

SECTION 1: COMPANY AND PRODUCT IDENTIFICATION

COMPANY INFORMATION:

Edge Adhesives

3709 Grove City Road

Grove City, OH 43123

Phone: 614-875-6343

Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

PRODUCT NAME: Plioseal Primer

PRODUCT DESCRIPTION: Primer, Splice Wash

SECTION 2: HAZARD(S) IDENTIFICATION

EMERGENCY OVERVIEW:

Highly flammable

Central Nervous System (CNS) Hazard

Moderate to severe eye irritant

Causes skin irritation

Moderate respiratory tract irritant

Harmful if swallowed

HMIS RATING: HEALTH – 2

FLAMMABILITY – 3

REACTIVITY – 0

See SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

POTENTIAL HEALTH EFFECTS BY ROUTE OF ENTRY:

EYE: Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling.

SKIN: Can cause skin irritation. Symptoms may include redness, burning, drying, and cracking, and allergic reactions.

INHALATION: No symptoms are expected at air concentrations below the recommended exposure limits, if applicable. May cause allergic reactions of the respiratory tract.

INGESTION: Ingestion is not an anticipated route of exposure. Swallowing this material may be harmful.

LONG-TERM (CHRONIC) HEALTH EFFECTS:

TARGET ORGAN(S): Prolonged overexposure to this product may cause CNS and kidney damage, as well as visual impairment.

REGULATED CARCINOGEN STATUS: This product contains ethylbenzene, a chemical that has been classified as a possible human carcinogen by the International Agency for Research on Cancer (IARC).

EXISTING HEALTH CONDITIONS AFFECTED BY EXPOSURE: Preexisting disorders of the following organs/organ systems may be aggravated by exposure to this material: Lung, Skin, Liver, Kidney, CNS, upper respiratory tract, heart, male reproductive system.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Based on data available to Edge Adhesives, unlisted ingredients are not 'hazardous' per the Occupational Safety and Health Administration Hazard Communication Standard (29 CFR 1910.1200). The composition of this compound is proprietary information. In the event of a medical emergency, detailed information will be provided to a nurse or physician.

Chemical Name	CAS #	PERCENT	OSHA PEL
Toluene	108-88-3	50 - 60	435 MG/M3
Xylene	1313-20-7	10 - 15	435 MG/M3
Solvent Naptha	64742-89-8	5 - 10	None Established
n-Hexane	110-54-3	5 - 10	1800 MG/M3
Ethyl Benzene	100-41-4	1.5 - 5	435 MG/M3
Cyclohexane	110-82-7	1.5 - 5	1050 MG/M3 Dust; 5MG/M3 Fume
n-Heptane	142-82-5	.1 - 1.5	2000 MG/M3 Dust; 5MG/M3 Fume
Isocyanates	53880-05-0	.1 - 1.5	None Established

SECTION 4: FIRST AID MEASURES

IF IN EYES: If symptoms develop, immediately move individual(s) away from exposure and into fresh air. Flush eyes gently with water for at least 15 minutes while holding eyelids apart; seek immediate medical attention.

IF ON SKIN: Flush exposed area with large amounts of water. If skin is damaged, seek immediate medical attention. If skin is not damaged and symptoms persist, seek medical attention. If skin is not damaged and symptoms persist, seek medical attention. Launder clothing before reuse.

IF VAPORS INHALED: If symptoms develop, immediately move individual(s) away from exposure and into fresh air. Seek immediate medical attention; keep person warm and quiet. If person is not breathing, begin artificial respiration. If breathing is difficult, administer oxygen.

IF SWALLOWED: Seek medical attention. If individual(s) is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT:	0°F
NFPA FLAMMABLE & COMBUSTIBLE LIQUIDS CLASSIFICATION:	Combustible Liquid Class IIIB
EXTINGUISHING MEDIA:	Water Spray, Dry Chemical, Carbon dioxide
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Material will burn in a fire.
SPECIAL FIRE FIGHTING INSTRUCTIONS:	Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.
HAZARDOUS COMBUSTION PRODUCTS:	Carbon dioxide, Carbon monoxide, Hydrocarbons, Aldehydes, organic compounds

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPECIAL PROTECTION:	Follow personal protective equipment recommendations found in Section 8 of this MSDS. Comply with all applicable legal regulations. Ensure adequate ventilation. Eliminate all ignition sources (flares, flames, sparks, etc.) Be aware of the spreading of gases at ground level and to the direction of the wind.
ENVIRONMENTAL PRECAUTIONS:	Prevent spreading over a wide area (e.g. by containment or oil barriers). Do not let product enter drains. Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillage cannot be contained.
METHODS FOR CLEANING UP:	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13).
OTHER INFORMATION:	Comply with all applicable federal, state, and local regulations. Suppress (knock down) gases/vapors/mists with a water spray jet.

Transport Emergency Phone Number (CHEMTREC): 1-800-424-9300

SECTION 7: HANDLING AND STORAGE

HANDLING:	Containers of this material may be hazardous when emptied. Since emptied containers retain product residues, all hazard precautions given in the data sheet must be observed. Static ignition hazard can result from handling and use. Electrically bond and ground all containers, personnel, and equipment before transfer or use of this material. Special precautions may be necessary to dissipate static electricity for non-conductive containers. Use proper bonding and grounding during product transfer as described in National Fire Protection Association document NFPA 77.
STORAGE:	Store in a cool, dry, ventilated area away from incompatible substances.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

EYE PROTECTION: Wear goggles when handling this product.

SKIN PROTECTION: Wear appropriate clothing when using this product to protect the skin from unintentional exposure.

GLOVES: Wear gloves whenever possible and practical.

RESPIRATORY PROTECTION: A NIOSH-approved air purifying respirator with an appropriate cartridge and/or filter may be permissible under certain circumstances of prolonged exposure to high concentrations.

VENTILATION: Use local exhaust ventilation to minimize exposure.

HYGIENIC PRACTICES: Wash hands before eating, smoking, or using the restroom.

EXPOSURE LIMITS: None applicable for this product when used for normal industrial applications. Avoid excessive and unnecessary exposure whenever possible. If deemed useful and essential for treatment, specific exposure limits of raw materials used during the manufacturing process will be provided to a nurse or physician.

GENERAL ADVICE: Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations, and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE:	Liquid
COLOR:	Pale Amber
ODOR:	Aromatic
ODOR THRESHOLD:	Not established
SPECIFIC GRAVITY:	0.84
SOLIDS (% by weight):	3 - 7%
BOILING POINT (deg. C):	64
VAPOR PRESSURE (mm Hg):	40.9 mmHg @ 68°F

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable under normal conditions
CONDITIONS TO AVOID:	Avoid excessive heat, flames, and sparks.
CHEMICAL INCOMPATIBILITY:	Acids, alkalis, peroxides, strong oxidizing agents
HAZARDOUS POLYMERIZATION:	Will not occur
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon dioxide, Carbon monoxide, Hydrocarbons, Sulfur oxides, Metal oxides, Manganese fumes

SECTION 11: TOXICOLOGICAL INFORMATION

CHEMICAL NAME	LD50/LC50
Toluene	Oral LD50 Rat = 2.6 g/kg; Dermal LD50 Rabbit = 12,124 mg/kg
Xylene	Oral LD50 Rat = 4300 mg/kg; Dermal LD50 Rabbit = >2000 mg/kg
Solvent Naphtha	Oral LD50 Rat = >8000 mg/kg; Dermal LD 50 Rat = >4000 mg/kg
Ethyl Benzene	Oral LD50 Rat = 3500 mg/kg; Dermal LD 50 Rabbit = 17800 mg/kg
Cyclohexane	Oral LD50 Rat: = 29,820 mg/kg; Dermal LD 50 Rabbit = 2 g/kg
n-Heptane	Oral LD50 Rat: = >15000 mg/kg; Dermal LD 50 Rabbit = >2000 mg/kg

TOXICOLOGY SUMMARY: No additional health information available.

SECTION 12: ECOLOGICAL INFORMATION

OVERVIEW: No ecological information is available on this material as a finished product. Testing has been done on the individual, proprietary components that form the composition of this product as well as materials that were used during the manufacturing process. Ecological static tests involving fish, daphnia, and algae showed measurable ecological damage to these specimens. **DISPOSE OF MATERIAL PROPERLY!**

SECTION 13: DISPOSAL CONSIDERATIONS

Destroy by liquid incineration in accordance with applicable regulations. Dispose of in accordance with all applicable local, state, and federal regulations.

SECTION 14: TRANSPORTATION INFORMATION

Consult Bill of Lading for transportation information.

SECTION 15: REGULATORY INFORMATION

INVENTORY STATUS: This product is in compliance with the Toxic Substances Control Act's inventory requirements set forth by the United States Environmental Protection Agency (EPA).

If you need more information about the inventory status of this product, call 651-236-5858.

This product may contain chemical substances that are regulated for export by various government agencies (such as the Environmental Protection Agency, the Bureau of Industry and Security, or the Drug Enforcement Administration, among others).

FEDERAL REPORTING:

EPA SARA 311/312 Classification
Fire Hazard, Acute Health Hazard, Chronic Health Hazard

EPA SARA Title III Section 313

Unless listed below, this product does not contain toxic chemical(s) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 72. The EPA has advised that when a percentage range is listed, the midpoint may be used to fulfill reporting obligations.

Chemical Name	CAS#	%
Toluene	108-88-3	56.42%
Xylene	1313-20-7	14.62%
n-Hexane	64742-89-8	7.60%
Ethyl Benzene	110-54-3	4.18%
Cyclohexane	100-41-4	2.01%

To the best of our knowledge, this product holds a positive listing among regulatory agencies of the following nations: USA, Canada (restricted quantity).

STATE REPORTING:

California Prop. 65

WARNING! This product contains a chemical known to the State of California to cause cancer.	ETHYL BENZENE BENZENE
WARNING! This product contains a chemical known to the State of California to cause cancer.	TOLUENE BENZENE

New Jersey RTK Label Information:

Pennsylvania RTK Label Information:

Chemical Name	CAS#	Chemical Name	CAS#
Toluene	108-88-3	Toluene	108-88-3
Xylene	1330-20-7	Xylene	1330-20-7
Solvent Naptha	64742-89-8	Solvent Naptha	64742-89-8
n-Hexane	110-54-3	n-Hexane	110-54-3
Ethyl Benzene	100-41-4	Ethyl Benzene	100-41-4
Cyclohexane	110-82-7	Cyclohexane	110-82-7
n-Heptane	142-82-5	n-Heptane	142-82-5
		Benzene	71-43-2

Reportable Quantity – Product
U.S. EPA CERCLA Hazardous Substances (40 CFR 302) – 683 lbs.

Reportable Quantity – Components
Xylene 1330-20-7 – 100 lbs.

SECTION 16: ADDITIONAL INFORMATION

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200).

Prepared by: Edge Adhesives

Phone: 614-875-6343

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to Edge Adhesives from its suppliers, and because Edge Adhesives has no control over the conditions of handling and use, Edge Adhesives makes no warranty, expressed or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information is supplied solely for your information and consideration, and Edge Adhesives assumes no responsibility for use or reliance thereon. It is the responsibility of the user of Edge Adhesives products to comply with all applicable federal, state and local laws and regulations.