



## **PARABOND M-163 Carpet Seam Adhesive (Extremely Flammable)**

### **PERFORMANCE:**

- **Fast Grab**
- **Fast Drying**
- **High Strength**
- **Odorless when dry**

### **DESCRIPTION:**

Parabond M-163 is recommended for use in seaming all types of carpet in direct glue down installations, excluding PVC vinyl backs. M-163 should also be used for double stick applications and installations to be stretched in over pad.

### **DIRECTIONS:**

1. Prepare carpet according to manufacturer's instructions. Refer to installation guidelines CRI-104-105 for additional information regarding subfloor preparations, etc.
2. Apply a bead of seam adhesive along the trimmed edge (one-side) where the face yarn enters the backing.
3. Complete the seam by butting both sections of the carpet together while the adhesive is still wet (within 5-10 minutes).
4. If the seam tends to buckle, relieve the stress on the carpet with a knee kicker.
5. Adhesive smears, as well as dried adhesive, are easily cleaned with a cloth dampened with Mineral Spirits.
6. Avoid soaking carpet with solvent as the carpet backing can be adversely affected.
7. Do Not Pour Solvent Directly On Carpet.

### **COVERAGE:**

One quart provides Approx. 350 linear feet of 1/8" bead

### **PHYSICAL PROPERTIES:**

Weight/Gal (lb) 7.30  
Open time 10 min.  
Shelf Life 1 year @ 70°F in un-opened container

### **FOR PROFESSIONAL USE ONLY**

### **FOR MORE INFORMATION READ THE MATERIAL SAFETY DATA SHEET**

### **KEEP OUT OF REACH OF CHILDREN.**

### **WARRANTY:**

Para-Chem's only obligation shall be to replace or pay for any adhesive proved to be defective when authorized in writing by the company. Beyond the purchase price of materials supplied by us, we assume no liability for any damages of any kind and the user accepts the product "as is" and without warranties, expressed or implied. The suitability of the product for an intended use shall be solely up to the user.

4-22-03

ISO 9001 Certified

Corporate Address: PO Box 127 • Simpsonville, SC 29681-0127 • 800-763-7272 • Fax: 864-228-1491 Manufacturing Facilities:  
Simpsonville, SC • Philadelphia, PA • Dalton, GA • Mansfield, TX • Adelanto, CA

[www.parabond.com](http://www.parabond.com)

# MATERIAL SAFETY DATA SHEET

Page 1 of 3

*Para-Chem<sup>®</sup>, PO Box 127, Simpsonville, SC 29681*

*24-Hour Emergency Telephone: (864) 967-7691*

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## SECTION 1. PRODUCT IDENTIFICATION

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PRODUCT NAME: PARABOND<sup>®</sup> M-163

CHEMICAL FAMILY: Seam Sealer

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## SECTION 2. HAZARDOUS INGREDIENTS AND EXPOSURE LIMITS

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<u>Chemical Name</u>	<u>CAS Number</u>	<u>% by Weight</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>
Toluene	108-88-3	8.6%	50 ppm	200 ppm
Acetone	67-64-1	20.6%	750 ppm	1000 ppm
Hexane	110-54-3	18.9%	500 ppm	500 ppm

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## SECTION 3. HAZARDS IDENTIFICATION

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PRIMARY ROUTES OF ENTRY: Eyes, skin, and respiratory system.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Respiratory problems, skin disorders.

POTENTIAL HEALTH EFFECTS:

EYE CONTACT: Can cause moderate to severe irritation, including discomfort, swelling, corneal damage, and blindness. Vapors can cause slight to moderate irritation.

SKIN CONTACT: Can cause moderate irritation, swelling, de-fatting, and dermatitis. Ingredients in Section 2 are absorbed through the skin into the blood upon contact.

INGESTION: Can cause gastrointestinal irritation, nausea, vomiting, and diarrhea. The possibility of aspiration of vapors into the lungs can lead to serious damage and chemical pneumonia.

INHALATION: Can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness, and asphyxiation.

CHRONIC: Chronic exposure by inhalation and skin absorption can cause damage to lungs, kidneys, liver, heart, and central nervous system, increase in birth defects, and lower fertility in males (based on animal tests).

CARCINOGENICITY: This product contains no ingredient above the OSHA minimum reporting threshold listed as a carcinogen by IARC, NTP, or OSHA.

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## SECTION 4. FIRST AID MEASURES

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EYE CONTACT: Flush with water for 15 minutes. Call physician if irritation occurs.

SKIN CONTACT: Wash with soap and water. Call physician if irritation occurs.

INGESTION: To conscious person, give two glasses of water. Do not induce vomiting and call physician immediately.

INHALATION: Move person to fresh air. If breathing stops, administer artificial respiration and call physician immediately.

# MATERIAL SAFETY DATA SHEET

Page 2 of 3

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## SECTION 5. FIRE-FIGHTING MEASURES

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FLASH POINT (°) F: Below 20, TOC

LOWER FLAMMABLE LIMIT: 1.2

UPPER FLAMMABLE LIMIT: 12.8

FIRE-FIGHTING INSTRUCTIONS: Alcohol foam, CO<sub>2</sub>, and dry chemical. Use protective clothing and self-contained breathing apparatus. Eliminate sources of ignition because vapors may travel along the ground or be moved by ventilation.

DECOMPOSITION PRODUCTS: Include CO, CO<sub>2</sub>, H<sub>2</sub>O, smoke, hydrocarbons, and materials listed in Section II.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

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STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Eliminate all ignition sources. Wear protective clothing including appropriate respiratory gear. Dike and pump liquid to waste containers. Dispense sand, sawdust, or vermiculite and absorb spill residue. Shovel into secure waste containers of solvent proof construction. Do not allow into waterways, sewers, or storm drains.

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## SECTION 7. HANDLING AND STORAGE

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HANDLING: Store in well ventilated area. Use good hygienic practices. (Wash hands before eating, using washroom, or smoking.) Keep closure tight and container upright to prevent leakage. Drums of this material should be grounded and bonded when pouring. Do not puncture, drag, or slide container. Prevent prolonged or repeated breathing of vapor or mist. Do not weld or flame cut an empty drum. Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. This product as supplied is a liquid, and there are no dust hazards from the powders in it. When the product is processed, the powders should be encapsulated. The user must determine if there is a dust hazards because of the process used or the end use of the dried material.

\*\*\* Keep out of the reach of children \*\*\*

STORAGE: Store above 40°F or below 100°F. DO NOT store or use near heat, sparks, or flame.

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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PERSONAL PROTECTIVE EQUIPMENT:

EYE/FACE PROTECTION: Wear splash goggles, face shield, and/or full face respirator if contact with liquid is likely.

SKIN PROTECTION: Wear solvent impermeable gloves where contact with liquid is likely. Wear solvent resistant clothing where splash potential exists.

RESPIRATORY PROTECTION: If PEL or TLV is exceeded, use a NIOSH/MSHA approved respirator, or a positive pressure supplied air respirator. Dust masks are not acceptable to prevent inhalation hazards.

ENGINEERING CONTROLS: Use sufficient ventilation, in volume and pattern, to keep air contaminant concentration below PEL or TLV. Work areas must be free of all flame/ignition sources. Do not use in confined spaces without proper ventilation.

# MATERIAL SAFETY DATA SHEET

Page 3 of 3

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

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BOILING POINT (°F): 133-150

VAPOR PRESSURE (mg Hg): 68

VAPOR DENSITY (air=1): 2.2

SPECIFIC GRAVITY (water= 1): 0.88

% VOLATILE BY WEIGHT: 48.2

APPEARANCE AND ODOR: Yellow liquid with sweet ketone odor.

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## SECTION 10. STABILITY AND REACTIVITY

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CHEMICAL STABILITY: Stable.

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: None.

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## SECTION 11. TOXICOLOGICAL INFORMATION

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Toluene: Acute Oral LD<sub>50</sub> (Rat) – 636 mg/kg. Toluene is classified as a Teratogen in animals.

Hexane: Acute Oral LD<sub>50</sub> (Rat) – 28,710 mg/kg Irritation: Eye (Rabbit) 10 mg – Mild.

Acetone: Acute Oral - LD<sub>50</sub> (Rat) – 5800 mg/kg LD<sub>Lo</sub> (Man) – 2857 mg/kg

Acute Inhalation - TC<sub>50</sub> (Rat) – 44 mg/m<sup>3</sup>/4 hr TC<sub>Lo</sub> (Man) – 500 ppm

Irritation: Eye (Rabbit) 20 mg – Severe Skin (Rabbit) 500 mg/24 hr and open irritation test – Mild.

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## SECTION 12. ECOLOGICAL INFORMATION

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Toluene, Acetone, Hexane: Readily volatilize when released to air, ground, or water. Biodegradation in soil is gradual dependant on soil conditions. Degradation in air is via photochemical reaction (hydroxy radicals) with expected half lives of 3 hrs to 1 days for toluene, 1 to 10 days for hexane, and 22 days for acetone. Little to no bioaccumulation is expected.

Ecotoxicity: Toluene: LC<sub>50</sub> (Bluegill) – 17 mg/L/24 hr. 13 mg/L/96 hr.

Acetone: LC<sub>50</sub> (Rainbow Trout) – 5540 mg/L/96 hr. Sunfish, death – 14,250 ppm/24 hr.

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## SECTION 13. DISPOSAL CONSIDERATIONS

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Dispose of in accordance with federal, state and local regulations.

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## SECTION 14. TRANSPORT INFORMATION

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For domestic transportation purposes, this product is designated as a hazardous material by the U.S. Department Of Transportation. DOT CLASSIFICATION:

Proper Shipping Name: Adhesives, 3

ID Number: UN 1133, PG II

Label: Extremely Flammable

# MATERIAL SAFETY DATA SHEET

Page 4 of 4

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## SECTION 15. REGULATORY INFORMATION

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TSCA: All ingredients are listed on the TSCA inventory.

RCRA: This product meets the category definition of a hazardous waste. Hazardous waste number – U002; hazardous waste classification – Ignitable waste.

CERCLA:

<u>Chemical Name</u>	<u>RQ</u>
Toluene	1,000 lbs.
Acetone	5,000 lbs.
Hexane	5,000 lbs.

SARA TITLE III:

Section 311 and 312 Health and Physical Hazards:

Immediate	Delayed	Fire	Pressure	Reactivity
[X]	[ X ]	[X]	[ ]	[ ]

Section 313 Chemicals:

<u>Chemical Name</u>	<u>CAS#</u>	<u>% by Weight</u>
Toluene	108-88-3	8.6 %
Hexane	110-54-3	18.9 %
Acetone	67-64-1	20.6 %

CALIFORNIA PROPOSITION 65: This product contains toluene, known to the State of California to cause developmental toxicity.

VOLATILE ORGANIC COMPOUNDS (VOC's): Acetone – 20.6 %, Toluene – 8.6 %, Hexane – 18.9 %

HAZARDOUS AIR POLLUTANTS (HAP's): Toluene – 8.6 %, Hexane – 18.9 %.

CALIFORNIA VOC (Volatile Organic Compound) COMPLIANCE:

Contains Solvent.

SCAQMD Rule 1168: Not VOC compliant.

Grams of VOC less water and exempt compounds per Liter of Material - 242 grams/liter.

Grams of VOC less water and exempt compounds per Liter of Coating - 295 grams/liter.

SCAQMD Rule 443.1: Grams of VOC per Liter of Material - 423 grams/liter.

Grams of VOC per Liter of Coating - 423 grams/liter.

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## SECTION 16. OTHER INFORMATION

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HMIS RATINGS: Health = 2\*      Flammability = 3      Reactivity = 0  
Personal Protective Equipment = H      \* Denotes potential chronic health hazard  
Hazard rating scale: 0=Minimal, 1=Slight, 2=Moderate, 3=Serious, 4=Severe

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Para-Chem, Inc. believes the statements, technical information and recommendations contained herein are reliable. They are given without warranty or guarantee of any kind, expressed or implied.

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