ND Industries, Inc.

HMIS

HEALTH	2
FIRE	2
REACTIVITY	2
PPE	C

310100 (314) Instant Superglue

Manufacturer MSDS Number: ND2188

SECTION 1 : Chemical Product and Company Identification

MSDS Name: 310100 (314) Instant Superglue
Manufacturer Name:ND Industries, Inc.
Address:
1893 BARRETT ROAD
TROY, MICHIGAN 48084

Business Phone:(248) 288-0000
Business Fax: (248) 288-0022
For information in North America, call: (248) 288-0000
For emergencies in the US, call CHEMTREC: 800-424-9300
Manufacturer MSDS Revision Date:
8/4/05
Supersedes: 6/7/02
Supersedes: 11/13/98

HMIS
Health Hazard: 2
Fire Hazard: 2
Reactivity: 2
Personal Protection: C
PREPARED BY: Chemical Safety

RECOMMENDED NFPA/HMIS RATING:
Note: Ratings may differ according to application, environment, and physical state.

Product Codes:

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SECTION 2 : Hazardous Ingredients/Identity Information

Chemical Name	CAS#	Percent	
Ethyl cyanoacrylate	7085-85-0	95-100%	

OSHA PEL TWA: Not established
ACGIH TLV TWA: Not established

Chemical Name	CAS#	Percent	
Poly (methyl Methacrylate)	9011-14-7	5-10%	

OSHA PEL TWA: Not established
ACGIH TLV TWA: Not established

Chemical Name	CAS#	Percent	
Hydroquinone	123-31-9	.1-.5%	

OSHA PEL TWA: Not established
ACGIH TLV TWA: Not established

All ingredients are listed on the TSCA Inventory.

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SECTION 3 : Physical And Chemical Characteristics

Physical State/Appearance:
Clear liquid

Odor:
Sharp irritating odor.

Vapor Pressure:

< 0.2 mmHg @ 75 deg F

Vapor Density:
Air = 1: Approx. 3.0

Boiling Point:
> 300 deg F

Melting Point:
Not applicable

Solubility:
IN WATER: No, polymerized by water

Specific Gravity:
Water = 1: 1.06

Evaporation Point:
Not applicable

Volatile Organic Compound Content:
VOC ##/gal.: 0.1669

FlashPoint:
185 deg F

Auto Ignition Temp:
Not determined

Upper Flammable Explosive Limit:
% IN AIR: Not applicable

Lower Flammable Explosive Limit:
% IN AIR: Not applicable

WATER REACTIVE: Yes, polymerization

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SECTION 4 : Fire And Explosion Hazards

Flash Point:
185 deg F

Flash Point Method:
T.C.C.

Upper Flammable or Explosive Limit: % IN AIR: Not applicable

Lower Flammable or Explosive Limit: % IN AIR: Not applicable

Auto Ignition Temperature: Not determined

Extinguishing Media:
Carbon dioxide, dry chemical or foam

Fire Fighting Instructions:
Wear a NIOSH approved self-contained breathing apparatus operated in pressure-demand or positive pressure when fighting fires.

Unusual Fire Hazards:
CONDITIONS TO AVOID: Possible exothermic reaction leading to substrate ignition and fume generation. Basic materials such as water or cloth can cause an uncontrollable exothermic reaction.

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SECTION 5 : Health Hazards

Applies to All Ingredients:

Route of Exposure:
INHALATION, INGESTION, SKIN ABSORPTION

Potential Health Effects:

Eye Contact:
Can cause irritation of the eyes. Can bond eyelids together.

Skin Contact:
Can cause irritation, bonding and drying of the skin.

Inhalation:
Vapor may be mildly irritating.

Ingestion:
Relatively unlikely since material will solidify and adhere to the mouth.

Chronic Health Effects:
Not determined

Carcinogenicity:
Not listed.

Ethyl cyanoacrylate:
Skin Effects:
Dermal LD50: Not determined

Ingestion Effects:
Oral LD50: Not determined

Inhalation Effects:
Inhalation LC50: Not determined

Poly (methyl Methacrylate):
Skin Effects:
Dermal LD50: Not determined

Ingestion Effects:
Oral LD50: Not determined

Inhalation Effects:
Inhalation LC50: Not determined

Hydroquinone:
Skin Effects:
Dermal LD50: Not determined

Ingestion Effects:
Oral LD50: Not determined

Inhalation Effects:
Inhalation LC50: Not determined

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SECTION 6 : Emergency And First Aid Procedures

Eye Contact:
Wash thoroughly with warm water and apply gauze patch. Get medical attention. The eye will open without further action, typically in 1 to 4 days. DO NOT try to open the eyes by physical manipulation. Adhesion to eye proteins will disassociate over several hours. This will cause periods of weeping. Seek medical attention.

Skin Contact:
Immerse bonded surface in warm soapy water. Peel or roll surface apart with the aid of a blunt instrument. Remove the adhesive from skin with warm, soapy water. DO NOT try to pull bonded surface apart as you may rip or tear your skin. Seek medical attention

Inhalation:
This vapor is relatively harmless. Remove victim to fresh air. Seek medical attention

Ingestion:
Saliva will lift the material in approximately one half to 2 days. In case a lump forms in the mouth, position the patient to prevent ingestion of the lump when it detaches thus preventing choking. Seek medical attention.

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SECTION 7 : Reactivity Data

Chemical Stability:
Stable

Conditions to Avoid:
Direct sunlight, moisture, and heat.

Incompatibilities with Other Materials:
Polymerized by contact with water, alcohols, amines, alkalies, cotton or wool.

Reactivity:

WATER REACTIVE: Yes, polymerization

Hazardous Polymerization:

May occur

Hazardous Decomposition Products:

None

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SECTION 8 : Precautions For Safe Handling

Spill Cleanup Measures:

Flood with water to polymerize material. Soak up with absorbent material.

Other Precautions:

SPECIAL HAZARDOUS INFORMATION: Avoid contact with skin and eyes. Avoid breathing vapors.

Storage:

Store at or below 75 deg F to maximize shelf life.

Hygiene Practices:

Always wash after using material.

Waste Disposal:

Collect polymerized material and dispose of according to local, state and federal regulations.

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SECTION 9 : Control Measures

Other Exhaust Information:

(Specify): Positive down-draft exhaust ventilation should be provided to maintain vapor concentration below TLV

Hand Protection Description:

PROTECTIVE GLOVES: Polyethylene gloves, DO NOT use cotton.

Eye/Face Protection:

Vapors are highly irritating to eyes vapor proof goggles should be worn.

Protective Clothing/Body Protection:

Polyethylene apron.

Respiratory Protection:

Vapors are highly irritating to throat a respirator that protects against organic vapors should be worn at all times when handling, also work only in well ventilated areas.

HYGIENIC WORK PRACTICES: Always wash after using material.

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SECTION 10 : Other Information

Applies to All Ingredients:

TSCA 8(b): Inventory Status

All ingredients are listed on the TSCA Inventory.

State:

This product contains the following materials that under California Proposition 65 of the Safe Drinking Water and Toxic Enforcement Act of 1986 are recognized to cause cancer or reproductive toxicity.

Hydroquinone:

Section 313 Toxic Release Form:

SECTION 313 SUPPLIER NOTIFICATION:
Detaching this notification from the Material Safety Data Sheet is prohibited by law and any copying or distribution of same requires this attachment be included.

This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

CHEMICAL NAME: Hydroquinone
CAS ##: 123-31-9

% BY WEIGHT: .1-0.5

HMIS:

Health Hazard: 2

Fire Hazard: 2

Reactivity: 2

Personal Protection: C

MSDS Revision Date:

8/4/05
Supersedes: 6/7/02
Supersedes: 11/13/98

MSDS Author:

PREPARED BY: Chemical Safety

Disclaimer:

The information contained herein is based on the data available to us and is believed to be correct. However, ND Industries®, Inc. makes no warranty, expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for their properties prior to use. Since conditions of use are beyond our control, all risks are assumed by the user.

Abbreviations:

n.a. = Not applicable
n.e. = Not established

RECOMMENDED NFPA/HMIS RATING:
Note: Ratings may differ according to application, environment, and physical state.