

MATERIAL SAFETY DATA SHEET



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MSDS Ref. No: 205
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Revision No: New MSDS

Expanding Foam Sealant

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Expanding Foam Sealant

MANUFACTURER

Geocel Corporation
P.O. Box 398
Elkhart, IN 46514
Product Stewardship: (574)264-0645

24 HR. EMERGENCY TELEPHONE NUMBERS

Emergency Phone: (800)255-3924

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt. %</u>	<u>CAS#</u>	<u>EINECS#</u>
4,4 Diphenylemethanediisocyanate (MDI)	10 - 30	101-68-8	202-966-0
Polymeric MDI	10 - 30	9016-87-9	
Urethane Pre-polymer Blend	30 - 60		
Liquified Petroleum Gas	10 - 30		

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: Danger! Extremely Flammable. The product has strong adhesive-like characteristics and will adhere aggressively to skin and other surfaces.

POTENTIAL HEALTH EFFECTS

EYES: May be irritating to the eyes. Contact may cause physical damage due to adhesive character.

SKIN: May cause localized irritation, reddening or swelling. Prolonged or repeated exposure may lead to sensitization and/or dermatitis.

INGESTION: May cause irritation of mucous membranes in the mouth and digestive tract.

INHALATION: May irritate mucous membranes with tightness in chest, coughing or allergic asthma-like sensitivity. Extensive overexposure can lead to respiratory symptoms like bronchitis and pulmonary edema. These effects are usually reversible. Overexposure to liquified petroleum gas may cause lightheadedness, headaches or lethargy. Persons with cardiac arrhythmia may be at increased risk in severe exposure.

4. FIRST AID MEASURES

EYES: Flush with clean water for at least 15 minutes. Seek medical attention.

SKIN: Use a rag to remove excess adhesive from skin and remove contaminated clothing. Use of a solvent, such as acetone or mineral spirits, may help in removing uncured residue from clothing or other surfaces (avoid eye contact). Cured product may be physically removed by persistent washing with soap and water. If irritation develops, use mild skin cream. If irritation persists, obtain medical attention.

INGESTION: Do not induce vomiting. Drink 1-2 glasses of water or milk. Consult physician. Do not give anything orally to an unconscious person.

INHALATION: Move individual to fresh air. If breathing is difficult, administer oxygen. Seek medical attention.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: -104°C (-156°F)

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, halon 1211, chemical foam, or water spray if used in large quantities (water contamination will produce carbon dioxide.)

HAZARDOUS COMBUSTION PRODUCTS: Carbon monoxide, carbon dioxide, nitrogen oxides and traces of HCN or HCL may be formed.

EXPLOSION HAZARDS: Contents could be sensitive to mechanical impact or static discharge. Vapors released during and immediately after dispensing may ignite explosively if proper ventilation is not available and vapor build up is allowed to occur. Extinguish or remove all sources of ignition during dispensing, until product is tack free or develops a skin.

FIRE FIGHTING EQUIPMENT: Self-contained breathing apparatus and protective fire fighting clothing.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Provide adequate ventilation and wear the personal protective equipment designated in Section 8. Uncured product is very sticky so carefully remove the bulk of the adhesive by scraping it up and then immediately remove the residue with a rag and solvent such as acetone, mineral spirits, paint thinner etc. Once the product has cured, it can only be removed physically by scraping, buffing etc. Transfer product to appropriate containers for disposal in accordance with applicable regulations. Before disposing of containers, relieve container of any remaining foam and pressure. Allow product to fully cure before disposing.

LARGE SPILL: Provide adequate ventilation and wear the personal protective equipment designated in Section 8. Uncured product is very sticky so carefully remove the bulk of the adhesive by scraping it up and then immediately remove the residue with a rag and solvent such as acetone, mineral spirits, paint thinner etc. Once the product has cured, it can only be removed physically by scraping, buffing etc. Transfer product to appropriate containers for disposal in accordance with applicable regulations. Before disposing of containers, relieve container of any remaining foam and pressure. Allow product to fully cure before disposing.

7. HANDLING AND STORAGE

STORAGE: Store in a cool dry place. Ideal storage temperature is 60-80 degrees Fahrenheit. Storage above 90 degrees Fahrenheit will shorten the shelf life. Storage below 55 degrees Fahrenheit may affect foam quality if chemicals are not warmed before using. Protect containers from physical abuse. Protect unused product from freezing.

STORAGE TEMPERATURE: (120°F) maximum

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Wear safety glasses with side shields or goggles when handling this material.

SKIN: Chemical resistant protective gloves are recommended.

RESPIRATORY: Not required with adequate ventilation. If vapor levels are expected to exceed recommended guidelines, use NIOSH/MSHA approved, positive pressure, supplied air respirator.

PROTECTIVE CLOTHING: Long sleeve work clothes are recommended.

WORK HYGIENIC PRACTICES: Wash hands thoroughly after each use, especially before eating or smoking. Good personal hygiene practices should always be followed.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Slight fluorocarbon odor during curing.

APPEARANCE: Viscous liquid which foams upon release from container.

COLOR: Off-white to yellowish.

SPECIFIC GRAVITY: 1.1

(VOC) NOTES: This product contains less than 25% VOC content.

10. STABILITY AND REACTIVITY

STABLE: YES

INCOMPATIBLE MATERIALS: Alcohols, strong bases or amines and metal compounds (such as small particle metal catalysts).

11. TOXICOLOGICAL INFORMATION

EYE EFFECTS: May cause eye irritation.

SKIN EFFECTS: May cause skin irritation.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No ecological studies have been carried out on this product.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Part 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

OTHER SHIPPING INFORMATION: Generators must consult DOT laws and regulations to ensure the product is being transported appropriately.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: This product poses the following physical and health hazard(s) as defined in 40 CFR Part 370 and is subject to the requirements of sections 311 and 312 of Title III of the Superfund Amendments and Reauthorization Act of 1986:

FIRE: YES **PRESSURE GENERATING:** NO **REACTIVITY:** NO **ACUTE:** YES **CHRONIC:** NO

313 REPORTABLE INGREDIENTS: This product contains the following chemical(s) subject to reporting under SARA Title III Section 313:
MDI

CALIFORNIA PROPOSITION 65: This product does not contain any chemicals on California's Proposition 65 List.

16. OTHER INFORMATION

PREPARED BY: Cornerstone Environmental, Health & Safety, Inc.

REVISION SUMMARY New MSDS

HMIS RATING

HEALTH:		2
FLAMMABILITY:		4
PHYSICAL HAZARD:		1
PERSONAL PROTECTION:		B

NFPA CODES

