


SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2487	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	PC 454	EMERGENCY TELEPHONE:	1-800-535-5053
PRODUCT DESCRIPTION:	Surface Insensitive Instant Super Glue Gel	INFOTRAC:	1-800-535-5053
COMPANY INFORMATION:	PRO CHEM, INC. 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

2. Hazards Identification

GHS CLASSIFICATION: Skin Irritant: Category 2 Eye Irritant: Category 2A Skin Sensitization: Category 1 STOT SE: Category 3 Flammable Liquid: Category 4	SIGNAL WORD: WARNING	SYMBOL:		
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HAZARD-DETERMINING COMPONENTS OF LABELING:

ethyl 2-cyanoacrylate
Poly Glycol Methacrylate

HAZARD STATEMENTS:

H227: Combustible liquid.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H317: May cause an allergic skin reaction.
H335: May cause respiratory irritation.

PRECAUTIONARY STATEMENTS:

Prevention: P210: Keep away from flames and hot surfaces. No smoking.
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/protective clothing/eye protection/face protection.
P280: Wear protective gloves.
P280: Wear eye protection/face protection.

Response: P304+P340: IF INHALED: 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.
P321: Specific treatment (see on this label).
P337+P313: If eye irritation persists: Get medical advice/attention.
P363: Wash contaminated clothing before reuse.
P370+P378: IN CASE OF FIRE: Use for extinction: CO₂, powder or water spray.
Storage: P403+P233: Store in a well-ventilated place. Keep container tightly closed.
P235: Keep cool.
P405: Store locked up.

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

SUPPLEMENTAL INFORMATION: Cyanacrylate. DANGER. Glues skin and eyelids within seconds. Should be kept out of children's reach.

3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight	
Ethyl 2-cyanoacrylate	7085-85-0	90 – 100%	Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335; Flam. Liq. 4, H227
Poly Glycol Methacrylate	26915-72-0	≤ 1%	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. If symptoms persist, consult a doctor.

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

INHALATION:

In case of unconsciousness, place patient stably in side position for transportation. Supply fresh air; consult doctor in case of complaints.

INGESTION:

Call a doctor immediately.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

Breathing difficulty.

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.

UNSUITABLE FIRE EXTINGUISHING MEDIA:

Water with full jet.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:

Nitrogen oxides (NO_x).

SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

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

6. Accidental Release Measures

ENVIRONMENTAL PRECAUTIONS:

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

METHODS & MATERIALS FOR CONTAINMENT & CLEANUP:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Allow to solidify. Pick up mechanically. Ensure adequate ventilation. Dispose of the collected material according to regulations.

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. See Section 13 for disposal information.

7. Handling and Storage

SAFE HANDLING:

Store in cool, dry place in tightly closed receptacles. Keep away from heat and direct sunlight. Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.

INFORMATION ABOUT PROTECTION AGAINST EXPLOSIONS AND FIRES:

No special measures required.

SAFE STORAGE & INCOMPATIBILITIES:

Requirements to be met by storerooms and receptacles: Store in a cool location. Store only in the original receptacle.

Information about storage in one common storage facility: Store away from oxidizing agents.

Further information about storage conditions: Keep receptacle tightly sealed.

SPECIFIC END USE(S):

No further relevant information available.

8. Exposure Controls / Personal Protection

PERSONAL PROTECTIVE EQUIPMENT:

CONTROL PARAMETERS:

Components with limit values that require monitoring at the workplace:

The following constituent is the only constituent of the product which has a PEL, TLV or other recommended exposure limit. At this time, the remaining constituent has no known exposure limits.

7085-85-0 ethyl 2-cyanoacrylate

TLV: Short-term value: 5.1 mg/m³, 1 ppm

Long-term value: 1 mg/m³, 0.2 ppm

DSEN, RSEN

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



Eye/Face Protection: Tightly sealed goggles.

Skin 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.

Material of Gloves: 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.

Not Suitable are Gloves Made of the Following Materials: PVC gloves.

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. Not necessary if room is well-ventilated.

General Protective and Hygienic Measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

9. Physical & Chemical Properties			
Form:	Liquid.	Flammability(solid/gas):	Not applicable.
Color:	Clear.	Explosive Limit-Lower (%):	Not determined.
Odor:	Characteristic.	Explosive Limit-Upper (%):	Not determined.
Odor Threshold:	Not determined.	Vapor Density:	Not determined.
pH:	Not determined.	Vapor Pressure:	Not determined.
Melting Point/Range:	Undetermined.	Relative Density:	Not determined.
Boiling Point/Range:	≥ 60°C (≥ 140°F).	Solubility (water):	Not miscible or difficult to mix.
Viscosity Kinematic:	Not determined.	Auto-Ignition Temp:	Product is not self igniting.
Viscosity Dynamic at 20°C (68°F):	11,000 mPas.	Solids Content:	6.0%.
Flash Point:	87°C (188.6°F).	Decomposition Temp:	Not determined.
VOC Content:	0.00% ~ 0.0 g/l / ~ 0.00 lb/gal.	Partition Coeff(n-octanol/water):	Not determined.
Evaporation Rate:	Not determined.	Danger of Explosion:	Not determined.
Density at 20°C (68°F):	~ 1.05 g/cm ³ (~ 8.76225 lbs/gal).		

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

11. Toxicological Information	
PRIMARY ROUTE OF ENTRY:	Eyes: Irritating effect. Skin: Irritant to skin and mucous membranes. Sensitization possible through skin contact.
CARCINOGENICITY:	IARC (International Agency for Research on Cancer): 123-31-9 1,4-dihydroxybenzene NTP (National Toxicology Program): None of the ingredients is listed. OSHA-Ca (Occupational Safety & Health Administration): None of the ingredients is listed.
ADDITIONAL TOXICOLOGICAL INFORMATION:	The product shows the following dangers according to internally approved calculation methods for preparations: Irritant

12. Ecological Information	
ECOTOXICITY:	Aquatic Toxicity: No further relevant information available.
PERSISTENCE AND DEGRADABILITY:	No further relevant information available.
BIOACCUMULATIVE POTENTIAL:	No further relevant information available.
MOBILITY IN SOIL:	No further relevant information available.
ADDITIONAL ECOLOGICAL INFORMATION:	General Notes: Not hazardous for water. Results of PBT and vPvB Assessment: PBT: Not applicable. vPvB: Not applicable.
OTHER ADVERSE EFFECTS:	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: NA1993 UN Proper Shipping Name: COMBUSTIBLE LIQUID, N.O.S. Transport Hazard Class(es): Not regulated. Packing Group: III Special Precautions for User: Not applicable. Packaging Exceptions: On passenger aircraft/rail: 60 L On cargo aircraft only: 220 L Packaging Non-Bulk: None. Packaging Bulk: Not applicable.

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

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

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:

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

Section 355 (Extremely hazardous substances):

79-11-8 chloroacetic acid
123-31-9 1,4-dihydroxybenzene

Section 313 (Specific toxic chemical listings):

79-11-8 chloroacetic acid
123-31-9 1,4-dihydroxybenzene

TSCA (Toxic Substances Control Act): All ingredients are listed.

TSCA new (21st Century Act) (Substances not listed): 26915-72-0 Poly Glycol Methacrylate

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):

109-63-7 diethyl ether--boron trifluoride

TLV (Threshold Limit Value Established by ACGIH):

79-11-8 chloroacetic acid
123-31-9 1,4-dihydroxybenzene

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

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.