

MATERIAL SAFETY DATA SHEET

Date Issued: 11/16/2010
MSDS No: HO06-06-08a

Hondabond 4

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Hondabond 4
PRODUCT DESCRIPTION: Liquid Gasket
PRODUCT CODE: TB 1194

24 HR. EMERGENCY TELEPHONE NUMBERS





CHEMTREC (Domestic North America) :(800) 424 - 9300
CHEMTREC (International) :(703) 527 - 3887

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

| Health | Environmental | Physical |
|--|--|-------------------------------|
| Acute Toxicity (Oral), Category 5 Acute Toxicity (Dermal), Category 4 Acute Toxicity (Inhalation), Category 4 Skin corrosion/irritation, Category 2 Eye Irritation, Category 2A Skin Sensitization, Category 1 Carcinogenicity, Category 2 Reproductive Toxicity, Category 1B Target Organ Toxicity (Single exposure), Category 1 Target Organ Toxicity (Repeated exposure), Category 2 | Acute Hazards to the Aquatic Environment, Category 2 Chronic Hazards to the Aquatic Environment, Category 2 | Flammable Liquids, Category 3 |

GHS LABEL

| | |
|---|--|
|  Flame |  Environment |
| DANGER | DANGER |
| H226: Flammable liquid and vapour. | H401: Toxic to aquatic life. H411: Toxic to aquatic life with long lasting effects. |
|  Exclamation mark |  Health hazard |
| WARNING | DANGER |
| H303: May be harmful if swallowed. H312: Harmful in contact with skin. H332: Harmful if inhaled. H315: Causes skin irritation. H318: Causes serious eye damage. H317: May cause an allergic skin reaction. | H351: Suspected of causing cancer . H360: May damage fertility or the unborn child . H372: Causes damage to organs through prolonged or repeated exposure . H371: May cause damage to organs . H370: Causes damage to organs . |
| Precautionary statement(s) | |

Prevention:

P270: Do not eat, drink or smoke when using this product.

P102: Keep out of reach of children.

P233: Keep container tightly closed.

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: Flammable liquid.

POTENTIAL HEALTH EFFECTS

EYES: May cause eye irritation.

SKIN: May cause skin irritation.

INGESTION: May be harmful if swallowed.

INHALATION: May cause irritation to the nose, throat, respiratory tract, and mucous membranes.

3. COMPOSITION / INFORMATION ON INGREDIENTS

| Chemical Name | Wt. % | CAS | EINECS |
|-------------------------------|---------|-----------|-----------|
| Chlorosulfonated polyethylene | 45 - 55 | | |
| Xylene | 35 - 45 | 1330-20-7 | 215-535-7 |
| 2- Butoxyethanol | < 5 | 111-76-2 | - - |

4. FIRST AID MEASURES

EYES: Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Have eyes examined and tested by medical personnel.

SKIN: Immediately wash skin with soap and plenty of water. Remove contaminated clothing. Get medical attention if symptoms occur. Wash clothing before reuse.

INGESTION: Rinse mouth well with water. Never give an unconscious person anything to ingest. Do not induce vomiting unless directed to do so by medical personnel. Seek immediate medical attention.

INHALATION: Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: 30°C

AUTOIGNITION TEMPERATURE: > 200°C

FLAMMABLE CLASS: Flammable.

GENERAL HAZARD: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

EXTINGUISHING MEDIA:

SMALL FIRE: Use DRY chemical powder

LARGE FIRE: Use water spray, fog or foam. Do not use water jet.

FIRE FIGHTING PROCEDURES: Evacuate area and fight fire from a safe distance.

FIRE FIGHTING EQUIPMENT: Wear self contained breathing apparatus and protective clothing

HAZARDOUS DECOMPOSITION PRODUCTS: Dichloroethylene, chloroform, tetrachloroethylene, carbon dioxide, hydrochloric acid and tetrachloromethane

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Absorb with an inert material and place in an appropriate waste disposal container.

LARGE SPILL: Extinguish all sources of ignition. Wear proper protective equipment. Stop spill or leak at source. Use appropriate tools to put the spilled material in a waste container.

ENVIRONMENTAL PRECAUTIONS

WATER SPILL: Do not allow product flow into rivers and not to effect the environment

GENERAL PROCEDURES: Extinguish all sources of ignition.

RELEASE NOTES: Keep spilled material from entering storm drains, sewers, or other environmental mediums.

SPECIAL PROTECTIVE EQUIPMENT: Wear appropriate personal protective equipment.

COMMENTS: Disposal of clean-up materials may be governmentally regulated. Observe all applicable local, state, and federal waste management regulations.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Avoid contact with eyes, skin, and clothing. Use with adequate ventilation.

HANDLING: Avoid contact with eyes and skin. Wear appropriate personal protection. Wash thoroughly after handling.

STORAGE: Keep container closed when not in use. Store in a cool, dry, well-ventilated area. Store and use away from heat, sparks, open flames, or other ignition sources. Do not store in direct sunlight. Do not store under an oxygen-free environment. Prevent contamination by foreign materials. Do Not store at or below 32F because inhibitor can sepreate as a solid.

COMMENTS: Containers, even those that have been emptied, will retain product residue and vapors. Always obey hazard warnings and handle empty containers as if the were full. Don ot mix this product in other cleaning sgents. Minimal handling temperature should be maintained. Do not ingest.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES

| OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200) | | | | | |
|---|------|-----------------|-------------------|-----------|-------------------|
| | | EXPOSURE LIMITS | | | |
| | | OSHA PEL | | ACGIH TLV | |
| Chemical Name | | ppm | mg/m ³ | ppm | mg/m ³ |
| Xylene | TWA | 100 | 435 | 100 | NL |
| | STEL | NL | NL | 150 | NL |
| 2- Butoxyethanol | TWA | 50 | 240 | 20 | 97 |

ENGINEERING CONTROLS: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Use chemical splash goggles.

SKIN: Gloves (impervious).

RESPIRATORY: A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

PROTECTIVE CLOTHING: Chemically impervious clothing should be worn if potential for skin contact.

WORK HYGIENIC PRACTICES: Wash hands before eating, smoking, or using restroom. Food or beverages should not be consumed anywhere this product is handled or stored. Wash thoroughly after handling.

OTHER USE PRECAUTIONS: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

COLOR: Gray.

FLASHPOINT AND METHOD: 30°C

SOLUBILITY IN WATER: Insoluble

SPECIFIC GRAVITY: 1.250

10. STABILITY AND REACTIVITY

STABLE: Yes

STABILITY: Stable at room temperature in closed containers under normal storage and handling conditions.

CONDITIONS TO AVOID: Heat.

HAZARDOUS DECOMPOSITION PRODUCTS: Dichloroethylene, chloroform, tetachloroethylene, carbon dioxide, hydrochloric acid and tetrachloromethane

11. TOXICOLOGICAL INFORMATION

ACUTE

| Chemical Name | ORAL LD ₅₀ (rat) | DERMAL LD ₅₀ (rabbit) | INHALATION LC ₅₀ (rat) |
|------------------|--------------------------------|-------------------------------------|--------------------------------------|
| Xylene | 4300 Rat /mg/kg | > 1700 rabbit/ mg/kg | 5000 ppm |
| 2- Butoxyethanol | 470 Rat /mg/kg | 2000 rabbit/ mg/kg | 450 ppm |

NOTES: No data as product

CHRONIC: No data as product

CARCINOGENICITY

| Chemical Name | IARC Status | Other | General Toxicity |
|------------------|----------------|----------------------------|--|
| Xylene | 3 | ACGIH: A4 | |
| 2- Butoxyethanol | 3 | ACGIH: A3 EPA: C | Some evidence of carcinogenic activity was found in mice. |

IARC: Suspect cancer hazard.

IRRITATION: May cause irritation to the eyes and skin.

REPRODUCTIVE EFFECTS: Not yet Known

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: . One or more substances May have acute and hazardous effects to the aquatic environment

ECOTOXICOLOGICAL INFORMATION: No data as a product

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Waste must be disposed of in accordance with federal, state, and local environmental control regulations. Consult your licensed waste contractor for detailed recommendations.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Adhesives, *containing a flammable liquid*

TECHNICAL NAME: Xylene

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: 1133

PACKING GROUP: III

REPORTABLE QUANTITY (RQ) UNDER CERCLA: 100

OTHER SHIPPING INFORMATION: Handle in accordance with applicable laws and regulations

AIR (ICAO/IATA)

SHIPPING NAME: Adhesives, *containing a flammable liquid*

TECHNICAL NAME: Xylene

UN/NA NUMBER: 1133

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: III

VESSEL (IMO/IMDG)

SHIPPING NAME: Adhesives, *containing a flammable liquid*

TECHNICAL NAME: Xylene

UN/NA NUMBER: 1133

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: III

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: Yes

313 REPORTABLE INGREDIENTS: Some chemicals maybe found to be reportable ingredients

EPCRA SECTION 313 SUPPLIER NOTIFICATION

| Chemical Name | Wt.% | CAS |
|---------------|---------|-----------|
| Xylene | 35 - 45 | 1330-20-7 |

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

| Chemical Name | Wt.% | CERCLA RQ |
|---------------|---------|-----------|
| Xylene | 35 - 45 | 100 lbs. |

TSCA (TOXIC SUBSTANCE CONTROL ACT)

TSCA REGULATORY: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

STATES WITH SPECIAL REQUIREMENTS

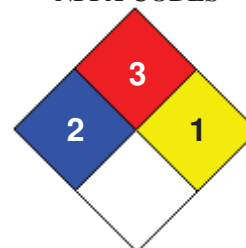
| Chemical Name | Requirements |
|------------------|---|
| Xylene | This product contains a component or components listed on the Massachusetts Right to Know list of hazardous substances. This product contains a component or components listed on the Michigan Critical Materials list. This product contains a component or components listed on the New Jersey Right to Know list of hazardous chemicals. This product contains a component or components listed on the Pennsylvania Right to Know list of hazardous substances. |
| 2- Butoxyethanol | This product contains a component or components listed on the Massachusetts Right to Know list of hazardous substances. This product contains a component or components listed on the Pennsylvania Right to Know list of hazardous substances. |

REGULATIONS

STATE REGULATIONS: Warning: In accordance with Prop 65, this product may contains a chemical(s) known to the State of California to cause cancer, birth defects and other reproductive harm.

16. OTHER INFORMATION**REVISION SUMMARY:** New MSDS**HMIS RATING**

| | | |
|-----------------------------|---|----------|
| HEALTH: | * | 2 |
| FLAMMABILITY: | | 3 |
| PHYSICAL HAZARD: | | 1 |
| PERSONAL PROTECTION: | | D |

NFPA CODES

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