

# SAFETY DATA SHEET



Date Prepared : 11/10/2014  
SDS No : 0010-11-2014D US  
Date-Revised : 06/26/2015  
Revision No : 3

## ThreeBond1333B

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** ThreeBond1333B

**PRODUCT DESCRIPTION:** Anaerobic adhesive and sealant

**PRODUCT CODE:** ThreeBond1333B

#### MANUFACTURER

ThreeBond International, Inc.  
6184 Schumacher Park Drive  
West Chester, OH 45069  
**Emergency Phone:** (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:

Specific target organ toxicity after single exposure,, Category 3  
Eye Irritation, Category 2A  
Skin irritation, Category 2  
Skin sensitization, Category 3  
Carcinogenicity, Category 1B

##### Environmental:

Acute Hazards to the Aquatic Environment, Category 3  
Chronic Hazards to the Aquatic Environment, Category 3

#### GHS LABEL



Exclamation  
mark



Health  
hazard

**SIGNAL WORD:** DANGER

#### HAZARD STATEMENTS

H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness.

H319: Causes serious eye irritation.

H315: Causes skin irritation.

H350: May cause cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

H412: Harmful to aquatic life with long lasting effects.

**Precautionary statement(s)**

**Prevention:**

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
P271: Use only outdoors or in a well-ventilated area.  
P264[1]: Wash hands thoroughly after handling  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P201: Obtain special instructions before use.  
P202: Do not handle until all safety precautions have been read and understood.  
P273: Avoid release to the environment.

**Response:**

P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P312: Call a POISON CENTER/Doctor/Medical Professional if you feel unwell.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337+P313: If eye irritation persists: Get medical advice/attention.  
P302+P352: IF ON SKIN: Wash with plenty of water  
P321: Specific treatment (see Response on this label).  
P332+P313: If skin irritation occurs: Get medical advice/attention.  
P362+P364: Take off contaminated clothing and wash it before reuse.  
P308+P313: IF exposed or concerned: Get medical advice/ attention.

**Storage:**

P403+P233: Store in a well-ventilated place. Keep container tightly closed.  
P405: Store locked up.

**Disposal:**

P501: Dispose of contents/container to appropriate facility according to local regulations

**POTENTIAL HEALTH EFFECTS**

**EYES:** May cause eye irritation

**SKIN:** May cause skin irritation or sensitization.

**SKIN ABSORPTION:** May be harmful if absorbed through the 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.

**ROUTES OF ENTRY:** Eyes, skin, inhalation, ingestion or absorption

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

| Chemical Name                                                            | Wt. %   | CAS        |
|--------------------------------------------------------------------------|---------|------------|
| Ethoxylated bisphenol A dimethacrylate                                   | 70 - 80 | 41637-38-1 |
| Ethylene Glycol Dimethacrylate Esters                                    | 15 - 25 | 97-90-5    |
| Saccharin                                                                | < 1     | 81-07-2    |
| Peroxide, (1,1,4,4-tetramethyl-2-butyne-1,4-diyl)bis[(1,1-dimethylethyl) | < 1     | 1068-27-5  |
| 1,2,3,4-Tetrahydroquinoline                                              | 0.39    | 635-46-1   |
| 2-Hydroxyethyl methacrylate acid phosphate                               | < 0.05  | 52628-03-2 |
| 1-Dodecanethiol                                                          | < 0.1   | 112-55-0   |
| Dicyclohexyl phthalate                                                   | < 0.005 | 84-61-7    |

#### 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes, holding eyelid apart. Seek medical attention.

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

**INGESTION:** If swallowed, do NOT induce vomiting unless directed by medical personnel. Never give anything by mouth to unconscious person. Seek medical attention immediately.

**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.

#### SIGNS AND SYMPTOMS OF OVEREXPOSURE

**CHRONIC EFFECTS:** Cancer Hazard This material contains less than 2% Saccharin (CAS # 81-07-2) can cause cancer. Repeated use may result in irritation of mucous membrane and upper respiratory tract. Repeated or prolonged skin contact may cause sensitization.

#### 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** Non-flammable

**EXTINGUISHING MEDIA:** SMALL FIRE: Use DRY chemical powder.

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

**HAZARDOUS COMBUSTION PRODUCTS:** Acrid smoke - fumes, carbon monoxide, and carbon dioxide may be released during fire.

**EXPLOSION HAZARDS:** High temperatures, inhibitor depletion, UV light, or an oxygen-free environment can cause polymerization. Closed containers may rupture or explode during runaway polymerization.

**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:** Carbon dioxide.

#### 6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Absorb with dry sand, soil, sawdust, cloth, etc., then place in a sealable container.

**LARGE SPILL:** Dike and prevent overflow. Guide to a safe place then dispose properly.

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

#### 7. HANDLING AND STORAGE

**HANDLING:** Avoid contact with eyes and skin. This material is a potential skin sensitizer. Wear appropriate protective equipment. Use with adequate ventilation. Wash hands thoroughly with soap and water after handling.

**STORAGE:** Keep container closed when not in use. Store in a dry, cool, well-ventilated area. Do not store at or below 32°F because inhibitor can separate as a solid. Keep away from heat, sparks, open flames, strong oxidizers, radiation, and other initiators. Prevent contamination by foreign materials. Use only non-sparking tools and limit storage time.

#### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Adequate 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 exists.

**SKIN:** Gloves (impervious).

**RESPIRATORY:** In case of insufficient ventilation, wear NIOSH approved respiratory equipment when exposure limits are exceeded.

**PROTECTIVE CLOTHING:** Wear chemically impervious clothing, gloves, boots, aprons and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**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

**ODOR:** No information available

**ODOR THRESHOLD:** No information available

**APPEARANCE:** Liquid

**COLOR:** Red

**pH:** No information available

**FLASHPOINT AND METHOD:** Non-flammable

**FLAMMABLE LIMITS:** No information available

**AUTOIGNITION TEMPERATURE:** No information available

**VAPOR PRESSURE:** No information available

**VAPOR DENSITY:** No information available

**BOILING POINT:** No information available

**FREEZING POINT:** No data available. Contact Env. Dept.

**MELTING POINT:** No information available

**THERMAL DECOMPOSITION:** No information available

**SOLUBILITY IN WATER:** No information available

**EVAPORATION RATE:** No information available

**DENSITY:** No information available

**VISCOSITY #1:** ~ 100 to 375 mPa·s

**COEFF. OIL/WATER:** No information available

## 10. STABILITY AND REACTIVITY

**REACTIVITY:** No information available

**STABILITY:** Stable under normal handling

**CONDITIONS TO AVOID:** Avoid direct sunlight, oxidizing conditions, inert gas blanketing, and heat, UV radiation, Free radical initiators.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Acrid smoke, carbon dioxide, and carbon monoxide may be generated during a fire.

**INCOMPATIBLE MATERIALS:** Oxidizing Materials, direct sunlight, inert gas blanketing, UV radiation, strong oxidizers, free radical initiators, and inert gases.

11. TOXICOLOGICAL INFORMATION

CARCINOGENICITY

| Chemical Name | IARC Status |
|---------------|-------------|
| Saccharin     | 3           |

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Not available

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

AIR (ICAO/IATA): Not an IATA controlled material

VESSEL (IMO/IMDG): Not an IMDG controlled material.

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

EPCRA SECTION 313 SUPPLIER NOTIFICATION

| Chemical Name | Wt. % | CAS     |
|---------------|-------|---------|
| Saccharin     | < 1   | 81-07-2 |

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

| Chemical Name | Wt. % | CERCLA RQ |
|---------------|-------|-----------|
| Saccharin     | < 1   | 100       |

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: All ingredients are in compliance with the TSCA

## STATES WITH SPECIAL REQUIREMENTS

| Chemical Name | Requirements                                                                                                                                                                                                                                                                                                                                                                            |
|---------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Saccharin     | <p>This product contains a component or components listed on the Massachusetts Right to Know list of hazardous substances.</p> <p>This product contains a component or components listed on the New Jersey Right to Know list of hazardous chemicals.</p> <p>This product contains a component or components listed on the Pennsylvania Right to Know list of hazardous substances.</p> |

## 16. OTHER INFORMATION

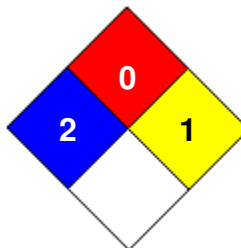
**PREPARED BY:** D JUDKINS    **Date-Revised:** 06/26/2015

**REVISION SUMMARY:** This MSDS replaces the 04/09/2015 MSDS. Revised: **Section 9:** AUTOIGNITION TEMPERATURE, BOILING POINT, COEFF. OIL/WATER, DENSITY, EVAPORATION RATE, FLAMMABLE LIMITS, FREEZING POINT, MELTING POINT, ODOR, ODOR THRESHOLD, pH, SOLUBILITY IN WATER, VAPOR DENSITY, VAPOR PRESSURE, THERMAL DECOMPOSITION. **Section 10:** STABLE.

## HMIS RATING

|                            |   |          |
|----------------------------|---|----------|
| <b>HEALTH</b>              | * | <b>2</b> |
| <b>FLAMMABILITY</b>        |   | <b>0</b> |
| <b>PHYSICAL HAZARD</b>     |   | <b>1</b> |
| <b>PERSONAL PROTECTION</b> |   | <b>C</b> |

## NFPA CODES



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