SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY ADDRESS:
11614 State Route 88
Garrettsville, OH 44231

EMERGENCY TELEPHONE NUMBERS:
(800) 424-9300 (CHEMTREC, transportation and spills)

CONTACT:
TEL (330) 527-3626
FAX (330) 527-3627

PRODUCT NAME : **2.0LB-XP SPRAY FOAM**
PRODUCT FORM : Mixture
PRODUCT USE : Spray Foam Insulation

SECTION 2 - HAZARDS IDENTIFICATION SUMMARY

(As defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200)

Classification:	Acute Toxicity Oral - Category 4	
	Serious Eye Damage - Category 2A	H319
	Specific Target Organ Toxicity - Category 2	H373

Pictograms:

Signal Word: Warning/Danger

Hazardous Statements - Health:
H302 - Harmful if swallowed.
H318 - Causes serious eye damage.
H315 - Causes skin irritation.

Precautionary Statements - General:
P101 - If medical advice is needed, have a product container or label at hand.
P102 - Keep out of reach of children.
P103 - Read label before use.

Precautionary Statements - Prevention:
P264 - Wash thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements - Response:
P301/P312 - IF SWALLOWED: Call a POISON CENTER/doctor.
P330 - Rinse mouth.

P305/P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor.
P302/P352 - IF ON SKIN: Wash with plenty of water.
P321 - Specific treatment (see section 4 on this SDS).
P332/P313 - If skin irritation occurs: Get medical advice/attention.
P362/P364 - Take off contaminated clothing. And wash it before reuse.

Precautionary Statements - Storage:
No precautionary statement available.

Precautionary Statements - Disposal:
P501 - Dispose of contents/ container to an approved waste disposal plant.

Exact toxicity of the mixture is unknown.

SECTION 3 - COMPOSITION, INFORMATION OF INGREDIENTS

COMPONENT	PERCENTAGE	CAS NUMBER
2-Propanol, 1-chloro-, phosphate	10.945	13674-84-5
1,1,1,3,3-Pentafluoropropane	7-11	460-73-1
Diethylene glycol	0.25-5.2021	111-46-6
Polyethylene glycol	<1.8085	25322-68-3
Glycerin	<1.4468	56-81-5
1,3,5-Triazine-1,3,5(2H,4H,6H)-tripropylamine,N,N,N',N",N",N"-hexamethyl-	1.4	15875-13-5
Bis(2-dimethylaminoethyl) ether	0.4893-0.699	3033-62-3
Octamethylcyclotetrasiloxane	0.0075-0.0375	556-67-2

SECTION 4 - FIRST AID MEASURES

First Aid responders should use protective equipment in Section 8 if there is a potential for exposure to the product.

IF SWALLOWED: Rinse mouth**.** Do not induce vomiting. Call a poison control center or doctor immediately.
IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin thoroughly with lukewarm water for 15-20 minutes. Obtain medical attention if irritation develops or persists.
IF IN EYES: Hold eye open and rinse slowly and gently with lukewarm water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing the eye. Call a poison control center or doctor for treatment advice.
IF INHALED: Move person to fresh air, if person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth. Call a poison control center or doctor for further treatment.

NOTE TO PHYSICIAN: No specific antidote, treat symptomatically.

Have a product container/ label with you when obtaining medical attention

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: -Not considered flammable but may burn at high temperatures.

EXTINGUISHABLE MEDIA:
-Dry chemical powder, carbon dioxide, water spray or fire suppressant foam.
-Sand or earth may be used for very small fires.

FIRE AND EXPLOSION HAZARD: -NOT considered flammable but will burn at high temperatures.

FIRE FIGHTING INSTRUCTIONS: -Evacuate area and fight fire upwind from a safe distance to avoid hazardous vapors and decomposition products. Isolate the hazard area and collect water used to fight fire to prevent environmental damage due to run off. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff.

FIRE FIGHTING EQUIPMENT:
-Self-contained breathing apparatus with full face and body ppe (Proper Protection Equipment).

HAZARDOUS COMBUSTION PRODUCTS:
-Carbon Oxides (CO, CO2). Nitrogen oxides. Hydrocarbons. Hydrogen chloride. Phosphorus oxide. Silicon oxides. Carbonyl halide. Hydrogen bromide. Formaldehyde. Fluorine compounds. Hydrogen Fluoride.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILLS OR LEAKS: Clean up spills immediately, observing precautions in Section 8 of this SDS. Isolate hazard area. Keep unnecessary and unprotected personnel from entering.

Waste Disposal: Do not discharge into waterways or sewer systems. Check with local regulations for proper disposal.

This material should be prevented from contaminating soil or from entering sewage and drainage systems and bodies of water. Minimize use of water to prevent environmental contamination.

SECTION 7 - HANDLING AND STORAGE

KEEP OUT OF REACH OF CHILDREN!

HANDLING: Use only in a well-ventilated area with good industrial hygiene and safety procedures.

ADDITIONAL HAZARDS WHEN PROCESSED: This product may contain light hydrocarbon material, which is associated with cardiac sensitization following very high exposures or with concurrent exposure to high stress levels or heart-stimulating substances like epinephrine and catecholamines. Careful consideration should be applied preceding administration of epinephrine or similar heart stimulating substances. This product is not an ozone depleting substance, however it does contain HFC-245fa which is a global warming gas, with a global warming potential of 950-1020.

STORAGE: Keep the container closed when not in use. Keep away from food, and drinking water. Store in a well ventilated dry place away from heat. Store between 60 to 80°F.

INCOMPATIBLE MATERIALS:
Strong acids, strong bases, strong oxidizers. Aluminum. Finely divided aluminum. Sodium. Potassium. Calcium. Magnesium. Zinc. Barium. Lithium. Halogens. Organic Acids. Alkalis. Isocyanates.

Wear proper safety equipment specified in Section 8 when spraying, loading or otherwise handling resin.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION

ENGINEERING CONTROLS: Proper ventilation is required when handling or using this product. Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

PERSONAL PROTECTIVE EQUIPMENT:
EYE PROTECTION - Safety goggles or glasses with side shields.
CLOTHING - Long-sleeved shirt and long pants, Chemical-resistant footwear plus socks.
GLOVES - Chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber.
RESPIRATOR – Not required when handled under normal conditions. When handling in enclosed areas with inadequate ventilation, use a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C).

USER SAFETY RECOMMENDATIONS:
1. Wash hands before eating, drinking, chewing gum, using tobacco/smoking.
2. Remove clothing immediately if pesticide gets inside. Wash thoroughly and put on clean clothing.
3. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Discard clothing and other absorbent materials that have been heavily contaminated with this product. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If there are no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Liquid Brownish Amber
Odor:	Slight amine-like odor
pH:	9-9.6
Melting Point:	NA
Boiling Point:	NA
Flash Point:	NA
Evaporation Rate:	NA
Flammability:	NA
Flammability Limits:	NA
Vapor Pressure:	NA
Vapor Density:	Heavier than air
Density:	NA
Solubility:	Soluble
Partition Coefficient:	NA
Auto-Ignition Temperature:	NA
Decomposition Temperature:	NA
Viscosity:	NA

All values are approximate and do not necessarily represent that of a specific batch. Values are industry standard.

SECTION 10 - STABILITY AND REACTIVITY

PRODUCT REACTIVITY: Reactions will not occur under normal conditions. Incompatible materials may occur with some acids.

CHEMICAL STABILITY: Stable under normal conditions.

HAZARDOUS POLYMERIZATION: Product will not undergo polymerization.

CONDITIONS TO AVOID: Direct sunlight/UV exposure. Extreme hot or cold temperatures.

INCOMPATIBLE MATERIALS: Strong mineral acids and strong alkalis.

HAZARDOUS DECOMPOSITION PRODUCTS: Highly unlikely under normal industrial use.

SECTION 11 - TOXICOLOGICAL INFORMATION

Skin Corrosion/Irritation-
Causes skin irritation
Serious Eye Damage/Irritation-
Causes serious eye damage
Respiratory/Skin Sensitization-
NA
Germ Cell Mutagenicity-
NA
Reproductive Toxicity-
NA
Organ Toxicity-
May cause damage to organs
Aspiration Hazard-
NA

Diethylene glycol (111-46-6)	
LD50 Oral Rat	1120 mg/kg
LD50 Dermal Rabbit	11890 mg/kg
LC50 Inhalation Rat	>4600 mg/m3 (Exposure time: 4H)
Polyethylene glycol (25322-68-3)	
LD50 Oral Rat	22 g/kg
Ld50 Dermal Rabbit	>20 g/kg
Glycerin (56-81-5)	
LD50 Oral Rat	23000 mg/kg
Ld50 Dermal Rabbit	>10 g/kg
LC50 Inhalation Rat	>570 mg/m3 (Exposure time: 1H)
Bis(2-dimethylaminoethyl) ether (3033-62-3)	
LD50 Oral Rat	910 mg/kg
Ld50 Dermal Rabbit	238 mg/kg
LC50 Inhalation Rat	0.938 mg/l/4H
LC50 Inhalation Rat	117ppm (Exposure time: 6H)
ATE (Dust/Mist)	1.50 mg/l/4H
1,3,5-Triazine-1,3,5(2H,4H,6H) N,N,N',N',N",N" -hexamethyl- (15875-13-5)	
LD50 Oral Rat	3250 ul/kg
LD50 Dermal Rabbit	2020 ul-kg
LC50 Inhalation Rat	1,100.00 mg/kg body weight
2-Propanol, 1-chloro-, phosphate (3:1) (13674-84-5	
LD50 Oral Rat	1500 mg/kg
LD50 Dermal Rabbit	>5000 mg/kg
LC50 Inhalation Rat	>5.05 mg/l/4H
Octamethylcyclotetrasiloxane (556-67-2)	
LD50 Oral Rat	1540 mg/kg
LD50 Dermal Rabbit	794ul/kg
LC50 Inhalation Rat	36 g/m3 (Exposure time: 4H)

SECTION 12 - ECOLOGICAL INFORMATION

ENVIRONMENTAL SUMMARY: This product is highly toxic to birds and aquatic animals. For terrestrial uses, do not apply directly to water, or to areas where surface water is present.

SECTION 13 - DISPOSAL CONSIDERATIONS

Referring to local government regulations, under RCRA, it is the responsibility of the user of the product, to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state, and local laws.

SECTION 14 - TRANSPORT INFORMATION

Technical Shipping Name:	Polymeric Blend, Synthetic resin
DOT Hazard Classification:	Non-hazardous, not regulated
Freight Class:	55
Product Label:	“B” Side Component
Placards Required:	NA
Packing Slip:	YES
Stackability:	Non-stackable

SECTION 15 - REGULATORY INFORMATION

Not required according to OSHA Hazard Communication Standard 29 CFR 1910.1200.

SECTION 16 - OTHER INFORMATION

DISCLAIMER: To the best of our knowledge, the information contained herein is intended to provide a guideline for the product in this MSDS. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. It should therefore not be construed as guaranteeing any specific property of the product. Final determination of suitability of any material is the sole responsibility of the user. GIT makes no warranty, express or implied, regarding the accuracy of the data or the results obtained from the use of this product. All materials may present unknown hazards and should be used with caution. Addition of replacements or other additives to this product may substantially alter the composition and hazards of the product.

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