

# SAFETY DATA SHEET



Date Prepared : 09/15/2014  
SDS No : 0015-09-2014 (US)  
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Revision No : 3

## ThreeBond1303

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** ThreeBond1303  
**PRODUCT DESCRIPTION:** Anaerobic adhesive and sealant  
**PRODUCT CODE:** ThreeBond1303

#### 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:

Carcinogenicity, Category 1B  
Eye Irritation, Category 2A  
Skin Sensitization, Category 1  
Specific target organ toxicity after single exposure: Respiratory system, Category 3

#### GHS LABEL



Health  
hazard



Exclamation  
mark

#### SIGNAL WORD: DANGER

#### HAZARD STATEMENTS

H350: May cause cancer  
H319: Causes serious eye irritation.  
H317: May cause an allergic skin reaction.  
H335: May cause respiratory irritation.  
H336: May cause drowsiness or dizziness.

#### Precautionary statement(s)

##### Prevention:

P201: Obtain special instructions before use.  
P202: Do not handle until all safety precautions have been read and understood.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.  
P272: Contaminated work clothing should not be allowed out of the workplace.  
P271: Use only outdoors or in a well-ventilated area.  
P264: Wash hands thoroughly after handling.

##### Response:

P308+P313: IF exposed or concerned: Get medical advice/ attention.

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/...

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P321: Specific treatment (see Response on this label).

P362+P364: Take off contaminated clothing and wash it before reuse.

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.

**Storage:**

P405: Store locked up.

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

**Disposal:**

P501: Dispose of contents/container to appropriate facility in accordance with local regulations

**EMERGENCY OVERVIEW**

**PHYSICAL APPEARANCE:** Green liquid

**IMMEDIATE CONCERNS:** May cause irritation to the eyes, skin, and respiratory tract.

**POTENTIAL HEALTH EFFECTS**

**EYES:** May cause eye irritation

**SKIN:** May cause skin irritation

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

**INGESTION:** May be harmful if swallowed; Ingestion is an unlikely route of entry in industrial uses

**INHALATION:** May be harmful if inhaled.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

| Chemical Name                          | Wt. %   | CAS        |
|----------------------------------------|---------|------------|
| Ethoxylated bisphenol A dimethacrylate | 45 - 55 | 41637-38-1 |
| 2-Hydroxyethyl methacrylate            | 25 - 35 | 868-77-9   |
| 1,2,3,4-Tetrahydroquinoline            | 0.1 - 1 | 635-46-1   |
| Cumene Hydroperoxide                   | < 1     | 80-15-9    |
| 1-Dodecanethiol                        | < 0.2   | 112-55-0   |
| Saccharin                              | < 2     | 81-07-2    |

**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 (skin irritation or rash) 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:** In case of poisoning, remove victim to fresh air, calm down, keep warm then get medical advice, attention

**SIGNS AND SYMPTOMS OF OVEREXPOSURE**

**ACUTE EFFECTS:** No data as a product

**CHRONIC EFFECTS:** No data as a product

**5. FIRE FIGHTING MEASURES**

**GENERAL HAZARD:** May produce poisonous and irritating gasses upon fire.

**EXTINGUISHING MEDIA:** Dry powder, alcohol-resistant foam and carbon dioxide extinguisher, dry sand, and water spray.

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

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

## 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.

### ENVIRONMENTAL PRECAUTIONS

**WATER SPILL:** Do not allow product to flow into rivers or affect the environment

**GENERAL PROCEDURES:** All ignition sources should be quickly removed (No smoking in the vicinity, prohibit sparks or fire sources)

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

**SPECIAL PROTECTIVE EQUIPMENT:** Wear appropriate personal protection equipment to avoid contact to eyes, skin, and inhalation.

**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. Take precaution against fire.

**HANDLING:** Fire strictly prohibited. Wear appropriate personal protection equipment. Wash thoroughly after handling.

**STORAGE:** Protect from direct sunlight. Store the product at moderate temperature. Store in original container at room temperature.

**COMMENTS:** Containers, even those that have been emptied, will retain product residue and vapors. Always obey hazard warnings and handle empty containers as if they were full. Do not mix this product with other cleaning agents.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES

| OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200) |     |                 |                   |
|---------------------------------------------|-----|-----------------|-------------------|
|                                             |     | EXPOSURE LIMITS |                   |
|                                             |     | ACGIH TLV       |                   |
| Chemical Name                               |     | ppm             | mg/m <sup>3</sup> |
| 1-Dodecanethiol                             | TWA | 0.1 ppm         |                   |

**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:** Distinctive**ODOR THRESHOLD:** No information available**APPEARANCE:** Liquid**COLOR:** Green**pH:** No information available**FLASHPOINT AND METHOD:** > 94°C**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 information available**MELTING POINT:** No information available**THERMAL DECOMPOSITION:** No information available**SOLUBILITY IN WATER:** Partially Soluble**PARTITION COEFFICIENT: N-OCTANOL/WATER:** No information available**EVAPORATION RATE:** No information available**DENSITY:** No information available**VISCOSITY #1:** 100.0 to 150.0 mPa·s**10. STABILITY AND REACTIVITY****REACTIVITY:** No information available**STABILITY:** Stable under normal handling**CONDITIONS TO AVOID:** High temperatures during storage.**POSSIBILITY OF HAZARDOUS REACTIONS:** Reacts upon exposure to heat, metal, and absence of oxygen.**HAZARDOUS DECOMPOSITION PRODUCTS:** Incineration may produce poisonous gases (Carbon monoxide, NO<sub>x</sub>, Hydrocarbons, etc.) upon condition.**INCOMPATIBLE MATERIALS:** Metals.**11. TOXICOLOGICAL INFORMATION****ACUTE**

| Chemical Name   | ORAL LD <sub>50</sub><br>(rat) | DERMAL<br>LD <sub>50</sub> (rabbit) | INHALATION<br>LC <sub>50</sub> (rat) |
|-----------------|--------------------------------|-------------------------------------|--------------------------------------|
| 1-Dodecanethiol |                                | 2000 (rat)<br>mg/kg                 | > 7.04 mg/l, 4<br>hrs rat            |
| Saccharin       | 17000 mg/kg<br>(mouse)         |                                     |                                      |

**NOTES:** No data as a product**EYE EFFECTS:** Causes serious eye damage**SKIN EFFECTS:** May cause an allergic skin reaction**CHRONIC:** No data as a product**CARCINOGENICITY**

| Chemical Name | IARC<br>Status |
|---------------|----------------|
| Saccharin     | 3              |

**IARC:** Not Listed**NTP:** Not Listed**OSHA:** Not Listed

**12. ECOLOGICAL INFORMATION****ENVIRONMENTAL DATA:** No data as a product**ECOTOXICOLOGICAL INFORMATION:** No data as a product**BIOACCUMULATION/ACCUMULATION:** No data as a product**AQUATIC TOXICITY (ACUTE):** 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     | < 2   | 81-07-2 |

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

| Chemical Name | Wt. % | CERCLA RQ |
|---------------|-------|-----------|
| Saccharin     | < 2   | 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> |

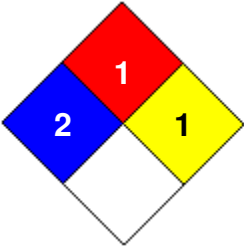
**16. OTHER INFORMATION****PREPARED BY:** D JUDKINS    **Date-Revised:** 06/26/2015

**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 THRESHOLD, pH, VAPOR DENSITY, VAPOR PRESSURE, THERMAL DECOMPOSITION. **Section 10:** STABLE.

HMIS RATING

|                     |   |   |
|---------------------|---|---|
| HEALTH              | * | 2 |
| FLAMMABILITY        |   | 1 |
| PHYSICAL HAZARD     |   | 1 |
| PERSONAL PROTECTION |   | B |

NFPA CODES



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