

MATERIAL SAFETY DATA SHEET

ThreeBond

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MSDS No: 1214-03-05
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Revision No: 3

TB1211

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: TB1211

PRODUCT DESCRIPTION: Liquid gasket.

DISTRIBUTOR

ThreeBond International, Inc.
6184 Schumacher Park Drive
West Chester, OH 45069
Product Stewardship: (513) 779-7300

24 HR. EMERGENCY TELEPHONE NUMBERS


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

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health	Physical
Reproductive toxicity, Category 1A	Flammable liquids, Not classified

GHS LABEL

 <p>Health hazard</p>	
DANGER	
H360: May damage fertility or the unborn child	
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.	

POTENTIAL HEALTH EFFECTS

EYES: Direct eye contact and vapors may cause eye irritation.

SKIN: Direct contact with uncured product or its vapor may cause slight irritation to skin.

INGESTION: Not a likely route of entry. Substance may be harmful if swallowed.

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

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE TOXICITY: Overexposure to MEKO, a curing by-product, can cause drowsiness, blood and liver injury, and may irritate the nose and throat.

CHRONIC EFFECTS: MEKO- Methyl Ethyl Ketoxime (MEKO) is formed upon contact with water or humid air. Male rodents exposed to MEKO vapor throughout their lifetime developed liver cancer. Relevance to humans is uncertain.

SENSITIZATION: May cause sensitization.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS	EINECS
Organopolysiloxane mixture	80 - 100		
Silica, Amorphous, Fumed	10 - 20	112945-52-5	- -
Toluene	< 0.1	108-88-3	203-625-9

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

SKIN: Immediately remove product from skin with dry cloth or towel. 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. If signs or symptoms persist, seek medical attention.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: 140°C (284°F) Closed Cup

FLAMMABLE CLASS: Combustible

EXTINGUISHING MEDIA: Use dry chemical powder, alcohol foam, carbon dioxide, or water spray.

HAZARDOUS COMBUSTION PRODUCTS: Carbon oxides. Traces of incompletely burned carbon compounds. Silicon dioxide. Nitrogen oxides. Formaldehyde.

OTHER CONSIDERATIONS: Vapor may travel considerable distance to source of ignition and flash back.

FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

HAZARDOUS DECOMPOSITION PRODUCTS: Product generates MEKO upon contact with water or humid air.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Use appropriate tools to put the spilled solid in a waste disposal container.

LARGE SPILL: Extinguish all sources of ignition. Stop spill or leak at source. Dike if necessary. Absorb with an inert material and place in an appropriate waste disposal 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. Contact lens wearers take appropriate precaution. Empty containers may retain product residue and flammable vapors. Keep away from heat, sparks, and flame. Do not cut, puncture, or weld on or near the empty container.

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 lay container on its side.

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
Toluene	TWA	200	NL	20	NL
	STEL	C-300	NL	NL	NL

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

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Safety glasses. Wear splash goggles if the potential for splashing or spraying exist.

SKIN: Gloves (impervious).

RESPIRATORY: In case of insufficient ventilation, wear suitable respiratory equipment.

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.

COMMENTS: Product generates methyl ethyl ketoxime (MEKO) upon contact with water or humid air.

MEKO exposure limits: TWA, 3 ppm from Vendor Guide (United States)

AIHA TWA, 10 ppm, STEL, 10 ppm (Workplace Environmental Exposure Level, United States)

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Paste

ODOR: Oxime.

COLOR: White

FLASHPOINT AND METHOD: 140°C (284°F) Closed Cup

SOLUBILITY IN WATER: Slightly Soluble

SPECIFIC GRAVITY: 1.010

VISCOSITY #1: 70 Pa.s

10. STABILITY AND REACTIVITY

STABILITY: This product is stable under normal conditions.

POLYMERIZATION: Hazardous polymerization will not occur under normal conditions.

CONDITIONS TO AVOID: Contact with water, moisture, or humid air causes curing and MEKO vapors form gradually.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides. Traces of incompletely burned carbon products. Formaldehyde. Nitrogen oxides. Silicon oxides.

Product generates MEKO upon contact with water or humid air.

11. TOXICOLOGICAL INFORMATION**ACUTE**

Chemical Name	ORAL LD ₅₀ (rat)	INHALATION LC ₅₀ (rat)
Toluene	636 Rat /mg/kg	49000 mg/kg

NOTES: No data as product.

CHRONIC: No data as product.

CARCINOGENICITY

Chemical Name	IARC Status	Other
Toluene	3	ACGIH: A4

SENSITIZATION: May cause sensitization.

MUTAGENICITY: MEKO- Mutagenic and tumorigenic effects have been observed in tests with laboratory animals. Relevance to humans is unknown.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: One or more substances in this product 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: Not restricted by DOT.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: Yes **ACUTE:** Yes

313 REPORTABLE INGREDIENTS: No products were found above de minimis levels.

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt. %	CERCLA RQ
Toluene	< 0.1	1000 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.

TSCA STATUS: There are no ingredients in this product that are listed on the TSCA 12B list.

STATES WITH SPECIAL REQUIREMENTS

Chemical Name	Requirements
Toluene	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.

REGULATIONS

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

CALIFORNIA PROPOSITION 65

Chemical Name	Wt. %	Listed
Toluene	< 0.1	● Developmental Toxicity

16. OTHER INFORMATION

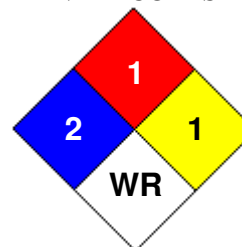
INFORMATION CONTACT: (513) 779-7300, Regulatory Department

REVISION SUMMARY: Revision #: 3. This MSDS replaces the April 13, 2011 MSDS., , , , , Any changes in information are as follows: In Section 2: Signs & Symptoms - InhalationIn Section 5: Flash Point °F (From), Flash Point °C (From)In Section 6: Water Spill, General Procedures, Special Protective EquipmentIn Section 7: General ProceduresIn Section 9: (Group Field) for Water SolubilityIn Section 12: Environmental DataIn Section 14: DOT Proper Shipping Name, DOT Technical Name, DOT Primary Hazard Class/Division, DOT UN/NA Number, DOT Packing GroupIn Section 16: HMIS Flammability, NFPA Flammability, NFPA Special

HMIS RATING

HEALTH:	*	2
FLAMMABILITY:		1
PHYSICAL HAZARD:		1
PERSONAL PROTECTION:		C

NFPA CODES



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