

CAN DO  
TAPE

210-0012



# SAFETY DATA SHEET

## Section 1: Identification

**Product Name:** ST506 CLR  
Thermoplastic Polyurethane

**CAS Number:** Trade Secret

**Product Use:** Thermoplastic Adhesive

**Manufacturer:** Bemis Associates  
One Bemis Way  
Shirley, MA 01464

**Telephone (General):** 978-425-6761

**Telephone (Emergency):** CHEMTREC  
1-800-424-9300

## Section 2: Hazard Identification

### United States (US)

According to OSHA 29 CFR 1910.1200 HCS this mixture is not considered hazardous.

### GHS Classification of the Substance or Mixture:

Health	Environmental	Physical
OSHA HCS 2012 – Classification criteria not met	OSHA HCS 2012 – Classification criteria not met	OSHA HCS 2012 – Classification criteria not met

### Label Elements

OSHA HCS 2012 Does not require labeling

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Keep out of low areas. Keep unauthorized personnel away. Stay upwind. Ventilate closed spaces before entering.

#### **Containment/Clean Up Measures**

Allow product to cool if hot or molten, sweep or scrape into secure containers for disposal. Do not flush to sewer or waterways. Prevent release to the environment if possible.

### Section 7: Handling and Storage

#### **Handling**

Use appropriate personnel protective equipment. Practice good hygiene after handling. Have adequate ventilation. Do not get in eyes, on skin, or on clothing. Wash hands before eating, drinking, smoking. Remove contaminated clothing and clean before re-use.

#### **Storage**

Store in a cool dry place away from direct sunlight and sources of heat. Protect from physical damage.

### Section 8: Exposure Controls/Personal Protection

#### **Exposure Limits**

None

#### **Engineering Measures/Controls**

Thermal processing operations should be ventilated to control fumes which might be given off during processing. Local ventilation is recommended to control emissions near the sources.

#### **Personal Protective Equipment**

##### **Respiratory Protection**

None required in ventilated work areas. In case of insufficient ventilation around thermal processing operations wear NIOSH approved respiratory protection. A NIOSH approved respirator for organic vapors is generally acceptable for concentrations up to 10 times the PEL. For higher concentrations, unknown concentration, and oxygen deficient atmospheres use a NIOSH approved air-supplied respirator. Engineering controls are the preferred means for controlling chemical exposures. Respiratory protection may be needed for non-routine or emergency situations. Respiratory protection must be provided in accordance with OSHA 29 CFR 1910.134.

##### **Eye Protection**

Wear safety goggles or safety glasses with side shield during processing. Face shield can also be worn. Have eye wash stations available where eye contact can occur.

**Skin Protection**

Avoid skin contact. Wear gloves impervious to conditions of use. Gloves should be worn while handling. Additional protection may be necessary to prevent skin contact including use of apron, face shield, boots or full body protection. A safety shower should be located in the work area.

**Section 9: Physical and Chemical Properties**

Material Description	
Physical Form/Appearance	Solid
Odor	Negligible
Odor Threshold	
pH	Not established
Melting Point/Freezing Point	~85°C (185°F) adhesive layer; ~177°C (350°F) barrier layer
Initial Boiling Point/Boiling Range	
Specific Gravity	1.1-1.3
Flash Point	Not established
Evaporation Rate	
Flammability	
Upper Explosion Limit	Not established
Lower Explosion Limit	Not established
Vapor Pressure	Not applicable
Vapor Density	
Relative Density	
Solubility	Insoluble
Partition Coefficient	
Auto-ignition Temperature	
Decomposition Temperature	

**Section 10: Stability and Reactivity**

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**Chemical Stability** Stable

**Possibility of Hazardous Reactions**

Hazardous polymerization will not occur

**Conditions to Avoid**

Avoid prolonged exposure to elevated temperatures above 317°C

**Incompatible Materials**

None

**Hazardous Decomposition Products**

By fire and thermal decomposition: Carbon Dioxide, carbon monoxide, carbon, isocyanates, hydrogen cyanide, hydrocarbon oxidative products including organic acids, aldehydes and alcohols.

**Section 11: Toxicological Information**

Toxicological Effects	
GHS Properties	Classification
Acute Toxicity	OSHA HCS 2012 – Classification criteria not met
Aspiration Hazard	OSHA HCS 2012 – Classification criteria not met
Carcinogenicity	OSHA HCS 2012 – Classification criteria not met
Germ Cell Mutagenicity	OSHA HCS 2012 – Classification criteria not met
Respiratory sensitization	OSHA HCS 2012 – Classification criteria not met
Serious eye damage/irritation	OSHA HCS 2012 – Classification criteria not met
Skin corrosion/Irritation	OSHA HCS 2012 – Classification criteria not met
Skin sensitization	OSHA HCS 2012 – Classification criteria not met
TOST-RE	OSHA HCS 2012 – Classification criteria not met
TOST-SE	OSHA HCS 2012 – Classification criteria not met
Toxicity for Reproduction	OSHA HCS 2012 – Classification criteria not met

**Target Organs**

No known significant effects or critical hazards

**Routes of Exposure** Skin, eye, ingestion, inhalation

**Potential Health Effects**

Inhalation

**Acute** No information available

**Chronic** No information available

Skin

**Acute** Non irritating. Molten polymer will adhere to skin causing deep thermal burns

**Chronic** No known significant effects or critical hazards

Eye

**Acute** May cause physical abrasion in contact with eyes. Molten polymer will cause serious burns to the eyes.

**Chronic** No known significant effects or critical hazards

Ingestion

**Acute** Not hazardous in normal industrial use

**Chronic** No known significant effects or critical hazards

**Section 12: Ecological Information**

**Toxicity** Material data lacking

**Persistence and degradability** Material data lacking

**Bio accumulative Potential** Material data lacking

**Mobility in Soil** Material data lacking

**Other adverse effects** No studies have been found

**Other Information** No Information Available

**Section 13: Disposal Considerations**

**Waste Treatment Methods**

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**Product Waste** Dispose of content and/or container in accordance with local, regional, national, and/or international regulations

**Packaging Waste** Dispose of content and/or container in accordance with local, regional, national, and/or international regulations

**Section 14: Transport Information**

	UN Number	UN Proper Shipping Name	Transport hazard class	Packing Group	Environmental hazards
DOT	Not Regulated	Not Regulated	Not Regulated	Not Regulated	Not Regulated
TDG	Not Regulated	Not Regulated	Not Regulated	Not Regulated	Not Regulated
IMO/IMDG	Not Regulated	Not Regulated	Not Regulated	Not Regulated	Not Regulated
IATA/ICAO	Not Regulated	Not Regulated	Not Regulated	Not Regulated	Not Regulated

**Special Precautions for User** None Specified

**Section 15: Regulatory Information**

**Safety, Health, and Environmental regulations/legislation specific for the substance or mixture**

**United States - OSHA (29 CFR 1910.1200):** Placeholder

**Mexico - NOM-018-STPS-2000:** Refer to HMIS Rating in Section 16.

**Canada - WHMIS Classification (CPR, SOR/88-66):** Placeholder

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**International Inventories**

**TSCA**

Does not comply **DSL/NDSL**  
Does not comply **EINECS/ELINCS**  
Does not comply **ENCS**  
Does not comply **IECSC**  
Does not comply **KECL**  
Does not comply **PICCS**  
Does not comply **AICS**  
Does not comply **NZIoC**

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical

Substances **IECSC** - China Inventory of

Existing Chemical Substances **KECL** -

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Korean Existing and Evaluated Chemical  
Substances  
PICCS - Philippines Inventory of Chemicals and Chemical Substances  
AICS - Australian Inventory of Chemical Substances  
NZIoC - New Zealand Inventory of Chemicals

### **US Federal Regulations**

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### **SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden Release of Pressure Hazard</b>	No
<b>Reactive Hazard</b>	No

#### **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

#### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

### **US State Regulations**

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals

#### **U.S. State Right-to-Know Regulations**

MA Right to Know Substances List – This product does not contain any listed components

#### **U.S. EPA Label Information**

EPA Pesticide Registration Number Not Applicable

#### **TOSCA Section 12(b) Export Regulations**

Not Applicable

## Section 16: Other Information

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**Disclaimer/Statement of Liability**

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable, and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.