ITW Permatex
10 Columbus Blvd.
Hartford, CT 06106 USA
Telephone: 1-87-Permatex
(877) 376-2839
Emergency: 800-255-3924 (ChemTel)
International Emergency: 00+ 1+ 813-248-0585

Material Safety Data Sheet

1. PRODUCT IDENTIFICATION

Product Name: **SUPER GLUE GEL 2 GR**
Item No: **82191**
Product Type: **Cyanoacrylate ester**

2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	ACGIH; TLV-TWA	OSHA PEL
ETHYL-2-CYANOACRYLATE 7085-85-0	>70	0.2 ppm	Not listed
POLY (METHYL METHACRYLATE) 9011-14-7	<25	Not listed	Not listed
SILICON DIOXIDE, AMORPHOUS 112945-52-5	<5	5 mg/m^3, TWA	Not listed
1,4-DIHYDROXYBENZENE 123-31-9	<1	1 mg/m^3	2 mg/m^3

3. HAZARDS IDENTIFICATION

Toxicity: Skin contact may cause burns. Bonds skin rapidly and strongly. Causes eye irritation. Irritates mucous membranes. Note: This product does not contain microcyrstalline silica.

Primary Routes of Entry: Eye and skin contact, ingestion, inhalation

Signs and Symptoms of Exposure: Vapor is irritating to eyes and mucous membranes above TLV. Prolonged and repeated overexposure to vapors may produce symptoms of non-allergic asthma in sensitive individuals. Repeated skin contact may cause allergic skin reactions.

Component	Weight%	NTP	ACGIH Carcinogens	IARC Carcinogen
POLY (METHYL METHACRYLATE) 9011-14-7	<25			Group 3 Vol. 19, pg 187; 1979
SILICON DIOXIDE, AMORPHOUS 112945-52-5	<5			Amorphous Silica, Group 3: Vol. 68: 1997
1,4-DIHYDROXYBENZENE 123-31-9	<1	male rat-some evidence; female rat-some evidence; male mice-no evidence; female mice-some evidence	A3 - Animal Carcinogen	Group 3; Monograph 71, 1999; Supplement 7, 1987; Monograph 15, 1977

Aggravated Medical Condition: None known.

4. FIRST AID MEASURES

Ingestion: Ingestion is not likely. The adhesive solidifies and adheres in the mouth. If lips are accidentally stuck together, apply lots of warm water to the lips and encourage maximum wetting and pressure from saliva inside the mouth. Peel or roll lips apart. Do not try to pull the lips with direct opposing action. Saliva will lift the adhesive in one half to two days.

Inhalation: Move to fresh air in case of accidental inhalation of vapours. Oxygen or artificial respiration if needed. Obtain medical attention.

Skin Contact: Remove excess adhesive. Soak in warm, soapy water. The adhesive will come loose from the skin in several hours. Cured adhesive does not present a health hazard even when bonded to the skin. For skin adhesion, first immerse the bonded surfaces in warm, soapy water. Peel or roll the surfaces apart with the aid of a blunt edge, e.g., spatula or teaspoon handle; then remove adhesive from the skin with soap and water. Do not try to pull surfaces apart with a direct opposing action. Cyanoacrylates give off heat on solidification. In rare cases, a large drop will increase in temperature enough to cause a burn. Burns should be treated normally after the lump of cyanoacrylate is released from the tissue as described above.

4. FIRST AID MEASURES

Eye Contact: In the event that eyelids are stuck together or bonded to the eyeball, wash thoroughly with warm water and apply a gauze patch. The eye will open without further action, typically in 1-4 days. There will be no residual damage. Do not try to open the eyes by manipulation. If cyanoacrylate is introduced into the eyes, it will attach to the eye protein and will disassociate from it over intermittent periods, generally several hours. This will cause periods of weeping until clearance is achieved. During this period, double vision may be experienced together with a lachrymatory effect, and it is important to understand the cause and realize that disassociation will normally occur within a matter of hours, even with gross contamination.

5. FIRE FIGHTING MEASURES

Flash Point °F(C°): 185°F TCC
Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.
Special Fire-Fighting Procedures: Firefighters should wear self-contained breathing apparatus.
Hazardous Products of Combustion: Oxides of carbon, Irritating vapors
Unusual Fire/Explosion Hazards: May polymerize exothermically.

Lower Explosive Limit: n/d
Upper Explosive Limit: n/d

6. ACCIDENTAL RELEASE MEASURES

Spill Procedures: Flood with water to polymerize. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal.

7. HANDLING AND STORAGE

Storage: Store away from water or moisture. Store at temperatures not exceeding 25°C.
Handling: Avoid contact with skin and eyes. Avoid contact with clothing. Do not inhale vapors. Keep container closed when not in use. Wash hands before eating and smoking.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses.
Skin: Neoprene or nitrile gloves recommended. Do not wear protective clothes containing cotton.
Ventilation: General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product.
Respiratory Protection: An approved organic vapor respirator should be worn when exposures are expected to exceed the applicable limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: gel
Odor: Irritating
Boiling Point: 365°F
pH: Does not apply
Solubility in Water: Polymerized
Specific Gravity: 1.05
VOC(Wt.%): <20 g/l (California SCAQMD Method 316B)
Vapor Pressure: 1 mm Hg @ 20°C
Vapor Density (Air=1): Nil
Evaporation Rate: Nil

10. STABILITY AND REACTIVITY

Chemical Stability: Stable at normal conditions
Hazardous Polymerization: May occur Hazardous polymerization may occur if over-catalyzed or insufficiently aerated after catalyzation. This polymerization is exothermic
Incompatabilities: Polymerized by contact with water, alcohols, amines or alkalies.
Conditions to Avoid: Avoid contact with clothes, fabrics, rags or tissue. Contact with these material may cause polymerization
Hazardous Products of Combustion: Oxides of carbon, Irritating vapors

11. TOXICOLOGICAL INFORMATION

See Section 3

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended Method of Disposal: Disposal should be made in accordance with federal, state and local regulations.
US EPA Waste Number: NH - Not a RCRA Hazardous Waste Material

14. TRANSPORTATION INFORMATION

DOT (49CFR 172)

U.S. Department of Transportation - DOT - 49 CFR (Ground)

DOT Shipping Name: Not regulated
Hazard Class: None
UN/ID Number: None

IATA (Air)

Proper Shipping Name: Not regulated
Class or Division: None
UN/ID Number: None

IMDG (Vessel)

Proper Shipping Name: Not regulated
Hazard Class: None
UN Number: None

Marine Pollutant: None

15. REGULATORY INFORMATION

SARA 313 Chemicals: The following component(s) is listed as a SARA Section 313 Toxic Chemical.

NONE

California Proposition 65: No California Prop 65 chemicals are known to be present

TSCA Inventory Status: All components of this product are listed (or exempt) on the EPA TSCA inventory.

16. OTHER INFORMATION

Estimated NFPA Rating: HEALTH 2, FLAMMABILITY 2 , REACTIVITY 1.
Estimated HMIS Classification: HEALTH 2, FLAMMABILITY 2, PHYSICAL HAZARD 0
(NFPA is a registered trademark of the National Fire Protection Association)
(HMIS is a registered trademark of the National Paint and Coatings Association)

Prepared By: Denise Boyd, Manager-Environmental, Health & Safety
Company: ITW Permatex 10 Columbus Blvd. Hartford, CT USA 06106
Telephone No.: 1-87-Permatex (877) 376-2839

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