



# SAFETY DATA SHEET

1. Product and Company Identification			
<b>PRODUCT NUMBER:</b>	2952	<b>COMPANY PHONE:</b>	1-800-241-8180
<b>PRODUCT NAME:</b>	MIGHTY GRIP	<b>EMERGENCY TELEPHONE:</b>	1-800-535-5053
<b>PRODUCT DESCRIPTION:</b>	High-Strength Polyurethane Adhesive	<b>INFOTRAC:</b>	1-800-535-5053
<b>COMPANY INFORMATION:</b>	<b>PRO CHEM, INC.</b> 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification				
<b>GHS CLASSIFICATION:</b> Respiratory Sensitization: Category 1 Skin Irritant: Category 2 Eye Irritant: Category 2A Skin Sensitization: Category 1 STOT SE: Category 3	<b>SIGNAL WORD:</b> <b>DANGER</b>	<b>SYMBOL:</b>		
<b>HAZARD-DETERMINING COMPONENTS OF LABELING:</b> Methylenediphenyl diisocyanate.				
<b>HAZARD STATEMENTS:</b> H315: Causes skin irritation. H319: Causes serious eye irritation. H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled. H317: May cause an allergic skin reaction. H335-H336: May cause respiratory irritation. May cause drowsiness or dizziness.				
<b>PRECAUTIONARY STATEMENTS:</b> <b>Prevention:</b> P261: Avoid breathing dust/fume/gas/mist/vapors/spray. P264: Wash face, hands and any exposed skin thoroughly after handling. P271: Use only outdoors or in a well-ventilated area. P272: Contaminated work clothing must not be allowed out of the workplace. P280: Wear protective gloves. P280: Wear eye protection/face protection. P284: In case of inadequate ventilation, wear respiratory protection. <b>Response:</b> P302+P352 IF ON SKIN: Wash with plenty of water. P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P304+P341 IF INHALED: If breathing is difficult, remove person to fresh air and keep comfortable for breathing. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312: Call a poison center/doctor if you feel unwell. P362+P364: Take off contaminated clothing and wash it before reuse. P332+P313: If skin irritation occurs: Get medical advice/attention. P333+P313: If skin irritation or rash occurs: Get medical advice/attention. P321: Specific treatment (see on this label). P337+P313: If eye irritation persists: Get medical advice/attention. P342+P311: If experiencing respiratory symptoms: Call a poison center/doctor. P363: Wash contaminated clothing before reuse. <b>Storage:</b> P403+P233: Store in a well-ventilated place. Keep container tightly closed. P405: Store locked up. <b>Disposal:</b> P501: Dispose of contents/container in accordance with local/regional/national/international regulations.				

3. Composition / Information on Ingredients			
Chemical Name	CAS	Concentration % by Weight	
Methylenediphenyl diisocyanate	26447-40-5	1 – 4%	Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317; STOT SE 3, H335

#### 4. First Aid Measures

##### EMERGENCY OVERVIEW

**EYES:** Rinse opened eye for several minutes under running water.

**SKIN:** Immediately wash with water and soap and rinse thoroughly.

##### INHALATION:

Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation. Supply fresh air; consult doctor in case of complaints.

##### INGESTION:

If symptoms persist, consult doctor.

##### MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

No further relevant information available.

##### INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:

No further relevant information available.

#### 5. Fire-Fighting Measures

##### SUITABLE FIRE EXTINGUISHING MEDIA:

CO<sub>2</sub>, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

##### SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

No further relevant information available.

##### SPECIFIC FIRE-FIGHTING METHODS:

Use firefighting measures that suit the environment.

##### SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

Wear self-contained respiratory protective device. Wear fully protective suit.

#### 6. Accidental Release Measures

##### PERSONAL PRECAUTIONS:

Ensure adequate ventilation. Wear protective clothing.

##### ENVIRONMENTAL PRECAUTIONS:

Do not allow to enter sewers/ surface or ground water.

##### METHODS & MATERIALS FOR CONTAINMENT & CLEANUP:

Dispose contaminated material as waste according to Section 13. Dispose of the collected material according to regulations.

##### REFERENCE TO OTHER SECTIONS

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

#### 7. Handling and Storage

##### SAFE HANDLING:

**Precautions for Safe Handling:** Ensure good ventilation/exhaustion at the workplace. Prevent formation of dust.

**Information About Protection Against Explosions and Fires:** No special measures required.

##### SAFE STORAGE & INCOMPATIBILITIES:

**Requirements to be Met by Storerooms and Receptacles:** No special requirements.

**Information About Storage in One Common Storage Facility:** Not required.

**Further Information About Storage Conditions:** None.

##### SPECIFIC END USE:

No further relevant information available.

#### 8. Exposure Controls / Personal Protection

**ADDITIONAL INFORMATION ABOUT DESIGN OF TECHNICAL SYSTEMS:** No further data; see section 7.

##### CONTROL PARAMETERS:

**Components with limit values that require monitoring at the workplace:** The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional Information:** The lists that were valid during the creation were used as basis.

##### PERSONAL PROTECTIVE EQUIPMENT:



**Eye/Face Protection:** Not required.

**Skin Protection: Body Protection:** Protective work clothing. Protective gloves. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application. Nitrile rubber, NBR. **Penetration Time of Glove Material:** The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Respiratory Protection:** In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

**General Hygiene Considerations:** Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.

9. Physical & Chemical Properties			
<b>Form:</b>	Liquid.	<b>Flammability(solid/gas):</b>	Not determined.
<b>Color:</b>	Amber colored.	<b>Explosive Limit-Lower (%):</b>	Not determined.
<b>Odor:</b>	Characteristic.	<b>Explosive Limit-Upper (%):</b>	Not determined.
<b>Odor Threshold:</b>	Not determined.	<b>Vapor Density:</b>	Not applicable.
<b>pH:</b>	Not applicable.	<b>Vapor Pressure:</b>	Not applicable.
<b>Melting Point/Range:</b>	Undetermined.	<b>Relative Density:</b>	Not determined.
<b>Boiling Point/Range:</b>	Undetermined.	<b>Solubility (water):</b>	Insoluble.
<b>Flash Point:</b>	200°C (392°F).	<b>Auto-Ignition Temp:</b>	Product is not self-igniting.
<b>Evaporation Rate:</b>	Not applicable.	<b>Decomposition Temp:</b>	Not determined.
<b>Viscosity – Kinematic:</b>	Not applicable.	<b>Partition Coeff(n-octanol/water):</b>	Not determined.
<b>Viscosity – Dynamic at 20°C (68°F):</b>	7,000 mPas.	<b>Solids Content:</b>	100.0%
<b>Density at 20°C (68°F):</b>	~ 1.1 g/cm <sup>3</sup> (~ 9.1795 lbs/gal).	<b>Danger of Explosion:</b>	Product does not present an explosion hazard.
<b>VOC Content:</b>	0.00% 0.0 g/l / 0.00 lb/gal.		

10. Stability & Reactivity Information	
<b>REACTIVITY:</b>	No further relevant information available.
<b>CHEMICAL STABILITY:</b>	Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
<b>POSSIBILITY OF HAZARDOUS REACTIONS:</b>	No dangerous reactions known.
<b>CONDITIONS TO AVOID:</b>	No further relevant information available.
<b>INCOMPATIBLE MATERIALS:</b>	No further relevant information available.
<b>HAZARDOUS DECOMPOSITION PRODUCTS:</b>	No dangerous decomposition products known.

11. Toxicological Information	
<b>PRIMARY ROUTE OF ENTRY:</b>	<b>Eyes:</b> No irritating effect. <b>Skin:</b> No irritant effect.
<b>ACUTE TOXICITY:</b>	Methylenediphenyl diisocyanate - 26447-40-5
<b>Components</b>	<b>Test Results</b>
<b>Acute</b>	
<i>Inhalation</i>	4 h 1.5 mg/l (ATE)
LC50	
<b>RESPIRATORY SENSITIZATION:</b>	Sensitization possible through inhalation.
<b>SKIN SENSITIZATION:</b>	Sensitization possible through skin contact.
<b>CARCINOGENICITY:</b>	<b>IARC (International Agency for Research on Cancer):</b> None of the ingredients is listed. <b>NTP (National Toxicology Program):</b> None of the ingredients is listed. <b>OSHA-Ca (Occupational Safety &amp; Health Administration):</b> None of the ingredients is listed.
<b>ADDITIONAL TOXICOLOGICAL INFORMATION:</b>	The product shows the following dangers according to internally approved calculation methods for preparations: Harmful Irritant

12. Ecological Information	
<b>TOXICITY:</b>	
<b>AQUATIC TOXICITY:</b>	No further relevant information available.
<b>PERSISTENCE AND DEGRADABILITY:</b>	No further relevant information available.
<b>BIOACCUMULATIVE POTENTIAL:</b>	No further relevant information available.
<b>MOBILITY IN SOIL:</b>	No further relevant information available.
<b>ADDITIONAL ECOLOGICAL INFORMATION:</b>	<b>Water hazard class 1 (Self-assessment):</b> Slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
<b>RESULTS OF PBT AND VPVB ASSESSMENT</b>	<b>PBT:</b> Not applicable. <b>vPvB:</b> Not applicable.
<b>OTHER ADVERSE EFFECTS:</b>	No further relevant information available.

### 13. Disposal Consideration

#### DISPOSAL INSTRUCTIONS:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

#### CONTAMINATED PACKAGING:

Disposal must be made according to official regulations.

### 14. Transportation Information

**DOT:** UN Number: Not regulated.  
UN Proper Shipping Name: Not regulated.  
Transport Hazard Class(es): Not regulated.  
Packing Group: Not regulated.  
Environmental Hazards:  
Marine Pollutant: No.  
Special Precautions for User: Not applicable.

**IATA:** UN Number: Not regulated.  
UN Proper Shipping Name: Not regulated.  
Transport Hazard Class(es): Not regulated.  
Packing Group: Not regulated.  
Environmental Hazards:  
Marine Pollutant: No.  
Special Precautions For User: Not applicable.

**IMDG:** UN Number: Not regulated.  
UN Proper Shipping Name: Not regulated.  
Transport Hazard Class(es): Not regulated.  
Packing Group: Not regulated.  
Environmental Hazards:  
Marine Pollutant: No.  
Special Precautions For User: Not applicable.

**ADN:** UN Number: Not regulated.  
UN Proper Shipping Name: Not regulated.  
Transport Hazard Class(es): Not regulated.  
Environmental Hazards:  
Marine Pollutant: No.  
Special Precautions For User: Not applicable.

#### TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE:

Not applicable.

#### UN "MODEL REGULATION":

Not regulated.

### 15. Regulatory Information

#### US FEDERAL REGULATIONS:

**SECTION 355 (EXTREMELY HAZARDOUS SUBSTANCES):** None of the ingredients is listed.

**SECTION 313 (SPECIFIC TOXIC CHEMICAL LISTINGS):** None of the ingredients is listed.

**TSCA (TOXIC SUBSTANCES CONTROL ACT):** All ingredients are listed.

#### PROPOSITION 65:

**Chemicals known to cause cancer:** None of the ingredients is listed.

**CHEMICALS KNOWN TO CAUSE REPRODUCTIVE TOXICITY FOR FEMALES:** None of the ingredients is listed.

**CHEMICALS KNOWN TO CAUSE REPRODUCTIVE TOXICITY FOR MALES:** None of the ingredients is listed.

**CHEMICALS KNOWN TO CAUSE DEVELOPMENTAL TOXICITY:** None of the ingredients is listed.

#### CARCINOGENIC CATEGORIES

**EPA (ENVIRONMENTAL PROTECTION AGENCY):** None of the ingredients is listed.

**TLV (Threshold Limit Value established by ACGIH):** None of the ingredients is listed.

**NIOSH-Ca (National Institute for Occupational Safety and Health):** None of the ingredients is listed.

#### CHEMICAL SAFETY ASSESSMENT:

A Chemical Safety Assessment has not been carried out.

### 16. Other Information

#### ABBREVIATIONS AND ACRONYMS:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

TLV: Threshold Limit Value  
PEL: Permissible Exposure Limit  
REL: Recommended Exposure Limit  
Acute Tox. 4: Acute toxicity – Category 4  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A  
Resp. Sens. 1: Respiratory sensitisation – Category 1  
Skin Sens. 1: Skin sensitisation – Category 1  
Carc. 2: Carcinogenicity – Category 2  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

**DISCLAIMER:**

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.