



To Our Customers:

The attached Safety Data Sheet (SDS) was prepared by the vendor of the product you purchased through one of our divisions. We used the manufacturer's electronic document directly or scanned a paper copy and generated a file for our automated SDS delivery system.

All statements, technical information, and recommendations contained therein are solely that of the manufacturer of the product. We at Zep Inc. did not verify the accuracy and completeness of the statements and do not warrant or guarantee the information. We provide vendor SDSs to assist our customers in their compliance efforts. The attached document is in compliance with one of the respective country regulatory requirements noted below:

The OSHA Hazard Communication Standard (in the United States)
The Hazardous Products Regulations (in Canada)

We made every effort to deliver all of the information prepared by the manufacturer. We cannot anticipate all conditions under which this information will be used. If you have any questions about the statements on the SDS, please contact the company shown on the document.

Zep Inc. assumes no liability or responsibility for loss or damage resulting from the improper use or handling of this product, from incompatible product combinations, or from the failure to follow instructions, warnings, and advisories in the manufacturer's product label and Safety Data Sheet.

Sincerely,

Product Stewardship Team
Zep Inc.

SAFETY DATA SHEET



Date Prepared: 10/25/2012
 SDS No: 0025-10-2012C
 Date-Revised: 04/08/2015
 Revision No: 5

ThreeBond1324

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ThreeBond1324
PRODUCT DESCRIPTION: Adhesive and sealant
PRODUCT CODE: ThreeBond1324

DISTRIBUTOR

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:**

Reproductive Toxicity, Category 1A
 Eye Irritation, Category 2A
 Skin irritation, Category 2

GHS LABEL

Health
hazard



Exclamation
mark

SIGNAL WORD: DANGER**HAZARD STATEMENTS**

H360: May damage fertility or the unborn child (state specific effect if known)(state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).
 H319: Causes serious eye irritation.
 H315: Causes skin irritation.

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.
 P264[1]: 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.

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P337+P313: If eye irritation persists: Get medical advice/attention.
 P302+P352: IF ON SKIN: Wash with plenty of soap and water.
 P321: Specific treatment (see First Aid on this label).
 P332+P313: If skin irritation occurs: Get medical advice/attention.
 P362+P364: Take off contaminated clothing and wash it before reuse.

Storage:

P405: Store locked up.

Disposal:

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

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Transparent red 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
Methacrylate ester	90 - 100	
Toluene	< 1	108-88-3

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, move victim to fresh air, calm down, keep warm then get medical advice and attention.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

ACUTE TOXICITY: No data as a product.

CHRONIC EFFECTS: No data as a product.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Non-flammable

GENERAL HAZARD: May produce poisonous and irritated gasses upon fire.

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

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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.

STORAGE TEMPERATURE: 10°C (50°F) minimum to 25°C (77°F) maximum

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			
		OSHA PEL		ACGIH TLV	
Chemical Name		ppm	mg/m ³	ppm	mg/m ³
Toluene	TWA	100 ppm		50 ppm	
	STEL	150 ppm	375 mg/m ³		

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 with side shields.

SKIN: Gloves (impervious).

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

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PROTECTIVE CLOTHING: Wear solvent resistant or other impervious gloves.

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

APPEARANCE: Liquid

COLOR: Transparent red

FLASHPOINT AND METHOD: Non-flammable

SOLUBILITY IN WATER: Slightly soluble in water

SPECIFIC GRAVITY: 1.13

VISCOSITY #1: 600 mPa·s

(VOC): < 3.300 %

10. STABILITY AND REACTIVITY

STABILITY: Reacts upon exposure to heat, metal and absence of oxygen.

CONDITIONS TO AVOID: Heat

POSSIBILITY OF HAZARDOUS REACTIONS: Reacts upon exposure to heat, metal and absence of oxygen.

HAZARDOUS DECOMPOSITION PRODUCTS: Incineration may produce poisonous gases upon condition (Carbon monoxide, low molecule organic compounds, etc.) upon conditions.

INCOMPATIBLE MATERIALS: Metals

11. TOXICOLOGICAL INFORMATION**ACUTE**

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Toluene	5580 rat (mg/kg)	12198 Rabbit/mg/kg	12500 to 28800 mg/m ³ (rat)

NOTES: No data as a product.

SKIN EFFECTS: No data as a product.

CHRONIC: No data as a product.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: No data as a product.

ECOTOXICOLOGICAL INFORMATION: No data as a product.

AQUATIC TOXICITY (ACUTE): No data as a product.

13. DISPOSAL CONSIDERATIONS

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

Chemical Name	Wt. %
Toluene	< 1

STATES WITH SPECIAL REQUIREMENTS

Chemical Name	Requirements
Toluene	<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 Michigan Critical Materials list.</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>

CALIFORNIA PROPOSITION 65: WARNING: This product contains chemicals known to the state of California to cause cancer and birth defects or other reproductive harm.

Chemical Name	Wt. %	Listed
Toluene	< 1	• Developmental Toxicity

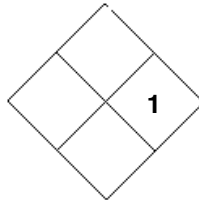
16. OTHER INFORMATION

PREPARED BY: D JUDKINS **Date-Revised:** 04/08/2015

REVISION SUMMARY: This MSDS replaces the 05/15/2014 MSDS. Revised: **Section 1:** PREPARED BY.

HMIS RATING

HEALTH	*	2
FLAMMABILITY		0
PHYSICAL HAZARD		1
PERSONAL PROTECTION		B

NFPA CODES

MANUFACTURER DISCLAIMER: To the best of our knowledge, the information contained herein is accurate.

However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.