

MSDS
Material Safety Data Sheet
PERMABOND® 240



READ MATERIAL SAFETY DATA SHEET BEFORE HANDLING PRODUCT!

Issue Date 02/17/09

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER

PRODUCT NAME

MANUFACTURER

PERMABOND® 240

PERMABOND LLC

14 Robinson Street
Pottstown, PA 19464

EMERGENCY PHONES:

MEDICAL – 1-866-827-6282

TRANSPORT - (CHEMTREC) – 1-800-424-9300

MSDS REQUESTS: HELP LINE: 1-800-640-7599

SYNONYMS

SUPER GLUE

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL FAMILY

Cyanoacrylate Adhesive

COMPONENT

Ethyl cyanoacrylate

CAS NUMBER

7085-85-0

CONCENTRATION (%)

60 - 100

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

WARNING.

ON CONTACT, WILL BOND EYELIDS TOGETHER
SKIN IRRITANT. ON CONTACT WILL BOND SKIN
Colorless Liquid Pungent odor

EYE

On contact, will bond eyelids together.

SKIN CONTACT

Repeated or prolonged skin contact may result in moderate irritation. On contact, immediate bonding of the skin will occur.

INHALATION

Vapor may be irritant to the respiratory tract.

INGESTION

On contact, immediate bonding of mouth could occur.

4. FIRST-AID MEASURES

EYE

Flush with large amounts of water while holding eyelids open. Get medical attention immediately. Cured adhesive will not bond well to surface of eye, but corneal damage from abrasion may result. Do not wear contact lenses when working with this material.

SKIN CONTACT

No attempt should be made to remove material from skin or to remove contaminated clothing, as the bonded skin can be easily torn. Wash with large volumes of soap and water while flexing bonded skin parts. This procedure will slowly release bonded areas. DO NOT mechanically remove cured adhesive or attempt to pull skin apart.

MSDS
Material Safety Data Sheet
PERMABOND® 240



READ MATERIAL SAFETY DATA SHEET BEFORE HANDLING PRODUCT!

Issue Date 02/17/09

4. FIRST-AID MEASURES – CONT'D

INHALATION Remove to fresh air. If breathing is difficult, give oxygen. If breathing has stopped, give artificial respiration. Get medical attention.
INGESTION Immediate bonding of mouth will occur. Get medical attention.

5. FIREFIGHTING MEASURES

FLASH POINT 167 ∞F (Setaflash Closed Tester)
EXTINGUISHING MEDIA CO2; Dry Chemical; Foam
SPECIAL FIREFIGHTING PROCEDURES Fire fighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes.
FIRE & EXPLOSION HAZARDS Cloths used to wipe up spills may cause rapid polymerization that could generate sufficient heat to ignite the cloth. Combustion will evolve toxic and irritant vapors.
FLAMMABILITY HAZARD CLASS 2 = Moderate.

6. ACCIDENTAL RELEASE MEASURES

SPELL AND LEAK PROCEDURES SMALL SPILLS: wipe up with cloth. Immediately soak cloth with water to polymerize the adhesive. Caution! Cloth containing adhesive may undergo autoignition if not soaked with water. LARGE SPILLS: flood area with water. When cured, remove film with a scraper. Wear NIOSH approved respirator for organic vapors if needed, and protective clothing.

For safety and environmental precautions, please review entire Material Safety Data Sheet for necessary information.

7. HANDLING AND STORAGE

STORAGE TEMPERATURE = 35 - 45 ∞F
= 2 - 7 ∞C
HANDLING/STORAGE Keep away from heat, sources of ignition and direct sunlight. Keep material refrigerated at the storage temperature referenced above.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

COMPONENT	EXPOSURE LIMITS	
Ethyl cyanoacrylate	ACGIH-TWA: 0.2 ppm	OSHA-PEL: 2 ppm OSHA-STEL: 4 ppm

MSDS
Material Safety Data Sheet
PERMABOND® 240



READ MATERIAL SAFETY DATA SHEET BEFORE HANDLING PRODUCT!

Issue Date 02/17/09

11. TOXICOLOGICAL INFORMATION – CONT'D

COMPONENT Ethyl cyanoacrylate	ORAL TOXICITY Oral LD50: Rat 180 mg/kg	NOTES ON ORAL TOXICITY Ingestion may cause irritation of the gastrointestinal tract. On contact, immediate bonding of mouth could occur.
COMPONENT Ethyl cyanoacrylate	DERMAL TOXICITY Dermal LD50: Rabbit 220 ml/kg	NOTES ON DERMAL TOXICITY Irritating to the skin. On contact, immediate bonding of the skin will occur.
COMPONENT Ethyl cyanoacrylate	INHALATION TOXICITY	NOTES ON INHALATION TOXICITY Vapor, if generated, can cause irritation of the eyes, nose and respiratory tract. Avoid breathing vapors or mists.
COMPONENT Ethyl cyanoacrylate		NOTES ON EYE IRRITATION On contact, will bond eyelids together. Vapors are lachrymatory. Will cause eye irritation. Cyanoacrylates will not bond to the eye but may cause corneal scratching.

12. ECOLOGICAL INFORMATION

POTENTIAL TO BIOACCUMULATE	Unknown.
AQUATIC TOXICITY	None Established

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHODS	Disposal should be in accordance with local, state or national legislation.
EMPTY CONTAINER WARNINGS	Empty containers may contain product residue; follow MSDS and label warnings even after they have been emptied.

14. TRANSPORTATION INFORMATION

This section provided for general information only.

U.S. Department of Transportation Ground (49 CFR):

Proper shipping name: Combustible liquids, n.o.s. (Cyanoacrylate ester)

Hazard class or division: 3

Identification number: NA 1993

Packing group: None

Exceptions: (Not more than 450 Liters) Unrestricted

Marine pollutant: None

Please note that Cyanoacrylates are not restricted for domestic ground transportation in non bulk containers (The DOT defines a bulk container as a "Package" containing more than 450 liters. The "Package" is the individual bottle, tube or drum, not a carton containing many bottles.

MSDS
Material Safety Data Sheet
PERMABOND® 240



READ MATERIAL SAFETY DATA SHEET BEFORE HANDLING PRODUCT!

Issue Date 02/17/09

14. TRANSPORTATION INFORMATION – CONT'D

International Air Transportation (ICAO/IATA):

Proper shipping name: Aviation regulated liquids, n.o.s (Cyanoacrylate ester)

Hazard class or division: 9

Identification number: UN3334

Packing group: III

Exceptions: (Not more than 500ml) Unrestricted

Please note that Cyanoacrylates are restricted for air transportation in packages containing more than 500gr. The "Package" is the individual bottle, tube or drum, not a carton containing many bottles. Permabond's 3g, 20 gr, 1 ounce (28.4 gr), 1 pound (454gr) and 500 gr, are not restricted for air transportation.

Water Transportation (IMO/IMDG):

Proper shipping name: Unrestricted

Hazard class or division: None

Identification number: None

Packing group: None

Marine pollutant: None

The information provided herein may not include the impact of additional regulatory requirements (eg, for materials meeting the definition of a hazardous waste under RCRA, hazardous substances under CERCLA, and/of marine pollutants under CWA or other similar federal, state or local laws) or any associated exceptions or exemptions under regulations applicable to the transport of this material.

15. REGULATORY INFORMATION

USA

TSCA

All components are on the TSCA inventory.

SARA/TITLE III

Contains no substances at or above the reporting threshold under Section 313.

CAS NUMBER

CONCENTRATION (%)

16. OTHER INFORMATION

MSDS DATE

02/17/09

This MSDS contains change from the previous one in section 1; Update on Manufacturer Address.

FOR INFORMATION CONTACT:

Permabond LLC

HELP Line: 1-800-640-7599

ADDITIONAL INFORMATION: The information given and the recommendations made herein apply to our product(s) alone and are not combined with other product(s). Such are based on our research and on data from other reliable sources and are believed to be accurate. No guaranty of accuracy is made. It is the purchaser's responsibility before using any product to verify this data under their own operating conditions and to determine whether the product is suitable for their purposes.