



SECTION 1: PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: Paratherm® Barrier
Paratherm® HD Barrier

CHEMICAL FAMILY: Polyisocyanate

SUPPLIER: Siplast

ADDRESS: 14911 Quorum Dr, Ste 600, Dallas, TX 75254

24-HOUR EMERGENCY PHONE (CHEMTREC): 800 – 424 – 9300 (Domestic - N. America)
703 – 529 – 3887 (International)

SECTION 2: HAZARDS IDENTIFICATION

As defined in the OSHA Hazard Communication Standard, 29 CFR 1910.1200, the products listed below are considered articles and do not require an SDS. In addition, articles are not included in the scope of the Globally Harmonization System (GHS). As such, the GHS labeling elements are not included on this SDS. All components listed for this product are bound within the product. When handled as intended and under normal conditions of use, there is no evidence that any of the ingredients are released in amounts that pose a significant health risk. Although these products are not subject to the OSHA Standard or GHS labeling elements, Siplast would like to disclose as much health and safety information as possible to ensure that this product is handled and used properly. This SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and be made available for employees and other users of this product. In addition, the recommendations for handling and use of these products should be included in worker training programs.

ADDITIONAL HAZARD IDENTIFICATION INFORMATION:

PRIMARY ROUTE OF EXPOSURE: Inhalation

SIGNS & SYMPTOMS OF EXPOSURE

EYES: May cause irritation to the eyes.

SKIN: May cause irritation to the skin.

INGESTION: This product is not intended to be ingested. If ingested, it may cause temporary irritation to the gastrointestinal (digestive) tract.

INHALATION: May cause irritation to the respiratory tract. Inhalation of high vapor concentrations of pentanes used in this product may cause dizziness, headaches, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.

ACUTE HEALTH HAZARDS:

Medical Conditions Generally Aggravated by Exposure: The dust produced by reprocessing of this product may aggravate pre-existing respiratory diseases.

CHRONIC HEALTH HAZARDS:

This product contains tris(monochloropropyl) phosphate which may cause skin sensitization.

CARCINOGENICITY:

Direct implantation of glass fibers into the lung tissue of laboratory animals has produced lung fibrosis and lung cancer. Human epidemiological studies of inhalation exposure have yielded negative results. NTP Listed; Carcinogen IARC Class 3.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| CHEMICAL NAME | CAS # | % (BY WT) | OCCUPATIONAL EXPOSURE LIMITS | | |
|------------------------------------|----------------|------------|------------------------------|---------|----------------|
| | | | OSHA | ACGIH | OTHER |
| Ethylidimethylmethane (Isopentane) | 78-78-4 | 4.5 – 9.9 | 1000 ppm | 600 ppm | REL: 120 ppm |
| n-Pentane | 109-66-0 | 0.05 – 5.5 | 1000 ppm | 600 ppm | REL: 120 ppm |
| Fibrous Glass (Fiberglass) | Not Applicable | < 11 | NE | 1 f/cc | REL: 3/fcc TWA |
| Tris (monochloropropyl) Phosphate | 13674-84-5 | < 5 | NE | NE | NE |
| Non-Hazardous Ingredients | - | >71 | - | - | - |

NE = Not Established

SECTION 4: FIRST AID MEASURES

FIRST AID PROCEDURES

- EYES:** Hold eyelids open and wash with a gentle stream of water for at least 15 minutes preferably at eyewash fountain.
- SKIN:** Wash the affected area thoroughly with soap and water.
- INHALATION:** Remove to fresh uncontaminated air.
- INGESTION:** Seek medical attention if needed.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

This product is a mechanical irritant, and is not expected to produce any chronic health effects from acute exposures. Treatment should be directed toward removing the source of irritation with symptomatic treatment as necessary.

SECTION 5: FIRE FIGHTING PROCEDURES

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| SUITABLE EXTINGUISHING MEDIA: | Water spray, Alcohol foam, Carbon Dioxide, or Dry chemical. |
| HAZARDOUS COMBUSTION PRODUCTS: | Emits dense, black smoke when burned. Carbon dioxide and carbon monoxide, phosphorus oxides, and phosphoric acid. |
| RECOMMENDED FIRE FIGHTING PROCEDURES: | Wear impermeable protective clothing and self-contained breathing apparatus. |
| UNUSUAL FIRE & EXPLOSION HAZARDS: | Emits dense, black smoke when burned. Certain operations such as grinding or cutting may lead to a buildup of dust suspended in air which can cause a dust explosion if ignited. Provide adequate ventilation and appropriate dust handling systems. Isopentane and n-pentane, highly flammable materials, may be present within this product. |

SECTION 6: ACCIDENTAL RELEASE MEASURES

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| ACCIDENTAL RELEASE MEASURES: | Use only in well ventilated areas. Wear appropriate personal protective equipment. Protect against dust that may be generated by reprocessing, altering or applying this product. Minimize dust generation and accumulation. Pick up large pieces. Sweep and scoop up material and put into a suitable container for disposal as a non-hazardous waste. |
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SECTION 7: HANDLING AND STORAGE

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| HANDLING AND STORAGE: | Keep away from heat, sparks & open flames. Store in a cool, dry area. Protect against dust that may be generated by reprocessing, altering or applying this product. Routine housekeeping should be instituted to ensure that dust does not accumulate on surfaces. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. |
| OTHER PRECAUTIONS: | None. |

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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| ENGINEERING CONTROLS / VENTILATION: | Use local exhaust ventilation if necessary. |
| RESPIRATORY PROTECTION: | During reprocessing, altering, and/or applying this product, a NIOSH respirator is recommended if the exposure level exceeds the PEL or TLV. |
| EYE PROTECTION: | Safety glasses with side shields. |

SKIN PROTECTION: Protective gloves – cotton or leather gloves when handling.

OTHER PROTECTIVE EQUIPMENT: Not applicable.

WORK HYGIENIC PRACTICES: Wash exposed skin prior to eating, drinking or smoking and at the end of each shift. Wash contaminated clothing prior to reuse. Work clothing should be washed separately from other clothes.

EXPOSURE GUIDELINES: Not applicable.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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|----------------------------------|---------------------------------------|---------------------------------|---------|
| APPEARANCE & ODOR: | White rigid cellular sheets/odorless. | | |
| FLASH POINT: | No Data | LOWER EXPLOSIVE LIMIT: | No Data |
| METHOD USED: | No Data | UPPER EXPLOSIVE LIMIT: | No Data |
| EVAPORATION RATE: | No Data | BOILING POINT: | No Data |
| pH (undiluted product): | No Data | MELTING POINT: | No Data |
| SOLUBILITY IN WATER: | Insoluble | SPECIFIC GRAVITY: | No Data |
| VAPOR DENSITY: | No Data | PERCENT VOLATILE: | No Data |
| VAPOR PRESSURE: | No Data | MOLECULAR WEIGHT: | No Data |
| VOC WITH WATER (LBS/GAL): | No Data | WITHOUT WATER (LBS/GAL): | No Data |

SECTION 10: STABILITY AND REACTIVITY

THERMAL STABILITY: **STABLE** **UNSTABLE**

CONDITIONS TO AVOID (STABILITY): Keep away from heat, sparks, or open flame.

INCOMPATIBILITY (MATERIAL TO AVOID): None known.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Carbon dioxide and carbon monoxide.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: No information available.

SECTION 12: ECOLOGICAL INFORMATION**ECOLOGICAL INFORMATION:** No information available.**SECTION 13: DISPOSAL CONSIDERATIONS****WASTE DISPOSAL METHOD:** Comply with federal, state and local regulations for disposal.**SECTION 14: TRANSPORTATION INFORMATION****DOT**

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

SECTION 15: REGULATORY INFORMATION**U.S. FEDERAL REGULATIONS****TSCA:** This product and its components are listed on the TSCA 8(b) inventory.**CERCLA:** None**SARA****311/312 HAZARD CATEGORIES:** Acute hazard.**313 REPORTABLE INGREDIENTS:** None**CALIFORNIA PROPOSITION 65:** Not applicable.

Other state regulations may apply. Check individual state requirements. The following components appear on one or more of the following state hazardous substances lists:

| Chemical Name | CAS # | CA | MA | MN | NJ | PA | RI |
|-----------------------------------|------------|-----|-----|-----|-----|-----|-----|
| Ethyldimethylmethane (Isopentane) | 78-78-4 | No | Yes | N/A | Yes | No | No |
| n-Pentane | 109-66-0 | Yes | Yes | Yes | Yes | Yes | Yes |
| Fibrous Glass (Fiberglass) | | No | No | N/A | No | No | No |
| Tris (monochloropropyl) Phosphate | 13674-84-5 | No | No | N/A | No | No | No |

SECTION 16: OTHER INFORMATION

ADDITIONAL COMMENTS: None.

DATE OF PREVIOUS SDS: Not Applicable.

CHANGES SINCE PREVIOUS SDS: New Product.

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee, expressed or implied, is made as to its accuracy, reliability, or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license of valid patents.