOSH approved full-faced positive pressure self-contained breathing apparatus and bunker gear.

Unusual Fire and Explosive Hazards: Once ignited foam can burn with rapid flame spread producing intense heat and dense smoke and toxic gases (primarily oxides of carbon and nitrogen). Burning foam may melt into pools or droplets of burning liquid. Foam may smolder and reignite. Foam dusts can produce potentially explosive atmospheres.

Treat this material as a combustible solid.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Pick-up or sweep-up large pieces of material for recycling or disposal. Sweep or vacuum dusts for disposal avoiding generating static discharges.

Larger pieces of this material are recyclable. Material not collected for recycling is to be disposed of as non-hazardous waste according to local, state and federal regulations.

SECTION 7: HANDLING AND STORAGE

Storage areas should be protected by a sprinkler system meeting insurance, NFPA and/or local codes. Avoid elevated storage temperatures. Keep away from open flames, burning eigarettes, space heaters, naked lights, exposed wiring or other ignition sources. Urethane foam products are combustible and will burn rapidly, consuming oxygen and producing toxic gases (primarily oxides of carbon and nitrogen).

Maintain good housekeeping practices. Do not allow foam scrap or dust to accumulate in the workplace or in equipment.

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION

Engineering Controls: Local mechanical ventilation when hot-wire cutting, heat sealing, flame luminating or for processes where fitnes, smoke or dusts are generated.

Personal Protective Equipment (PPE):

Eye protection: Approved safety glasses/eye protection is recommended when processing material.

Skin protection: No special equipment required.

Respiratory protection: If fames, smoke or dusts are generated use NIOSH approved respiratory protective equipment.

General Hygiene Considerations:

There are no known health hazards associated with this material when used as designed. It is recommended employees wash thoroughly after handling the material. Wash before and after eating, smoking, drinking or using restroom facilities. Avoid breathing dusts.

Exposure Guidelines:

There are no specific exposure limits established for this product. Treat dusts as Particulates Not Otherwise Classified (PNOC):

ACGIH TLV 10 mg/M³ as inhalable fraction 3 mg/M³ as respirable fraction

OSHA PEL 50 mppcf or 15 mg/M³ as total dust 15 mppcf or 5 mg/M³ as respirable fraction

mppof = million particles per cubic foot (of air)

mg/M³ = milligrams of substance per cubic meter of air

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Flexible cellular solid. May be any color or shape.

Odor: Negligible

Vapor Pressure (mmHg): Not applicable

Boiling Point (°F): Not applicable

Density (lbs/ft*): 0.8 - 5.0

pH: Not established

Vapor Density (air = 1): Not applicable

Melting Point (°F): Not applicable Solubility in Water: Not applicable

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under ordinary conditions of use and storage.

Hazardous Decomposition Products: When heated to decomposition toxic gases (primarily

oxides of nitrogen and carbon) may be produced.

Hazardous Polymerization: Has not been reported.

Incompatibilities: Oxidizing agents.

Conditions to Avoid: Heat, flames, ignition sources and fluorine and fluorine/oxygen mixtures.

Fine dusts may pose dust explosion hazard.

SECTION 11: TOXICOLOGICAL INFORMATION

See Section 3 for Potential Health Effects.

Skin: Not considered a primary skin irritant. Eye: Not considered to be an eye irritant.

Ingestion: Acute oral LD₅₀ for an aqueous extract for rats was >15,000 mg/Kg.

SECTION 12: ECOLOGICAL INFORMATION

No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

This material is potentially recyclable.

If the product becomes a waste, it is not a hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Dispose of in accordance with all federal, state and local laws and regulations.

SECTION 14: TRANSPORT INFORMATION

This material is not hazardous as defined by 49 CFR 172.101 (US DOT).

Proper Shipping Name: Not applicable UN Identification Number: Not applicable

DOT Label(s) Required: Not applicable

Hazard Class Number: Not applicable Packing Group: Not applicable Emergency Response Guide: Not applicable

Marine Pollutant: Marine Pollutants regulations not applicable to this material. Transport Canada Transportation of Dangerous Goods Regulations: Not considered dangerous goods.

SECTION 15: REGULATORY INFORMATION

SARA:

302	304	CERCLA	<u>313</u>	RCRA	CAA
(TPQ)	(RO)	RO		code	112(r) TQ
no	no	no	no	none	no

Clean Air Act: The product does not contain any Class 1 or Class 2 Ozone depletors.

Clean Water Act: This product is not listed as a Hazardous Substance under the CWA. This product does not contain any chemicals listed as priority or toxic pollutants under the CWA.

SECTION 16: OTHER INFORMATION

This information is furnished in good faith, without warranty, expressed or implied, except that it is accurate to the best knowledge of Future Foam, Inc. The information contained in this document is related on the the specific material designated herein. Future Foam, Inc, assumes no liability for the accuracy or completeness of the information contained herein.

	SEC	TION 1 - PRODU	JCT IDENTIFICA	ATION		
Product name:	CARBO	N BLEND		prepared:	January 22	2002
Manufacturer:	23 Lond	ive Compounds, onderry Road, Underry, NH 03053	nit 15			
Information phone:	(603) 43	7-6221				
Chemical name:	Carbon	filled water based	coating			
	SECT	ION 2 – COMPO	SITION INFORM	MATION		
Ingredients	CAS#	%	ACGIH/TLV	OSHA/PEL	VP(mm H	g)
Ethylene Oxide- Propylene Oxide	9003-11	-6 <1	N/E	N/E	N/E	
Carbon	N/A	<35	N/E	N/E	N/E	
(M) 105 105 105 105 105 105 105 105 105 105	at and their heat ment than them spec	SECTION 3 - I	PHYSICAL DAT	A	- DOM SAN DOM DOM DOM SAN DAY SAN	
Boiling range: 193 - 396 F Evaporation rate: slower than n-butyl acetate Total Solids: <35% Appearance: black liquid Vapor density: heavier than air Liquid density: heavier than water Weight per gallon: 8 lbs.						
	SECTION	4 - FIRE AND E	EXPLOSION HA	ZARD DATA		
Flash point: LEL: UEL: Extinguishing media: Special firefighting productions of the company of t				approved breathin	g apparatus	
(a) " (a) " (a) " (a) " (a) " (a) " (a)		CTION 5 - HEA	LTH HAZARD I	DATA	* New York and New York and New York	
Eye contact - n	: ng term exp nay cause in long term e y cause nau	d cause irritation.	for dried material			
		nter and seals ma	digal attention		ł	4

Eye contact - flush with water and seek medical attention.

Skin contact - wash with soap and water. Ingestion - seek medical attention

Tall (10)	mag sur vice fige fig. Apr. Into the mac and and and and and and the into	SECTION 6 - REACTIVITY DATA
Hazardous polymerization: Incompatability: Conditions to avoid:		stable will not occur acidic conditions will cause precipitation oxides of carbon and possibly oxides of nitrogen
	SECI	ION 7 - SPILL OR LEAK PROCEDURES
Avoid breathin into an appropr	g vapors. Wear app iate container and s	ropriate protective equipment. Add dry absorbant and shovel or sweep eal. Dispose of according to local regulations.
**************************************	SECTION	8 - SPECIAL PROTECTION INFORMATION
Respiratory: Ventilation: Gloves: Eyes: Other:	local exhaust fro appropriate glov goggles	ted if product is being sprayed. m immediate work area es should be used to prevent skin irritation emergency shower, protective clothing
	Si	ECTION 9 - SPECIAL PRECAUTIONS
Do not allow n	naterial to freeze	
	SECTION	10 – OTHER REGULATORY INFORMATION
None		

			AV cardenillos			
n, job, jan, ma, jan, nas pas jan jan, am jan, jan jan yan dan jan han nas aya har fabi jah, 149-15	SEC	TION 1	- PRODU	ICT IDENTIFIC	ATION	
Product name:	RESIN I	BLED			prepared	l: January 22, 200
Manufacturer: Conductive Compounds, Inc. 23 Londonderry Road, Unit 15 Londonderry, NH 03053						
Information phone:	ne: (603) 437-6221					
Chemical name:	Water b	ased coa	ting			
	SECT	ION 2 –	СОМРО	SITION INFOR	MATION	2 MAI 240 242 MAI 240
Ingredients	CAS#		%	ACGIH/TLV	OSHA/PEL	VP(mm Hg)
Ethylene Oxide- Propylene Oxide	9003-11	-6	<1	N/E	N/E	N/E
1-Methyl-2-Pyrrolidinone (NMP)	000087	2-50-4	<4	N/E	N/E	N/E
Carbon	N/E		Trace	N/E	N/E	N/E
		SECT	ION 3 - I	HYSICAL DAT	'A	
Boiling range: Evaporation rate: Total Solids: Appearance: Vapor density: Liquid density: Weight per gallon:	193 - 39 slower t <45% Gray liq heavier heavier approx.	han n-bu uid than air than wat	atyl aceta	te		
S	ECTION	4 - FIR	E AND I	EXPLOSION HA	ZARD DATA	er had also the loss had bee that the had had bee and she had
Flash point: LEL: UEL: Extinguishing media: Special firefighting proce Unusual fire & explosion	dures: hazards:	full boo	0.000000	tive clothing and		Seedin seeding
		*		LTH HAZARD		
Effects of overexposure: Inhalation – long Eye contact - ma Skin contact – lo	g term exp y cause in	osure m	ay irritat	e respiratory trac		

Ingestion - may cause nausea, vomiting or diarrhea.

First Aid:

Inhalation - remove to fresh air.

Eye contact - flush with water and seek medical attention.

Skin contact - wash with spap and water.

Ingestion - seek medical attention

	gar igar van een wer wat der privi wet wet tij tij 190 MA AA, AA AA AA AA	SECTION 6 - REACTIVITY DATA
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100 100 100 100 100 100 100 100 100 100	SECT	ION 7 - SPILL OR LEAK PROCEDURES
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