




SAFETY DATA SHEET

1. Product and Company Identification

PRODUCT NUMBER:	2487	COMPANY PHONE:	1-800-241-8180
PRODUCT NAME:	PC 454	EMERGENCY TELEPHONE:	1-800-241-8180
PRODUCT DESCRIPTION:	Surface Insensitive Instant Super Glue	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 Eye Irrit: Category 2A Skin Sens: Category 1 STOT SE: Category 3 Flam Liq: Category 4	SIGNAL WORD: WARNING	SYMBOL:	
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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:

- P210: Keep away from flames and hot surfaces. No smoking.
- P261: Avoid breathing dust/fume/gas/mist/vapors/spray.
- P280: Wear protective gloves/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 person to fresh air and keep 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.

Storage:

- P405: Store locked up.
- P403+P233: Store in a well-ventilated place. Keep container tightly closed.
- P235: Keep cool.

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		% by WT
ethyl 2-cyanoacrylate	7085-85-0	Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335; Flam. Liq. 4, H227	90-100
Poly glycol methacrylate	26915-72-0	Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317; STOT SE 3, H335	≤1.00

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

PERSONAL PRECAUTIONS:

Ensure adequate ventilation. Wear protective clothing.

ENVIRONMENTAL PRECAUTIONS AND CLEAN-UP METHODS:

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

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:

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. No special measures required for protection against explosions and fires.

SAFE STORAGE & INCOMPATIBILITIES:

Store in a cool location. Store only in the original receptacle. Store away from oxidizing agents. Keep receptacle tightly sealed. No further relevant information available.

8. Exposure Controls / Personal Protection

CONTROL PARAMETERS:

Components with limit values that require monitoring at the workplace:

7085-85-0 ethyl 2-cyanoacrylate

TLV Long-term value: 1 mg/m³, 0.2 ppm

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. Avoid contact with the eyes and skin.

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. Not necessary if room is well ventilated.

SKIN: 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 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. **Not suitable are gloves made of the following materials:** PVC gloves.

EYE: Tightly sealed goggles.

9. Physical & Chemical Properties

Appearance:		Flammability(solid/gas):	Not applicable.
Physical State:	Liquid.	Danger of Explosion:	Not determined.
Color:	Clear.	Explosion Limits-upper:	Not determined.
Odor:	Characteristic.	Explosion Limits-lower:	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:	150°C (302°F)	Solubility (water):	Not miscible or difficult to mix.
Organic Solvents:	0.0%	Auto-Ignition Temperature:	Product is not self-igniting.
Solids Content:	95.0%	Decomposition Temperature:	Not determined.
Flash Point:	87°C (189°F)	Viscosity (kinematic):	Not determined.
Density @ 20°C (68°F):	1.05 g/cm ³ (8.762 lbs/gal)	Viscosity (dynamic @20°C):	11000 mPas
Evaporation Rate:	Not determined.	Partition Coeff(n-octanol/water):	Not determined.

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.

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:

Primary irritant effect:

on the skin: Irritant to skin and mucous membranes.

on the eye: Irritating effect.

Sensitization: No sensitizing effects known.

ADDITIONAL TOXICOLOGICAL INFORMATION:

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

CARCINOGENIC CATEGORIES:

IARC (International Agency for Research on Cancer)

123-31-9 1,4-dihydroxybenzene 3

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:

Generally 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

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: NA1993

ADN, IMDG, IATA: Not regulated.

UN PROPER SHIPPING NAME

DOT: COMBUSTIBLE LIQUID, N.O.S

ADN, IMDG, IATA: Not regulated.

TRANSPORT HAZARD CLASS(es)

DOT, ADN, IMDG, IATA:

Class: Not regulated.

PACKING GROUP

DOT: III

IMDG, IATA: Not regulated.

ENVIRONMENTAL HAZARDS:

Marine pollutant: No.

SPECIAL PRECAUTIONS FOR USER:

Not applicable.

TRANSPORT IN BULK ACCORDING TO Annex II of MARPOL73/78 and the IBC Code:

Not applicable.

TRANSPORT/ADDITIONAL INFORMATION:

DOT:

Quantity limitations: On passenger aircraft/rail: 60 L

On cargo aircraft only: 220 L

UN "MODEL REGULATION":

Not regulated.

15. Regulatory Information

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.

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 I (oral)

TLV (Threshold Limit Value established by ACGIH)		
79-11-8	chloroacetic acid	A4
123-31-9	1,4-dihydroxybenzene	A3
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)
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 Flam. Liq. 4: Flammable liquids, Hazard Category 4
 Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
 Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
 Skin Sens. 1: Sensitisation - Skin, Hazard Category 1
 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.**

NFPA	Health Hazards: 1	Flammability: 2	Instability: 0	Physical & Chemical Properties:
HMIS	Health Hazards: 1	Flammability: 2	Physical hazards: 0	Personal protection:

DISCLAIMER:
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