




SAFETY DATA SHEET

1. Product and Company Identification

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

2. Hazards Identification

GHS CLASSIFICATION: Skin Irrit: Category 2; H315: Causes skin irritation. Eye Irrit: Category 2A; H319: Causes serious eye irritation. Skin Sens: Category 1B; H317: May cause an allergic skin reaction. STOT SE: Category 3; H335: May cause respiratory irritation.	SIGNAL WORD: WARNING	SYMBOL:	
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HAZARD STATEMENTS:
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H317: May cause an allergic skin reaction.
H335: May cause respiratory irritation.

PRECAUTIONARY STATEMENTS:
P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
P280: Wear protective gloves.
P280: Wear eye protection/face protection.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304+P340: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312: Call a poison center/doctor if you feel unwell.
P363: Wash contaminated clothing before reuse.
P333+P313: If skin irritation or rash occurs: Get medical advice/attention.
P337+P313: If eye irritation persists: Get medical advice/attention.

Storage:
P405: Store locked up.
P403+P233: Store in a well-ventilated place. Keep container tightly closed.

Disposal: P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

HAZARDS NOT OTHERWISE SPECIFIED:
Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

3. Composition / Information on Ingredients

CHEMICAL NAME	CAS	CONCENTRATION % by WEIGHT
Methylenediphenyl diisocyanate	26447-40-5	1-5

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:
CO2, 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. See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment.

ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS:

Do not allow to enter sewers/surface or ground water. Dispose contaminated material as waste according to Section 13. Dispose of the collected material according to regulations.

7. Handling and Storage

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 USES:

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:

26447-40-5 methylenediphenyl diisocyanate

PEL Short-term value: 0.02 mg/m³

TLV Short-term value: 0.05 mg/m³

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

PERSONAL PROTECTIVE EQUIPMENT:



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

RESPIRATORY: 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.

SKIN: 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 cannot be calculated in advance and has therefore to be checked prior to the application. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. Protective work clothing.

EYE: Not required.

9. Physical & Chemical Properties

Appearance:		Flammability(solid/gas):	Not determined.
Physical State:	Liquid.	Danger of Explosion:	Product does not present an explosion hazard.
Color:	Amber colored.	Explosion Limits-lower:	Not determined.
Odor:	Characteristic.	Explosion Limits-upper:	Not determined.
Odor Threshold:	Not determined.	Vapor Density:	Not applicable.
pH:	Not applicable.	Vapor Pressure:	Not applicable.
Melting Point/Range:	Undetermined.	Relative Density:	Not determined.
Boiling Point/Range:	Undetermined.	Solubility (water):	Insoluble.
Organic Solvents:	0.0%	Auto-ignition Temperature:	Product is not self-igniting.
Solids Content:	100%	Decomposition Temperature:	Not determined.
Flash Point:	200°C (392°F)	Viscosity (kinematic):	Not applicable.
Density @20°C(68°F):	1.1 g/cm ³ (9.18 lbs/gal)	Viscosity (dynamic @ 20°C, 68°F):	7000 mPas
Evaporation Rate:	Not applicable.	Partition Coeff (n-octanol/water):	Not determined.

10. Stability & Reactivity Information

CHEMICAL STABILITY:

Thermal decomposition/conditions to be avoided: No decomposition if used according to specifications.

POSSIBILITY OF HAZARDOUS REACTIONS:

No dangerous reactions known.

INCOMPATIBLE MATERIALS:

No further relevant information available.

CONDITIONS TO AVOID:

No further relevant information available.

HAZARDOUS DECOMPOSITION PRODUCTS:

No dangerous decomposition products known.

11. Toxicological Information

ACUTE TOXICITY:

LD/LC50 values that are relevant for classification:

26447-40-5 methylenediphenyl diisocyanate

Inhalative LC50/4 h 1.5 mg/l (ATE)

PRIMARY IRRITANT EFFECT:

On the skin: No irritant effect.

On the eye: No irritating effect.

Sensitization: Sensitization possible through inhalation. Sensitization possible through skin contact.

ADDITIONAL TOXICOLOGICAL INFORMATION:

The product shows the following dangers according to internally approved calculation methods for preparations: Harmful. Irritant

CARCINOGENIC CATEGORIES:

IARC (International Agency for Research on Cancer): None of the ingredients is listed.

NTP (National Toxicology Program): None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients is listed.

12. Ecological Information

TOXICITY:

Aquatic toxicity: No further relevant information available.

PERSISTENCE AND DEGRADABILITY:

No further relevant information available.

BEHAVIOR IN ENVIRONMENTAL SYSTEMS:

Bioaccumulative potential: No further relevant information available.

MOBILITY IN SOIL:

No further relevant information available.

ADDITIONAL ECOLOGICAL INFORMATION:

Water hazard class 1 (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, watercourse, or sewage system.

RESULTS OF PBT & vPvB ASSESSMENT:

PBT: Not applicable.

vPvB: Not applicable.

OTHER ADVERSE EFFECTS:

No further relevant information available.

13. Disposal Consideration

WASTE TREATMENT METHODS:

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

UNCLEAN PACKAGING:

Disposal must be made according to official regulations.

14. Transportation Information

UN-NUMBER:

DOT, ADN, IMDG, IATA: Not regulated.

UN PROPER SHIPPING NAME:

DOT, ADN, IMDG, IATA: Not regulated.

TRANSPORT HAZARD CLASS(es):

DOT, ADN, IMDG, IATA:

Class: Not regulated.

PACKING GROUP:

DOT, IMDG, IATA: 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.

15. Regulatory Information

SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE SARA

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.

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)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
Skin Sens. 1B: Sensitization - Skin, Hazard Category 1B
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
N/A = Not Applicable
N/D = Not Determined
* Data compared to the previous version altered.

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.