

POLYBOND
NSI-178


Xi : Irritant

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Trade name : POLYBOND
Identification of the product : Liquid.
Type of product : Adhesive
Use : For professional use only.
Company identification : NAIL SYSTEMS INTERNATIONAL
 2 Union Hill Road
 W. Conshohocken, PA 19428 UNITED STATES
 Tel. (610) 825-1524
Emergency phone nr : Infotrac (800) 535-5053 - Outside USA (352) 323-3500

2 HAZARDS IDENTIFICATION

Risk Phrases : R36/37/38 : Irritating to eyes, respiratory system and skin.
Primary route of exposure : Skin and eyes contact.
 Inhalation.
Symptoms relating to use
 - **Inhalation** : May cause irritation to the respiratory tract and to other mucous membranes.
 - **Skin contact** : Bonds skin instantly. May produce skin irritation.
 May cause sensitization.
 - **Eye contact** : May cause eye irritation.
 - **Ingestion** : Substance may be harmful if swallowed.
 Not a likely route of entry.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Components : This product is hazardous.

Substance name	Contents	CAS No	EC No	Annex No	Classification
ETHYL CYANOACRYLATE	> 90 < 100	7085-85-0	230-391-5	607-236-00-9	Xi; R36/37/38

4 FIRST AID MEASURES

First aid measures
 - **Inhalation** : Remove victim to fresh air.
 If not breathing, give artificial respiration or give oxygen by trained personnel. If signs or symptoms persist, seek medical attention.
 - **Skin contact** : Seek medical attention if ill effect or irritation develops.
 Immediately remove product from skin with cloth. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse.
 - **Eye contact** : Do not attempt to pull apart bonded eyelid. Seek medical attention immediately.
 In case of eye contact, immediately rinse with clean water for 10-15 minutes.



SAFETY DATA SHEET

Page : 2

Revised edition no : 2

Date : 9 / 7 / 2010

Supersedes : 10 / 8 / 2008

POLYBOND

NSI-178

4 FIRST AID MEASURES (continued)

- Ingestion** : Do not induce vomiting.
Saliva will cause cyanoacrylate to polymerize. Call a physician.
If lips are bonded together, use warm water to gently separate lips apart.
- Note to physician** : Cured product does not pose a health risk.

5 FIRE-FIGHTING MEASURES

- Flammable class** : Combustible. Flash point 85 deg C (185 deg F). Closed Cup.
- Hazardous combustion products** : Combustible liquid and vapor.
Under fire conditions, hazardous fumes will be present.
- Extinguishing media** : Use dry chemical powder, water spray or foam. Do not use water jet.
- Special procedures** : As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/ OSHA approved or equivalent) and full protective gear.

6 ACCIDENTAL RELEASE MEASURES

- Special precautions** : Wear appropriate personal protective equipment.
- Technical measures** : Disposal of clean up materials may be governmentally regulated. Observe all applicable local, state and federal waste management regulations.
- Environmental precautions** : Prevent entry to sewers and public waters. or other environmental mediums.
- Clean up methods** : Small Spill: Absorb with an inert material and place in an appropriate waste disposal container.
Large Spill: Extinguish all sources of ignition. Stop spill or leak at source. Absorb with an inert material and place in an appropriate waste disposal container.

7 HANDLING AND STORAGE

- Precautions in handling and storage** : Keep away from sources of ignition.
Good ventilation of the workplace required.
- Technical protective measures** : Rapid polymerization occurs upon contact with water or alkaline substances. As a result, heat is generated. Skin inflammation or burns may occur upon contact during this polymerization.
- Storage** : Store in dry, cool, well-ventilated area.
Keep away from sources of ignition.
Contains moisture sensitive material. Close container tightly after use.
- Handling** : To avoid fire, minimize ignition sources. Avoid contact with eyes, skin, and clothing. In case of insufficient ventilation, wear suitable respiratory equipment. May react in presence of moisture. May react or be incompatible with alkalies. Wash thoroughly after handling.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

- Personal protection**
- Respiratory protection** : In case of insufficient ventilation, wear suitable respiratory equipment.
 - Skin protection** : Wear gloves.
 - Eye protection** : Safety glasses.
Use splash goggles when eye contact due to splashing is possible.
- Industrial hygiene** : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

POLYBOND

NSI-178

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Transparent Liquid.
Physical state at 20 °C : Liquid.
Relative density, liquid (water=1) : 1.05
Viscosity at 20°C [mPa.s] : 20
Flash point [°C] : Closed Cup 85

10 STABILITY AND REACTIVITY

Stability and reactivity : Water will cause polymerization
Hazardous decomposition products : Carbon oxides. Aldehydes. Methyl Methacrylate
Nitrogen oxides.
Hazardous polymerization : Yes
Heat generated during polymerization.
Materials to avoid : Amines.
Acids.
Alcohol.
Alkali.
Reducing agents.
Water. Oxidizing agent.
Conditions to avoid : Exposure to light, water or Moisture.

11 TOXICOLOGICAL INFORMATION

Rat oral LD50 [mg/kg] : > 5000
Rabbit dermal LD50 [mg/kg] : > 2000
- Other : Irritation: Continuous high volume usage can irritate mucous membranes and the upper respiratory tract.
Sensitization: May cause sensitization.

12 ECOLOGICAL INFORMATION

Ecological effects information : No data available.

13 DISPOSAL CONSIDERATIONS

Disposal method : Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your licensed waste contractor for detailed recommendations.

14 TRANSPORT INFORMATION

- DOT Proper shipping name : Combustable Liquid, N.O.S. (contains ethyl 2-cyanoacrylate)
UN/NA Number: NA1993
Packing Group: III
Primary Hazard Class/Division: Combustible Liquid
- IMO-IMDG code : Shipping Name: Aviation regulated liquid, N.O.S. (contains ethyl 2-cyanoacrylate)
UN/NA Number UN3334
Primary Hazard Class/Division: 9



SAFETY DATA SHEET

Page : 4

Revised edition no : 2

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15 REGULATORY INFORMATION

Symbol(s)	: Xi : Irritant
R Phrase(s)	: R36/37/38 : Irritating to eyes, respiratory system and skin.
S Phrase(s)	: S24 : Avoid contact with skin. S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S35 : This material and its container must be disposed of in a safe way. S36/37 : Wear suitable protective clothing and gloves. S51 : Use only in well-ventilated areas. S59 : Refer to manufacturer/supplier for information on recovery/recycling.

The contents and format of this SDS are in accordance with REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

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