



To Our Customers:

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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 in accordance with the requirements of the OSHA Hazard Communication Standard in order to assist our customers in their compliance efforts. 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,

Compliance Services

Zep Inc.

# SAFETY DATA SHEET



Date Prepared : 04/28/2015

SDS No : 0028-04-2015 Toyota Super Cement

Date-Revised : 07/08/2016

Revision No : 3

## TOYOTA SUPER CEMENT

### 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** TOYOTA SUPER CEMENT

**PRODUCT DESCRIPTION:** Cyanoacrylate adhesive

**PRODUCT CODE:** 00295-1CM24, 00295-1CM00

#### 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:

Eye Irritation, Category 2A

Skin irritation, Category 2

Specific target organ toxicity after single exposure: Respiratory system, Category 3

##### Physical:

Combustible liquid, Category 4

#### GHS LABEL



Exclamation  
mark

**SIGNAL WORD:** WARNING

#### HAZARD STATEMENTS

H319: Causes serious eye irritation.

H315: Causes skin irritation.

H227: Combustible liquid.

H335: May cause respiratory irritation.

#### Precautionary statement(s)

##### Prevention:

P264: Wash Hands and Skin thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P271: Use only outdoors or in a well-ventilated area.

##### Response:

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.

## TOYOTA SUPER CEMENT

P302+P352: IF ON SKIN: Wash with plenty of water

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

P332+P313: If skin irritation occurs: Get medical advice/attention.

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

P370+P378: In case of fire: Use water to extinguish.

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:

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

### Disposal:

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

## POTENTIAL HEALTH EFFECTS

**EYES:** May cause eye irritation

**SKIN:** Bonds skin instantly. May cause sensitization.

**INGESTION:** May be harmful if swallowed

**INHALATION:** High concentrations or prolonged overexposure can cause: Asthma, bronchitis & other chronic lung conditions/upper respiratory tract .

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt. %	CAS
2-Ethyl cyanoacrylate	> 90	7085-85-0
Polymethyl methacrylate	1 - 5	9011-14-7
Bronopol	< 0.1	52-51-7
Buthylated hydroxyanisole	< 0.1	25013-16-5

## 4. FIRST AID MEASURES

**EYES:** Immediately flush eyes with plenty of water for at least 15 minutes. Do not attempt to pull apart bonded eyelid. Seek medical attention.

**SKIN:** Do not remove by force: while immersed in warm water gently rub affected skin with soap for at least 15 min then remove if possible without force. Get medical attention if irritation or ill effect develops or persist.

**INGESTION:** Do not induce vomiting. Saliva will cause cyanoacrylate to polymerize in mouth. If lips are bonded together, use warm water to gently separate the lips apart. Contact a physician.

**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:** Repeated use may result in irritation of mucus membrane and upper respiratory tract.

**NOTES TO PHYSICIAN:** Cured adhesive does not pose a health risk.

**ADDITIONAL INFORMATION:** Skin, lips, eyelids or other body parts bonded by cyanoacrylate are best separated by passive nonsurgical first aid. Generally warm water and gentle manipulation will break the cyanoacrylate bond.

## 5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** Combustible liquid

**GENERAL HAZARD:** This product is combustible.

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

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

**EXPLOSION HAZARDS:** None known.

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

## 6. ACCIDENTAL RELEASE MEASURES

## TOYOTA SUPER CEMENT

**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

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

**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 handling or clean-up of cyanoacrylate adhesive with cellulose fibers, such as cloth gloves, rags, paper towels, or clothing. A reaction containing cellulose fibers can cause smoke and fumes.

**HANDLING:** To avoid fire, minimize ignition sources. Avoid contact with eyes, skin, and clothing. In case of insufficient ventilation, wear suitable respiratory equipment. May react in presence of moisture. May react or be incompatible with alkalies. Wash thoroughly after handling.

**STORAGE:** Store in well-ventilated place. keep container tightly sealed.

**COMMENTS:** Rapid polymerization occurs upon contact with water or alkaline substances. As a result, heat is generated. Skin inflammation or burns may occur upon contact during this polymerization.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### EXPOSURE GUIDELINES

OSHA HAZARDOUS COMPONENTS (29 CFR1910.1200)				
EXPOSURE LIMITS				
Chemical Name	Type		ppm	mg/m <sup>3</sup>
2-Ethyl cyanoacrylate	OSHA PEL	TWA	[1]	[1]
	ACGIH TLV	TWA	0.2 ppm	
<b>OSHA TABLE COMMENTS:</b>				
1. Not Established				

**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:** Acrid

**ODOR THRESHOLD:** No information available

**APPEARANCE:** Transparent liquid

**COLOR:** Clear

## TOYOTA SUPER CEMENT

**pH:** No information available

**FLASHPOINT AND METHOD:** 83°C Closed Cup

**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:** Insoluble in cold water,

**PARTITION COEFFICIENT: N-OCTANOL/WATER:** No information available

**EVAPORATION RATE:** No information available

**DENSITY:** No information available

**SPECIFIC GRAVITY:** No information available

**VISCOSITY #1:** 40 to 75 mPa·s

### 10. STABILITY AND REACTIVITY

**REACTIVITY:** No information available

**HAZARDOUS POLYMERIZATION:** Yes, due to heat generated during polymerization.

**STABILITY:** Water will cause polymerization.

**CONDITIONS TO AVOID:** Can react with light or water.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon oxide, Nitrogen oxide

**INCOMPATIBLE MATERIALS:** Reactive with alkalis, oxidizing agents, and water.

### 11. TOXICOLOGICAL INFORMATION

#### ACUTE TOXICITY

Chemical Name	ORAL LD <sub>50</sub> (rat)	DERMAL LD <sub>50</sub> (rabbit)	INHALATION LC <sub>50</sub> (rat)
2-Ethyl cyanoacrylate	> 5000 rat - mouse (mg/kg)	> 2000 Rabbit/mg/kg	
Polymethyl methacrylate	> 5000 rat - mouse (mg/kg)	> 2000 Rabbit/mg/kg	
Bronopol	305 rat - mouse (mg/kg)	1600 (rat) mg/kg - subcutaneous	0.588 mg/l 4 hr (rat-male)

**DERMAL LD<sub>50</sub>:** > 2000 mg/kg (rat)

**ORAL LD<sub>50</sub>:** > 5000 mg/kg (rat)

**RESPIRATORY OR SKIN SENSITISATION:** Product may cause skin irritation or sensitization.

#### CARCINOGENICITY

**IARC:** Not Listed

**NTP:** Not listed

**OSHA:** Not Listed

### 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** No information available

**ECOTOXICOLOGICAL INFORMATION:** No data as a product

**BIOACCUMULATION/ACCUMULATION:** 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:** Combustible liquid n.o.s (2-Ethyl cyanoacrylate)

## TOYOTA SUPER CEMENT

**PRIMARY HAZARD CLASS/DIVISION:** Comb liq

**UN/NA NUMBER:** NA1993

**PACKING GROUP:** III

**SPECIAL SHIPPING NOTES:** This product is not intended to be transported in bulk.

**Transport in bulk according to Annex II of MARPOL 73/78 AND IBC CODE.**

### AIR (ICAO/IATA)

**SHIPPING NAME:** Aviation regulated liquid n.o.s. (2-Ethyl cyanoacrylate)

**UN/NA NUMBER:** UN3334

**PRIMARY HAZARD CLASS/DIVISION:** 9

**NOTE:** Follows ICAO/IATA regulation

### VESSEL (IMO/IMDG)

**SHIPPING NAME:** Aviation regulated liquid n.o.s. (2-Ethyl cyanoacrylate)

**UN/NA NUMBER:** UN1133

**PRIMARY HAZARD CLASS/DIVISION:** 9

**PACKING GROUP:** III

## 15. REGULATORY INFORMATION

### UNITED STATES

#### 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
Bronopol	This product contains a component or components listed on the New Jersey Right to Know list of hazardous chemicals.

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

Chemical Name	Wt. %	Listed
Butylated hydroxyanisole	< 0.1	Cancer

## 16. OTHER INFORMATION

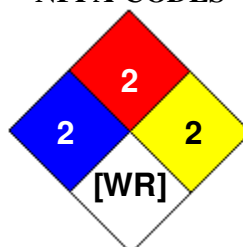
**PREPARED BY:** L. Jackson **Date-Revised:** 07/08/2016

**REVISION SUMMARY:** This MSDS replaces the 06/25/2015 MSDS. Revised: **Section 1:** SDS No, PREPARED BY, **Section 7:** STORAGE, STORAGE TEMPERATURE.

### HMIS RATING

HEALTH	*	2
FLAMMABILITY		2
PHYSICAL HAZARD		2
PERSONAL PROTECTION	C	

### NFPA CODES



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