SAFETY DATA SHEET

Date Issued : 7/8/2013
SDS No : 0008-07-2013 (JPN)
Date-Revised : 6/2/2014
Revision No : 3

ThreeBond1281

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: ThreeBond1281
PRODUCT DESCRIPTION: Adhesive and sealant
PRODUCT CODE: Threebond1281

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
Specific target organ toxicity after single exposure: (Nervous system), Category 2
Specific target organ toxicity after repeated exposure: (Nervous system, Spleen, Kidney), Category 2
Eye irritation, Category 2A
Skin irritation, Category 2

Environmental:

Acute Hazards to the Aquatic Environment, Category 2
Chronic Hazards to the Aquatic Environment, Category 2

Physical:

Flammable Solids, Category 3

GHS LABEL

Health hazard

Environment

Exclamation mark

SIGNAL WORD: DANGER

HAZARD STATEMENTS

H360: May damage fertility or the unborn child
H371: May cause damage to organs
H373: May cause damage to organs through prolonged or repeated exposure
H401: Toxic to aquatic life
H411: Toxic to aquatic life with long lasting effects
H320: Causes eye irritation

H315: Causes skin irritation

Precautionary statement(s)

Prevention:

P270: Do not eat, drink, or smoke when using this product
P233: Keep container tightly closed
P102: Keep out of reach of children
P280: Wear protective gloves/protective clothing/eye protection/face protection
P273: Avoid release to the environment
P285: In case of inadequate ventilation wear respiratory protection.
P210: Keep away from heat/sparks/open flames/hot surfaces; No smoking

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Red brown paste

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

TARGET ORGAN STATEMENT: Kidney(s), nervous system(s), and spleen.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Silicone resin	50 - 60	
Zinc carbonate	25 - 35	3486-35-9
Silica	5 - 15	
Iron oxide	< 5	1309-37-1
Toluene	1.6	108-88-3

COMMENTS: Methyl ethyl ketoxime (Cas#96-29-7): Cracked gas

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. Get medical attention. 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 TOXICITY: No data as a product

CHRONIC EFFECTS: No data as a product

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: Non-combustible (solid, gas)

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.

FIRE FIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus (SCBA) pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear. Use water spray to cool fire exposed surfaces and to protect personnel.

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/m³**	**ppm**	**mg/m³**
Toluene	**TWA**	100 ppm		20 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 with side shields.

SKIN: Gloves (impervious).

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

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: Paste

ODOR: Distinctive

APPEARANCE: Paste

COLOR: Reddish brown

FLASHPOINT AND METHOD: 60°C

SOLUBILITY IN WATER: Slightly soluble in water

SPECIFIC GRAVITY: 1.35

VISCOSITY #1: 100 Pa·s

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal handling

CONDITIONS TO AVOID: Intensive heating

POSSIBILITY OF HAZARDOUS REACTIONS: Reacts to air moisture, slowly generating methyl ethyl ketoxime.

HAZARDOUS DECOMPOSITION PRODUCTS: Incineration may produce poisonous gases upon condition (Carbon monoxide, etc,) upon conditions

INCOMPATIBLE MATERIALS: Strong oxidizer.

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/m3 (rat)

NOTES: No data as a product

SKIN EFFECTS: No data as a product

CARCINOGENICITY

Chemical Name	IARC Status	Other
Iron oxide	3	ACGIH: A4

12. ECOLOGICAL INFORMATION

ECOTOXICOLOGICAL INFORMATION: No data

Notes: 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

AIR (ICAO/IATA)

SHIPPING NAME: Environmentally hazardous substances, solid, n.o.s...

UN/NA NUMBER: UN3077

PRIMARY HAZARD CLASS/DIVISION: 9

PACKING GROUP: III

NOTE: Follows ICAO/IATA regulation

VESSEL (IMO/IMDG)

SHIPPING NAME: Environmentally hazardous substances, solid, n.o.s...

UN/NA NUMBER: UN3077

PRIMARY HAZARD CLASS/DIVISION: 9

PACKING GROUP: III

MARINE POLLUTANT #1: P

15. REGULATORY INFORMATION

UNITED STATES

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

Chemical Name	Wt.%	CERCLA RQ
Zinc carbonate	25 - 35	1,000
Toluene	1.6	

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
Zinc carbonate	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.
Iron oxide	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.
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.

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

Chemical Name	Wt.%	Listed
Toluene	1.6	• Developmental Toxicity

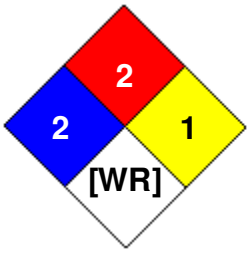
16. OTHER INFORMATION

REVISION SUMMARY: This MSDS replaces the 10/7/2013 MSDS. Revised: **Section 8:** PERSONAL PROTECTIVE EQUIPMENT (PROTECTIVE CLOTHING).

HMIS RATING

HEALTH	*	2
FLAMMABILITY		2
PHYSICAL HAZARD		1
PERSONAL PROTECTION		B

NFPA CODES



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