

PRO CHEM, INC.

1475 BLUEGRASS LAKES PKWY.
ALPHARETTA, GA 30004
EMERGENCY/INFO # (800) 241-8180
ADDITIONAL EMERGENCY # INFO TRAC 1-800-535-5053

MATERIAL SAFETY DATA SHEET**MIGHTY GRIP / 2952****NOVEMBER 2011****PAGE 1**

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Complies With USDL Safety and Health Regulations, (29 CFR 1910.1200)

SECTION 1 – Chemical and Company Identification**COMMON IDENTIFICATION:** Urethane Adhesive**SECTION 2 – Composition on Ingredients**

COMPONENTS	CAS #	PERCENT %	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMMENDED
Polyurethane polymer	Trade Secret	60-90	n.e.	n.e.	
Polyisocyanate (MDI)	9016-87-9	35-55	0.20 mg/m ³	0.051 mg/m ³	
Butyl Benzyl Phthalate	85-68-7	1-5	n.e.	n.e.	

All ingredients are listed on the TSCA Inventory.

n.a.= not applicable / n.e.=not established

SECTION 3 – Hazards Information**PRIMARY ROUTES OF ENTRY:** none**EYE CONTACT:** May cause mild eye irritation. Symptoms include stinging, tearing and redness.**SKIN CONTACT:** May cause mild skin irritation. Symptoms include redness and burning. May cause delayed allergic reaction with symptoms including blistering, scaling, or other skin effects.**INHALATION:** Breathing vapor or mist is possible when material is sprayed.**INGESTION:** Swallowing small amounts of this material during its intended use is not likely to cause harmful effects. Ingestion of large amounts may be harmful.**CHRONIC EFFECTS:** Skin or respiratory sensitization.**CARCINOGENIC:** None known.**SECTION 4 – First Aid Measures****EYES:** Flush eyes with water for at least 20 minutes while holding eyelids open. Seek medical attention.**SKIN:** Remove contaminated clothing immediately, and wash affected area thoroughly with soap and warm water. Flush skin for at least 15 minutes. Seek medical attention if symptoms develop or persist.**INHALATION:** Move affected person to fresh air. Seek medical attention.**INGESTION:** Seek medical attention immediately. May cause severe gastrointestinal irritation such as nausea, vomiting and diarrhea. Physician, treat symptomatically.**SECTION 5 – Fire Fighting Measures****FLASH POINT:** >190°F**AUTOIGNITION TEMPERATURE:** n.e.**FLAMMABLE LIMITS % IN AIR:** LEL: n.e. UEL: n.e.**EXTINGUISHER MEDIA:** Carbon dioxide, dry powder or foam.**SPECIAL FIREFIGHTING PROCEDURES:** Down wind personnel should be evacuated. Fire fighters should wear full-face, self-contained breathing apparatus and impervious protective clothing. Fire fighters should avoid breathing vapors and combustion products.**UNUSUAL FIRE HAZARDS AND CONDITIONS TO AVOID:** Do not reseal containers; a chemical reaction generating carbon dioxide gas pressure may occur resulting in rupture of the container. Dense smoke is emitted when product is burned without sufficient oxygen. When using water spray, boil over may occur when product temperature reaches the boiling point of water, and the reaction forming carbon dioxide will accelerate.**SECTION 6 – Accidental Release Measures****STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:** Wear protective clothing and respiratory protection if necessary to maintain exposure below TLV during spill clean up. Absorb using inert material. Place absorbed material in suitable container for disposal. Residual MDI can be neutralized with a 90% water/5% ammonia/2% detergent solution. (Use 10 parts neutralizer per one part MDI.)**SECTION 7 – Handling and Storage****SAFE HANDLING AND STORAGE:** Store product in tightly closed containers in a well ventilated area at temperatures below 120°F. Avoid prolonged temperatures in excess of 160°F. Keep away from heat, ignition sources, alcohols, and amines, and other materials that react with diisocyanates.**OTHER PRECAUTIONS AND SPECIAL HAZARDOUS INFORMATION:** Keep out of reach of children.**SECTION 8 – Exposure Controls/Personal Protection****RESPIRATORY PROTECTION:** Must be used if concentration is above TLV.**PROTECTIVE GLOVES:** Use chemical resistant gloves.**EYE PROTECTION:** Use chemical goggles or full face shield with safety glasses.**VENTILATION TO BE USED:****LOCAL EXHAUST:** X**MECHANICAL:****SPECIFIC:****OTHER (specify):** If vapor or mist is generated during processing or use, localized ventilation should be provided to maintain exposure below TLV.**PROTECTIVE CLOTHING AND EQUIPMENT:** Wear working clothes and gloves to avoid skin irritation or sensitization.**HYGIENIC WORK PRACTICES:** An eyewash station and safety shower should be available in the work area. Contact lenses should not be worn when working with this product. Wash hands before eating, drinking, smoking or using toilet.**SECTION 9 – Physical and Chemical Properties****BOILING POINT:** 368°F**VAPOR DENSITY (Air=1):** n.e.**VAPOR PRESSURE:** 0.00001 mbar at 20°C**VOC #/GAL:** n.e.**DENSITY OF COATING:** n.e.**MELTING POINT:** n.a.**SPECIFIC GRAVITY (Water=1):** 1.09 g/cm³@20°C**EVAPORATION RATE:** n.e.**WATER REACTIVE:** Yes**SOLUBILITY IN WATER:** Soluble**APPEARANCE AND ODOR:** Dark brown liquid with slight odor.**SECTION 10 – Stability and Reactivity****STABILITY:** Stable**HAZARDOUS POLYMERIZATION:** May occur**CONDITIONS TO AVOID:** This product is stable under the recommended handling and storage conditions.**INCOMPATIBILITY:** Avoid amines and alcohols. Reacts with water forming heat, CO₂ and insoluble urea. CO₂ formation can build enough pressure to rupture closed container.**HAZARDOUS DECOMPOSITION PRODUCTS:** Isocyanate vapor and mist, carbon dioxide, carbon monoxide, nitrogen oxide and traces of HCN

THIS INFORMATION MUST BE ON ALL MSDS'S COPIED AND DISTRIBUTED FOR THIS MATERIAL.

NO WARRANTY IS EXPRESSED/IMPLIED REGARDING THE ACCURACY OF THIS DATA OR RESULTS OBTAINED FROM USE. PRO CHEM ASSUMES NO RESPONSIBILITY FOR PERSONAL INJURY OR PROPERTY DAMAGE TO USER. VENDEE/USER ASSUMES ALL RISKS ASSOCIATED WITH USE.

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SECTION 11 – Toxicological Information

COMPONENT	ORAL LD50	DERMAL LD50	INHALATION LC50
Polyurethane polymer	n.e.	n.e.	n.e.
Polyisocyanate (MDI)	n.e.	n.e.	n.e.
Butyl Benzyl Phthalate	n.e.	n.e.	n.e.

SECTION 12 – Ecological Information

No data available.

SECTION 13 – Disposal Consideration

WASTE DISPOSAL METHODS: Dispose of spilled material in accordance with federal, state, and local regulations in permitted hazardous waste management facility. Empty containers should handled with care due to product residue. Do not heat or cut empty containers with electric or gas torch.

SECTION 14 – Transport Information

From 49CFR172.101

Proper Shipping Name: Non-regulated material.

CERCLA RQ:

Polyisocyanate = 5000 lbs.

SECTION 15 – Regulatory Information**SECTION 313 SUPPLIER NOTIFICATION**

Detaching this notification from the Material Safety Data Sheet is prohibited by law and any copying or distribution of same requires this attachment be included.

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

CAS #	CHEMICAL NAME	% BY WEIGHT
9016-87-9	Polyisocyanate	45

This product contains the following materials that under California Proposition 65 of the Safe Drinking Water and Toxic Enforcement Act of 1986 are recognized to cause cancer or reproductive toxicity.

Material	CAS #	Concentration %	Cancer Agent	Reproductive Toxin	Cancer Agent & Reproductive Toxin
None					

SECTION 16 – Other Information

The information contained herein is based on the data available to us and is believed to be correct. However, Pro Chem, Inc. makes no warranty, expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their properties prior to use. Since conditions of use are beyond our control, all risks are assumed by the user.

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