

# MSDS Document

## Product BOSS® 9183-2 Cyanoacrylate Rubber Adhesive

### 1. Chemical Product and Company Identification

**Trade Name of this Product** BOSS® 9183-2 Cyanoacrylate Rubber Adhesive

**Synonyms:** 04267CL09

**MSDS ID** BOSS9183-2

**Manufacturer**

Accumetric, LLC  
350 Ring Road  
Elizabethtown, KY 42701

**Phone Number**

(270) 769-3385

**Emergency Phone**

CHEMTREC (800) 424-9300

**Revision Date** 7/24/2012



Health:	2
Fire:	2
Reactivity:	1
Specific	

### 2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
Ethyl-2-Cyanoacrylate	7085-85-0	80% - 95%	0.2 ppm	None	
Poly Methyl Methacrylate	9011-14-7	5% - 10%			

### 3. Hazard Identification

**Primary Routes of Entry**

Inhalation

**Eye Contact**

Direct contact may cause moderate irritation.

**Skin Contact**

Skin contact may cause burns. Bonds rapidly and strongly to skin.

**Ingestion**

Estimated oral LD50 more than 5000 mg/kg.

### **Symptoms of Overexposure**

Vapor is irritating to eyes and mucous membranes above TLV. Prolonged and/or repeated overexposure to vapors may produce symptoms of non-allergic asthma in sensitive individuals.

### **Existing Conditions Aggravated by Exposure**

No known applicable information.

## **4. First Aid Information**

### **Inhalation**

Remove to fresh air. If symptoms persist, obtain appropriate medical attention.

### **Skin Adhesion**

First immerse the bonded surfaces in warm, soapy water. Peel off or roll the surfaces open with the end of a blunt edge, such as a spatula or a spoon handle, then remove adhesive with soap and water. Do not try to pull the surfaces apart with a direct opposing action.

### **Skin Contact**

Remove excess adhesive. Soak in warm, soapy water. The adhesive will come loose from the skin in several hours. Dried adhesive does not present a health hazard even when bonded to the skin. Avoid contact with clothes, fabrics, rags, or tissue. Contact with these materials may cause polymerization. The polymerization of large amounts of adhesive will generate heat causing smoke, skin burns, and strong, irritating vapors. Wear rubber or polyethylene gloves and an apron when handling large amounts of adhesive.

### **Eyelid adhesion**

In the event that eyelids are stuck together or bonded to the eyeball, wash thoroughly with warm water and apply a gauze patch. The eye will open without further action, typically in one to two days. There will be no residual damage. Do not try to pull the surfaces apart with a direct opposing action.

### **Adhesive in eye**

Adhesive introduced into the eyes will attach itself to the eye protein and will disassociate from it over intermittent periods, usually several hours. This will cause periods of weeping until clearance is achieved. It is important to understand that disassociation will normally occur within a matter of hours, even with gross contamination.

### **Mouth**

If lips are accidentally stuck together apply lots of warm water and encourage maximum wetting and pressure from saliva inside the mouth. Peel or roll lips apart. Do not try to pull the lips apart with direct opposing action. It is almost impossible to swallow cyanoacrylate. The adhesive solidifies and adheres in the mouth. Saliva will lift the adhesive in one to two days.

### **Burns**

Cyanoacrylate gives off heat on solidification. In rare cases, large drops will increase in temperature enough to cause a burn. Burns should be treated normally after the lump of cyanoacrylate is released from the tissue as described above.

### **Surgery**

It should never be necessary to use such drastic action to separate accidentally bonded skin.

## **5. Fire Fighting Measures**

**Flash Point** 150-200°F  
**FP Method** TCC

### **Extinguishing Media**

Carbon Dioxide, Dry Chemical, Foam

### **Special Fire Fighting Procedures**

Wear self-contained breathing apparatus.

### **Unusual Fire or Explosion Hazards**

Vapors exceeding the flash point will ignite when exposed to flame.

## **6. Accidental Release Measures**

### **Steps to be taken in case of spill or release**

Observe all personal protection equipment recommendations. Flood with water to polymerize. Soak up with inert absorbent. Dispose of saturated absorbent or cleaning materials appropriately. Local, state and federal regulations may apply to releases and disposal of this material, as well as those materials and items employed in cleanup of releases.

## **7. Handling and Storage**

### **Storage**

Store away from heat and direct sunlight to maximize shelf life. Store inside in a dry location.

### **Handling**

Keep container tightly closed. Avoid contact with skin. Avoid breathing vapors.

## **8. Exposure Controls and Personal Protection**

### **Skin Protection**

Polyethylene or non-reactive gloves. Do not use cotton, PVC or wool.

### **Eye Protection**

Safety goggles or glasses with side shields are recommended.

### **Ventilation**

Local exhaust ventilation is recommended to maintain vapor level below TLV.

### **Respiratory Protection**

No respiratory protection should be needed with good local ventilation.

**Note**

These precautions are for room temperature handling. Use at elevated temperatures or aerosol/spray applications may require added precautions. For further information regarding aerosol inhalation toxicity, please refer to the guidance document regarding the use of silicone-based materials in aerosol applications that has been developed by the silicone industry ([www.SEHSC.com](http://www.SEHSC.com)).

## 9. Physical and Chemical Properties

<b>Physical State</b>	Liquid
<b>Specific Gravity</b>	1.06
<b>Color/Appearance</b>	Clear
<b>Odor</b>	Sharp, pungent
<b>Boiling/Cond. Point</b>	Greater than 300°F
<b>Solubility</b>	Negligible
<b>Evaporation Rate</b>	Not applicable
<b>Vapor Density</b>	Approximately 3 (Air = 1)
<b>Vapor Pressure</b>	Less than 0.2 mm Hg @ 20°C

**Note**

The above information is not intended for use in preparing product specifications. Contact Accumetric LLC before writing specifications.

## 10. Stability and Reactivity

**Chemical Stability**

Stable

**Hazardous Polymerization**

Will not occur

**Conditions to Avoid**

None known

**Materials to Avoid / Incompatibility**

Polymerized by contact with water, alcohols, amines, and alkalis.

## 11. Toxicological Information

**Component Toxicology Information**

No known applicable information.

**Special Hazard Information on Components**

No known applicable information.

## 12. Ecological Information

**Environmental Fate and Distribution**

Complete information is not yet available.

**Environmental Effects**

Complete information is not yet available.

**Fate and Effects in Waste Water Treatment Plants**

Complete information is not yet available.

**13. Disposal Considerations**

**Waste Disposal Method**

We make no guarantee or warranty of any kind that the use or disposal of this product complies with all local, state, or federal laws. It is also the obligation of each user of the product mentioned herein to determine and comply with the requirements of all applicable statutes.

This product is not known to be regulated under RCRA regulations. Disposal of unused portions of this product and process waste containing this product should be done only after a careful evaluation and in compliance with all federal, local and state laws.

**14. Transportation Information**

**Voie terrestre DOT**

Pas assujetti au DOT

**Ocean Shipment (IMDG)**

Not subject to IMDG code.

**Air Shipment (IATA)**

Not subject to IATA regulations.

**15. Regulatory Information**

The contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**TSCA Status**

All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

**SARA Title III Section 302 Extremely Hazardous Substances**

None

**SARA Titre III Section 304 CERCLA Substances dangereuses**

None

**SARA Title III Section 312 Hazard Class**

Acute: Yes

Chronic: No

Fire: No

Pressure: No  
Reactive: No

**SARA Title III Section 313 Toxic Chemicals**

None present or none present in regulated quantities.

**California Proposition 65**

This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer, birth defects or other reproductive harm:

None known

**Massachusetts**

No ingredient regulated by MA Right-to-Know Law present.

**New Jersey**

None known

**Pennsylvania**

None known

**16. Other Information**

**Disclaimer**

The data contained herein is based upon information that Accumetric LLC believes to be reliable. Users of this product have the responsibility to determine that suitability of use and to adopt all necessary precautions to ensure the safety and protection of property and persons involved in said use. All statements or suggestions are made without warranty, expressed or implied, regarding the accuracy of the information, the hazards connected with the use of the material or the results to be obtained from the use thereof.