MSDS Document

Product BOSS® 101 Super Glue

1. Chemical Product and Company Identification

Trade Name of this Product BOSS® 101 Super Glue

Synonyms: BOSS Pool & Spa, Cyanoacrylate Adhesives, BOSS 101, 02221CL12, 10103

MSDS ID BOSS101

Manufacturer
Accumetric, LLC
350 Ring Road
Elizabethtown, KY 42701

Phone Number
(270) 769-3385
Emergency Phone
(800) 928-2677
Revision Date 6/2/2004

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%	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
None known.

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 throughly 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

Fire Fighting Measures
Wear self- contained breathing apparatus.

Unusual Fire or Explosion Hazards
Vapors exceeding the flash point will ignite when exposed to flame.

Hazardous Decomposition Products
Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products:
None known

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

Note
These precautions are for room temperature handling. Use at elevated temperatures or aerosol/spray applications may require added precautions.

Skin Protection
Polyethylene or non-reactive gloves. Do not use cotton 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.

9. Physical and Chemical Properties

Physical State	Liquid
Specific Gravity	1.06
Color/Appearance	Clear
Odor	Sharp, pungent
Boiling/Cond. Point	Greater than 300°F
Solubility	Negligible
Evaporation Rate	Not applicable
Vapor Density	Approximately 3 (Air = 1)
Vapor Pressure	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

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
Incinerate or dispose of in an approved landfill in accordance with local and EPA regulations. Not a RCRA hazardous waste.

14. Transportation Information

DOT Road Shipment Information (49 CFR 172.101)
Not subject to 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 in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

SARA Title III Section 302 Extremely Hazardous Substances
None

SARA Title III Section 304 CERCLA Hazardous Substances
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
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
None known

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 to 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.