



MATERIAL SAFETY DATA SHEET

PARBOND[®]

Revision Date: Feb. 7, 2013

SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY INFORMATION

Edge Adhesives
3200 C.R. 6 East
Elkhart, Indiana 46514
Phone: 574-264-9614

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

PRODUCT NUMBER: PARBOND[®]
PRODUCT DESCRIPTION: Rubber Sealant, Solvated Sealant

SECTION 2: 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	30 - 50	TWA 100 ppm; STEL 150 ppm
Chlorinated paraffin	63449-39-8	1 - 5	Not established
Silica, amorphous fumed	112945-52-5	1 - 5	Not established
Xylene	1330-20-7	5 - 10	TWA 100 ppm; STEL 150 ppm

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

Highly flammable
Moderate to severe eye irritant
Causes skin irritation
Moderate respiratory tract irritant
Harmful if swallowed

HMIS RATING: HEALTH – 3 FLAMMABILITY – 3 REACTIVITY – 0

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

POTENTIAL HEALTH EFFECTS BY ROUTE OF ENTRY:

EYE: Eye contact may cause moderate to severe eye irritation. Eye contact may result in tearing and reddening, but not likely to permanently injure eye tissue. Temporary vision impairment (cloudy or blurred vision) is possible.

SKIN: Can cause moderate skin irritation, defatting, and dermatitis. Not likely to cause permanent damage. Avoid unnecessary exposure.

INHALATION: Can cause moderate respiratory irritation. Inhalation of dusts produced during cutting, grinding or sanding of this product may cause irritation of the respiratory tract. Inhalation of high concentrations may result in central nervous system (CNS) impairment such as dizziness, weakness, fatigue, nausea, headache, and lack of coordination. This product contains one or more materials that may be hazardous when present as an airborne dust. During normal handling of this product, such material(s) are encapsulated within the product and will not present an exposure risk. Once the product has reached its final state and is abraded or disturbed, dusting and exposure may occur.

INGESTION: Ingestion is not an anticipated route of exposure. Harmful if swallowed. Seek medical attention.

LONG-TERM (CHRONIC) HEALTH EFFECTS:

REPRODUCTIVE: Contains a substance that is a probable reproductive hazard based on human studies.

TARGET ORGAN(S): Reproductive System, Liver, Central Nervous System, Lungs, Kidneys

REGULATED CARCINOGEN STATUS: Unless noted below, this product does not contain regulated levels of NTP, IARC, ACGIH, or OSHA listed carcinogens.

EXISTING HEALTH CONDITIONS AFFECTED BY EXPOSURE: Liver disease; Lung disease; Kidney disease; Blood disorders (like anemia)

SECTION 4: FIRST AID MEASURES

IF IN EYES: Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.

IF ON SKIN: Wash with soap and water. Remove contaminated clothing and launder. Get medical attention if irritation develops or persists.

IF VAPORS INHALED: Remove to fresh air. Restore breathing, if necessary. Call a physician if symptoms persist.

IF SWALLOWED: Do not induce vomiting. Seek medical attention immediately. Drink two glasses of water or milk to dilute. Do not give anything by mouth to an unconscious person. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.

SECTION 5: FIRE FIGHTING MEASURES

FLASH POINT:	5C; 41F TCC
AUTOIGNITION TEMPERATURE:	Not established
LOWER EXPLOSIVE LIMIT (% in air):	Not established
UPPER EXPLOSIVE LIMIT (% in air):	Not established
EXTINGUISHING MEDIA:	Use water spray, foam, dry chemical or carbon dioxide
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Vapors are heavier than air and can travel to a source of ignition and flash back
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 Chlorine containing gases

SECTION 6: ACCIDENTAL RELEASE MEASURES

SPECIAL PROTECTION:	Exposure to the spilled material may be severely irritating or toxic. Follow personal protective equipment recommendations found in Section 8 of this MSDS. Personal protective equipment needs must be evaluated based on information provided on this sheet and the special circumstances created by the spill including; the material spilled, the quantity of the spill, and the area in which the spill occurred. Never exceed any occupational exposure limits. Evaporation of volatile substances can lead to the displacement of air creating an environment that can cause asphyxiation.
CLEAN-UP:	Dike if necessary, contain spill with inert absorbent and transfer to containers for disposal. Keep spilled product out of sewers, watersheds, or water systems. Shut off ignition sources; including electrical equipment and flames. Do not allow smoking in the area.

SECTION 7: HANDLING AND STORAGE

- Handling: Toxic or severely irritating material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area.
 Keep away from heat, sparks and flame.
 Wash thoroughly after handling.
 Keep container closed.
 Emptied container retains vapor and product residue.
 Observe all labeled precautions until container is cleaned.
 Drums of this material should be grounded when pouring.
DO NOT CUT OR WELD ON OR NEAR THIS CONTAINER.
- Storage: Store in a cool, dry, ventilated location. Keep away from heat, sparks, flame and other sources of ignition. Keep container closed.

Consult the Technical Data Sheet for specific storage instructions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- EYE PROTECTION: Wear safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing, spraying, or airborne material. Have an eye wash station available.
- SKIN PROTECTION: Avoid skin contact by wearing chemically resistant gloves and a long sleeved shirt. An apron may be appropriate if splashing can occur. Skin absorption may potentially contribute to the overall exposure to this material. Appropriate measures should be taken to prevent absorption so that the TLV is not invalidated.
- GLOVES: Butyl rubber or nitrile gloves are recommended.
- RESPIRATORY PROTECTION: Respiratory protection may be required to avoid overexposure when handling this product. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. A NIOSH approved air purifying respirator with an organic vapor cartridge is recommended. Respirators should be selected by and used following requirements found in OSHA's respirator standard (29 CFR 1910.134).
- VENTILATION: Use local exhaust ventilation or other engineering controls to minimize exposures.

EXPOSURE LIMITS:

Chemical Name	ACGIH EXPOSURE LIMITS	AIHA WEEL
Toluene	TWA 50 ppm; Skin notation	Not established
Xylene	TWA 100 ppm; STEL 150 ppm	Not established

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

- PHYSICAL STATE: Liquid
- COLOR: White, Aluminum, Clear
- ODOR: Solvent, Aromatic pre-cure
- ODOR THRESHOLD: Not established
- WEIGHT PER GALLON (lbs.): 7.7 – 8.2
- SPECIFIC GRAVITY: 0.92 – 0.99
- SOLIDS (% by weight): 58-59%
- pH: Not established
- BOILING POINT (deg. C): Not established
- FREEZING/MELTING POINT (deg. C): Not established
- VAPOR PRESSURE (mm Hg): Not established
- VAPOR DENSITY: Not established
- EVAPORATION RATE: Not established
- OCTANOL/WATER COEFFICIENT: Not established

SECTION 10: STABILITY AND REACTIVITY

STABILITY:	Stable under normal conditions.
CHEMICAL INCOMPATIBILITY:	Not established
HAZARDOUS POLYMERIZATION:	Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS:	Carbon monoxide, carbon dioxide Chlorine containing gases

SECTION 11: TOXICOLOGICAL INFORMATION

CHEMICAL NAME	LD50/LC50
Toluene	Oral LD50 Rat = 636 mg/kg; Inhalation LC50 Rat = 49000 mg/cu m/4H; Dermal LD50 Rabbit = 14.1 ml/kg
Chlorinated paraffin	Oral LD50 Rat >21500 ml/kg Dermal LD50 Rabbit > 10 ml/kg
Xylene	Oral LD50 Rat = 4300 mg/kg; Inhalation LC50 Rat = 5000 ppm/4H Dermal LD50 Rat = 1700 mg/kg

TOXICOLOGY SUMMARY: No additional health information available.

SECTION 12: ECOLOGICAL INFORMATION

OVERVIEW: Volatile Organic Content:

- 418 g VOC/liter of material (VOC theoretically determined using EPA Reference method 24)
- 418 g VOC/liter of material, less water and exempt solvents (VOC theoretically determined using EPA Reference method 24)

SECTION 13: DISPOSAL CONSIDERATIONS

This product meets the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. It is ignitable waste class D001. Disposal via incineration is recommended. Consult your state, local, or provincial authorities for more restrictive requirements.

LAND DISPOSAL RESTRICTIONS: Toluene Xylenes (o-, m-, p- isomers)

SECTION 14: TRANSPORTATION INFORMATION

Consult Bill of Lading for transportation information.

DOT: ADHESIVES, 3, UN1133, PGII

IATA: IN CONTAINERS 2352 POUNDS OR MORE: ADHESIVES, 3, UN1133, PGII, RQ (TOLUENE)

SECTION 15: REGULATORY INFORMATION

INVENTORY STATUS:

U.S. EPA TSCA: This product is in compliance with the Toxic Substances Control Act's Inventory requirements.

EUROPEAN EINECS: This product is in compliance with the European Inventory of Notified and Existing Chemical Substances requirements.

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 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. 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	30 - 50
Polychlorinated alkanes	63449-39-8	1 - 5
Xylene (mixed isomers)	1330-20-7	0.1 - 1

WHMIS STATUS: Unless listed below, this product is not controlled under the Canadian Workplace Hazardous Materials Information System.
B2, D2A, D2B

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: 574-264-9614

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.