



R-Value Foam Insulation, LLC

2800 East Vernon Road
Rosebush, MI 48878

Phone: 517.204.4747

Fax: 989.433.0300

info@rvaluefoam.com

MATERIAL SAFETY DATA SHEET

Spray Foam RVF-200 Resin

R-Value Foam Insulation, LLC
2800 East Vernon Road
Rosebush, MI 48878
(M) 517.204.4747

Original Date: 12/08/2010

Emergency Contact: 800.424.9300
CHEMTREC

SECTION 1 – PRODUCT INFORMATION

Common Chemical Name:	URETHANE SYSTEM RESIN COMPONENT
Synonyms:	NONE
Molecular Formula:	MIXTURE
Chemical Family:	Not Applicable
Molecular Wt.:	NOT ESTABLISHED

SECTION 2 - INGREDIENTS

<u>Chemical Name</u>	<u>CAS</u>	<u>Amount</u>
POLYOL	PROPRIETARY	> 95.0 %
PEL/TLV NOT ESTABLISHED		
SURFACTANT	PROPRIETARY	< 1.0 %
PEL/TLV NOT ESTABLISHED		
TERTIARY AMINE CATALYST	PROPRIETARY	< 2.0 %
PEL/TLV NOT ESTABLISHED		

SECTION 3 – HAZARDS IDENTIFICATION

Emergency Overview

Color:	Amber
Form/Appearance:	Liquid
Odor:	Amine

WARNING STATEMENT:

CAUTION: CONTACT WITH THE EYES AND SKIN MAY CAUSE IRRITATION. INHALATION MAY RESULT IN IRRITATION.

Potential Health Effects

Primary Route of Exposure:

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation.

Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

Contact with the eyes and skin may result in irritation.

Inhalation may result in respiratory irritation. Ingestion may result in gastric disturbances.

Acute Overexposure Effects:

Chronic Overexposure Effects:

There are no known chronic effects associated with this material.

First Aid Procedures – Aggravated Medical Conditions:

No data is available which addresses medical conditions that are generally recognized as being aggravated by exposure to this product. Please refer to the effects of overexposure section for effects (if any) observed in animals.

SECTION 4 – FIRST AID MEASURES

First Aid Procedures – Skin:

Wash affected areas with soap and water. Remove and launder contaminated clothing before reuse. Get immediate medical attention.

First Aid Procedures – Eyes:

Immediately rinse eyes with running water for 15 minutes. Get immediate medical attention.

First Aid Procedures – Ingestion:

If swallowed, dilute with water and immediately induce vomiting. Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate medical attention.

First Aid Procedures – Inhalation:

Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

First Aid Procedures – Notes to Physicians:

None known.

First Aid Procedures – Aggravated Medical Conditions:

No data is available which addresses medical conditions that are generally recognized as being aggravated by exposure to this product. Please refer to the effects of overexposure section for effects (if any) observed in animals.

First Aid Procedures – Special Precautions:

None

SECTION 5 – FIRE FIGHTING MEASURES

	<u>Typical Low/High</u>	<u>Deg.</u>	<u>Method</u>
<u>Flash Point:</u>	> 90	C	OPEN CUP
<u>Auto Ignition:</u>	NOT AVAILABLE		
<u>Extinguishing Media:</u>	Use water, dry extinguishing media, carbon dioxide (CO2) or foam.		
<u>Fire Fighting Procedures:</u>	Firefighters should be equipped with self-contained breathing apparatus and turnout gear.		
<u>Unusual Hazards:</u>	There are no known unusual fire or explosion hazards.		

SECTION 6 – ACCIDENTAL RELEASE MEASURES

General: Spills should be contained, solidified and placed in suitable containers for disposal at a licensed facility.

SECTION 7 – STORAGE AND HANDLING

General: Store in a ventilated storage area between 70^o-90^o F. Avoid excessive temperatures, low or high. Avoid moisture.

Other Storage and Handling Data: No other specific storage requirements.

SECTION 8 – PERSONAL PROTECTION

Clothing: Gloves, coveralls, apron, boots as necessary to prevent skin contact.

Eyes: Chemical goggles; also wear a face shield if splashing hazard exists.

Respiration: Approved organic vapor mist respirator as necessary.

Ventilation: Use local exhaust to control vapors/mists.
Explosion Proofing: None required.
Other Personal Protection Data: Avoid contact with skin as required by good normal hygiene practices.

SECTION 9 – PHYSICAL PROPERTIES

Color:	Amber	
Form/Appearance:	Liquid	
Odor:	Amine	
Odor Intensity:	Mild	
	Typical Low/High	U.O.M.
Specific Gravity:	NOT AVAILABLE	
Bulk Density:	9	LB/GAL
Viscosity:	700	CENTIPOISE @ 23 DEG.
pH:	NOT AVAILABLE	
	Typical Low/High	Deg. @Pressure
Boiling Pt:	NOT AVAILABLE	
Freezing Pt:	NOT AVAILABLE	
Decomp. Tmp:	NOT AVAILABLE	
Solubility in Water Description:	Slightly Soluble	
pH:	Basic	

SECTION 10 – STABILITY AND REACTIVITY

Stability Data:	Stable
Incompatibility:	Avoid moisture to protect product quality.
Conditions/Hazards to Avoid:	Exposure to moisture and temperatures > 80F.
Hazardous Decomposition/Polymerization:	Hazardous decomposition products: CO and CO2.
Corrosive Properties:	Not corrosive.
Oxidizer Properties:	Not an oxidizer
Other Reactivity Data:	None known.

SECTION 11 – TOXICOLOGICAL INFORMATION

No applicable data for this section.

SECTION 12 – ECOLOGICAL INFORMATION

No applicable data for this section.

SECTION 13 – DISPOSAL CONSIDERATION

Waste Disposal:	Incinerate in a licensed facility. Do not discharge into waterways or sewer systems.
Container Disposal:	Steel drums must be emptied (as defined by RCRA, Section 261.7 or state regulations that may be more stringent) and can be sent to a licensed drum reconditioner for reuse, a scrap metal dealer, or an approved landfill. Drums destined for a scrap dealer or landfill must be punctured or crushed to prevent reuse.

SECTION 14 – TRANSPORTATION INFORMATION

DOT Proper Shipping Name:	N/A
DOT Technical Name:	N/A
DOT Primary Hazard Class:	N/A

DOT Secondary Hazard Class: N/A
 DOT Label Required: N/A
 DOT Placard Required: N/A
 DOT Poison Constituent: N/A
PolyGreen Commodity Codes: UN/NA Code: E/R Guide:
 Bill of Lading Description: NOT REGULATED BY THE DEPARTMENT OF TRANSPORTATION

SECTION 15 – REGULATORY INFORMATION

TSCA Inventory Status

Listed on Inventory: YES
 RCRA Haz. Waste No .: N/A
 CERCLA: NO
 Reportable Qty.: (If YES)
 SARA TITLE III; SECTION 313: NOT LISTED
 THIS PRODUCT MAY CONTAIN ONE OR MORE CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER, BIRTH DEFECTS AND/OR OTHER REPRODUCTIVE HARM.

SECTION 16 – OTHER INFORMATION

<u>HMIS III rating</u>	<u>Health</u>	<u>Fire</u>	<u>Reactivity</u>	<u>Special</u>
	1	1	1	NA

R-Value Foam Insulation, LLC currently uses the National Paint & Coating Association (NPCA) rating system. The use of an asterisk (*) in the HMIS rating indicates the potential for chronic health effects. This product is hazardous or contains components which are hazardous according to the OSHA Hazard Communication Standard.

“IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, INFORMATION, DATA OR DESIGNS PROVIDED BE CONSIDERED A PART OF OUR TERMS AND CONDITIONS OF SALE. FURTHER, YOU EXPRESSLY UNDERSTAND AND AGREE THAT THE DESCRIPTIONS, DESIGNS, DATA, AND INFORMATION FURNISHED BY R-VALUE FOAM INSULATION, LLC HEREUNDER ARE GIVEN GRATIS AND R-VALUE FOAM INSULATION, LLC ASSUMES NO OBLIGATION OR LIABILITY FOR THE DESCRIPTION, DESIGNS, DATA AND INFORMATION GIVEN OR RESULTS OBTAINED, ALL SUCH BEING GIVEN AND ACCEPTED AT YOUR RISK”. R-VALUE FOAM INSULATION, LLC WILL NOT MAKE ITS PRODUCTS AVAILABLE TO CUSTOMERS FOR USE IN THE MANUFACTURE OF MEDICAL DEVICES WHICH ARE INTENDED FOR PERMANENT IMPLANTATION IN THE HUMAN BODY OR IN PERMANENT CONTACT WITH INTERNAL BODILY TISSUES OR FLUIDS. WE AT R-VALUE FOAM INSULATION, LLC TAKE PRIDE IN OUR PRODUCTS, AND OUR TRADITION OF DEVELOPING INNOVATIVE APPLICATIONS IN PARTNERSHIP WITH OUR CUSTOMERS. HOWEVER, THE POSSIBILITY OF BEING REQUIRED TO RESPOND TO UNFOUNDED LITIGATION AND/OR CLAIMS ARISING OUT OF CONCERNS RELATING TO SUCH USE PRESENTS AN UNACCEPTABLE RISK TO THE COMPANY.

END OF DATA SHEET