



ECORE International
715 Fountain Avenue
Lancaster, PA 17601
717-295-3400

MATERIAL SAFETY DATA SHEETS

E-Grip III Flooring Adhesive

PAGE: 1 of 2
DATE PREPARED: March 2011

SECTION I - PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

Manufacturer's Name:

ECORE International
715 Fountain Avenue
Lancaster, PA 17601

Emergency Phone Number:

Day: 717-295-3400
CHEMTREC: 800-424-9300
Information Phone Number 800-322-1923
24-Hour Emergency Assistance: 800-227-0332

CAS Number:

Not Established

Class / Chemical Family:

Isocyanate-based Adhesive

SECTION II - HAZARDOUS INGREDIENTS

	<u>% by Weight</u>	<u>CAS Resistry Number</u>
Methylene Bisphenyl Isocyanate	0.1 - 1	101-68-8
Polyisocyanate Pre-polymer		Trade Secret

SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS

Target solids: 100%	Physical State: Paste
Density: 1.65 g/cc	Freeze Protect: No
Odor: Mild	VOC's (Volatile Organic Compounds): 0%
Color: Gray	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point: 500°F (260°C)
Autoignition Point: N/Av
Dust Explosion Hazard: None Known

Extinguishing Media: Dry Chemical, carbon dioxide, foam or water spray

Fire & Explosion Hazards: Additional decomposition products include oxides of nitrogen, amines, hydrogen cyanide, and isocyanate-containing compounds

Fire Fighting Instructions: Firefighters should wear NFPA compliant structural fire fighting protective equipment, including a self-contained breathing apparatus, helmet, hood, boots and gloves. Avoid contact with isocyanates. During a fire, isocyanate vapors and other irritating and highly toxic gases may be produced.



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SECTION V CHEMICAL STABILITY and REACTIVITY DATA

Stability: This product is stable under normal conditions but will react with water to release some heat and carbon dioxide. The reaction is not violent.

Conditions to Avoid: Avoid strong acids, amines, strong bases, alcohols, and metallic hydrides.

Hazardous Polymerization: Can occur with elevated temperature or contact with water.

Hazardous reactions/decomposition products: Unknown due to the complex nature of this material. Fumes from complete or incomplete combustion may include carbon dioxide, carbon monoxide, oxides of nitrogen, amines, hydrogen cyanide, and isocyanate-containing compounds.

SECTION VI - HEALTH HAZARD DATA

Eyes: May cause eye irritation and/or temporary corneal injury -- upon contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention or advice.

Skin: Contact may cause irritation, itching, reddening, swelling, scaling, or blistering -- upon contact, wash immediately with soap and water. For severe exposure, use safety shower and begin rinsing.

Ingestion: This product can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. If ingested, get immediate medical attention. Do not induce vomiting unless instructed to do so by medical personnel.

Inhalation: This product may cause irritation to the respiratory system. Single large doses and/or repeated exposures may lead to sensitization to isocyanates and product asthma-like symptoms (headache, irritation of upper respiratory tract, asthmatic symptoms, chest tightness, breathing difficulty, coughing, sore throat, eye irritation, skin irritation, and/or diarrhea. Remove to fresh air; administer oxygen or artificial respiration as needed.

Hazard Statement: This product contains Methylene diphenyl isocyanate (MDI) which is a potential skin sensitizer and has been shown to alter cells in certain experiments. Although inconclusive, these cellular changes are thought to indicate potential carcinogenicity. Risk depends on duration and concentration of exposure.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING and STORAGE

Handling Precautions: Wear appropriate protective equipment to avoid contact with skin and eyes. Wash hands thoroughly after handling; do not breathe vapors, mists, or dust; use adequate ventilation and respiratory protection. This product can produce sensitization.

Storage Precautions: Store in a cool, dry, well-ventilated area away from heat, ignition sources, water, and direct sunlight. Cool location should be 60-80°F (15-30°C).

SECTION VIII - CONTROL MEASURES

Respiratory Protection: Avoid breathing vapor. If airborne concentrations are above acceptable limits, use NIOSH approved respiratory protection.

Special Ventilation: Use local exhaust or general ventilation.

Eye Protection: Safety glasses with side shields or goggles.

Skin Protection: Chemical-resistant gloves; Lab coat/other work clothing (launder before re-use)

Methylene bisphenyl isocyanate (MDI)

US ACGIH Threshold Limit Values: TWA: 0.05 mg/m³ (0.005 ppm)

US NIOSH Pocket Guide to Chemical Hazards: Ceiling Limit Value: 0.2 mg/m³ (0.020 ppm) [10 minutes]