

MATERIAL SAFETY DATA SHEET

ThreeBond

Date Issued: 11/12/2010
MSDS No: 1502-07-02a

TB1501C

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: TB1501C

PRODUCT DESCRIPTION: Handgrip cement.

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	Environmental	Physical
Eye Irritation, Category 3 Carcinogenicity, Category 4 Respiratory Tract Irritation, Category 2B	Acute Hazards to the Aquatic Environment, Category 4	Flammable Liquids, Category 2

GHS LABEL

 Flame	 Health hazard
DANGER	DANGER
H225: Highly flammable liquid and vapour.	H320: Causes eye irritation. H315: Causes skin irritation. H303: May be harmful if swallowed. H350: May cause cancer . H335: May cause respiratory irritation. H319: Causes serious eye irritation.
Precautionary statement(s) Prevention: P270: Do no eat, drink or smoke when using this product. P233: Keep container tightly closed. P102: Keep out of reach of children.	

EMERGENCY OVERVIEW

IMMEDIATE CONCERNS: Flammable. Causes eye irritation. Irritating to the mucous membranes and respiratory tract.
Harmful if ingested. Possible cancer hazard.

POTENTIAL HEALTH EFFECTS

EYES: Causes eye irritation. May cause eye burns.

SKIN: May cause skin irritation. Symptoms include dryness and dermatitis.

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

INGESTION: Harmful if swallowed. Ingestion is an unlikely route of entry in industrial uses.

INHALATION: Irritating to the nose, throat and respiratory tract.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

INGESTION: Diarrhea. Headache. Nausea. Unconsciousness. Vomiting.

INHALATION: Dizziness. Drowsiness. Headache. Nausea. Unconsciousness.

ACUTE TOXICITY: May cause CNS depression.

MEDICAL CONDITIONS AGGRAVATED: Persons with the preexisting conditions of the following may be aggravated by exposure to this product: Lung. Skin.

WARNING CAUTION LABELS: Formaldehyde- Can be very destructive to the mucous membranes and upper respiratory tract, eyes, and skin.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS	EINECS
Methyl Ethyl Ketone	65 - 75	78-93-3	- -
Formaldehyde	< 0.2	50-00-0	200-001-8

4. FIRST AID MEASURES

EYES: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

SKIN: In case of contact, immediately wash skin with soap and water while removing contaminated clothing and shoes. Get medical attention immediately. Thoroughly wash or discard clothing and shoes before reuse.

INGESTION: Do not induce vomiting unless directed to do so by medical personnel. Never give an unconscious person anything to ingest. Get 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.

NOTES TO PHYSICIAN: Aspiration of liquid while vomiting may injure lungs seriously.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: -8.9°C (16°F) TCC

FLAMMABLE LIMITS: 1.4 to 11.4

FLAMMABLE CLASS: Flammable.

GENERAL HAZARD: Flammable liquid and vapor.

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

EXPLOSION HAZARDS: Vapors are heavier than air and can travel to a source of ignition and flash back. Container explosion may occur under fire conditions. Use water spray to cool fire exposed containers.

FIRE FIGHTING PROCEDURES: Evacuate area and fight fire from a safe distance.

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

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides. Hydrogen cyanide. Nitrous oxide. Phenols.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Eliminate all ignition sources. Absorb with an inert material and place in an appropriate 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. Use non-sparking tools.

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, skin, and clothing. Avoid prolonged or repeated exposure. Do not breathe vapor. Keep away from heat, sparks and flame. Ground and bond containers when transferring material. Use spark proof tools and explosion proof equipment. 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. Store away from oxidizing materials.

COMMENTS: 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.

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
Methyl Ethyl Ketone	TWA	200	590	200	590
	STEL			300	885
Formaldehyde	TWA	0.75			
	STEL	2			

ENGINEERING CONTROLS: Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

COLOR: Brown.

BOILING POINT: 79.4°C (175°F)

FLASHPOINT AND METHOD: -8.9°C (16°F) TCC

EVAPORATION RATE: Slower than ether.

SPECIFIC GRAVITY: 0.900

VISCOSITY #1: 4500 mPa. s

(VOC): 5.040 lb/gal

10. STABILITY AND REACTIVITY

STABILITY: This product is stable under normal conditions.

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Avoid ignition sources, excess heat, and direct sunlight.

POSSIBILITY OF HAZARDOUS REACTIONS: Strong oxidizing agents can cause spontaneous combustion.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon oxides. Hydrogen cyanide. Nitrous oxide. Phenols.

INCOMPATIBLE MATERIALS: Reducing agents. Strong oxidizing agents.

11. TOXICOLOGICAL INFORMATION

ACUTE

Chemical Name	ORAL LD ₅₀ (rat)	DERMAL LD ₅₀ (rabbit)	INHALATION LC ₅₀ (rat)
Methyl Ethyl Ketone	2737 Rat /mg/kg	6480 rabbit/ mg/kg	
Formaldehyde	100 Rat /mg/kg		203 mg/m ³

NOTES: No data as product

CHRONIC: No data as product

CARCINOGENICITY

Chemical Name	NTP Status	IARC Status	OSHA Status	Other
Formaldehyde	2	1	X	ACGIH: A2 EPA: B1

CORROSIVITY: Formaldehyde- Can be very destructive to the mucous membranes and upper respiratory tract, eyes, and skin.

REPRODUCTIVE EFFECTS: Formaldehyde- Overexposure to formaldehyde may cause reproductive disorder(s) based on tests with laboratory animals.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: . One or more substances May have acute and hazardous effects to the aquatic environment

ECOTOXICOLOGICAL INFORMATION: No data as a product

COMMENTS: 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: Adhesives, *containing a flammable liquid*

TECHNICAL NAME: Methyl Ethyl Ketone

PRIMARY HAZARD CLASS/DIVISION: 3

UN/NA NUMBER: UN1133

PACKING GROUP: II

REPORTABLE QUANTITY (RQ) UNDER CERCLA: 5000

OTHER SHIPPING INFORMATION: This product falls under the consumer commodity definition and may be shipped as ORM-D.

AIR (ICAO/IATA)

SHIPPING NAME: Adhesives, *containing a flammable liquid*

TECHNICAL NAME: Methyl Ethyl Ketone

UN/NA NUMBER: UN1133

PRIMARY HAZARD CLASS/DIVISION: 3

PACKING GROUP: II

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

FIRE: Yes **ACUTE:** Yes **CHRONIC:** Yes

313 REPORTABLE INGREDIENTS: Some products were found to be reportable ingredients

EPCRA SECTION 313 SUPPLIER NOTIFICATION

Chemical Name	Wt. %	CAS
Formaldehyde	< 0.2	50-00-0

CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: Methyl Ethyl Ketone

Chemical Name	Wt. %	CERCLA RQ
Methyl Ethyl Ketone	65 - 75	5,000 lbs.
Formaldehyde	< 0.2	100 lbs.

CERCLA RQ: 5000

TSCA (TOXIC SUBSTANCE CONTROL ACT)

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

CLEAN AIR ACT

Chemical Name	Wt. %	CAS
Formaldehyde	< 0.2	50-00-0

STATES WITH SPECIAL REQUIREMENTS

Chemical Name	Requirements
Methyl Ethyl Ketone	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 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.
Formaldehyde	This product contains a component or components listed on the New Jersey Right to Know list of hazardous chemicals.

REGULATIONS

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

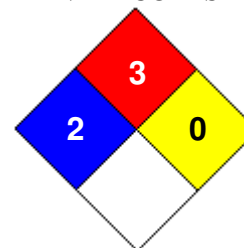
CALIFORNIA PROPOSITION 65

Chemical Name	Wt. %	Listed
Formaldehyde	< 0.2	Cancer

16. OTHER INFORMATION

REVISION SUMMARY: New MSDS**HMIS RATING**

HEALTH:	*	2
FLAMMABILITY:		3
PHYSICAL HAZARD:		0
PERSONAL PROTECTION:		

NFPA CODES

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