




Safety Data Sheet

BOSS® 9103-2 Cyanoacrylate Plastic Adhesive

Section 1. Identification

Product Identifier	BOSS® 9103-2 Cyanoacrylate Plastic Adhesive		
Synonyms	91039; 91032		
Manufacturer Stock Numbers	04265CL09; 04265CL01		
Recommended use	Refer to Technical Information		
Uses advised against	Refer to Technical Information		
Manufacturer Contact			
Address	Soudal Accumetric 350 Ring Road Elizabethtown, KY, 42701 USA		
	Phone	Emergency Phone	Fax
	(270) 769-3385	(800) 424-9300 CHEMTREC	(270) 765-2412

Section 2. Hazards Identification

Classification	EYE DAMAGE/IRRITATION - Category 2A FLAMMABLE LIQUIDS - Category 4 SKIN CORROSION/IRRITATION - Category 2 SPECIFIC TARGET ORGAN TOXICITY (Single Exposure) - Category 3
Signal Word	Warning
Pictogram	

Hazard Statements	Causes serious eye irritation Causes skin irritation Combustible liquid May cause respiratory irritation.
Precautionary Statements Response	Call a poison center/doctor if you feel unwell. If eye irritation persists: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If inhaled: Remove person to fresh air and keep comfortable for breathing. If on skin: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. In case of fire: Use for extinction: CO2, powder or water spray. Read label before use. Take off contaminated clothing and wash it before reuse.
Prevention	Avoid breathing dust/fume/gas/mist/ vapors/spray. Keep away from heat. Use only outdoors or in a well-ventilated area. Wash hands thoroughly after handling. Wear eye protection/face protection. Wear protective gloves. Wear protective gloves/eye protection/face protection
Storage	Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.
Disposal	Dispose of contents/container in accordance with local/regional/national /international regulations.
Ingredients of unknown toxicity	0%
Hazards not Otherwise Classified	
Additional Information	None known

Section 3. Ingredients

CAS	Ingredient Name	Weight %
7085-85-0	Ethyl-2-Cyanoacrylate	50% - 100%

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First-Aid Measures

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,
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	even with gross contamination.
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.
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.
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.
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.
Inhalation	Remove to fresh air. If symptoms persist, obtain appropriate medical attention.
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.

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Carbon Dioxide, Dry Chemical, Foam
Unsuitable Extinguishing Media	None known
Hazardous Decomposition Products	Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: None known
Unusual Fire or Explosion Hazards	Vapors exceeding the flash point will ignite when exposed to flame.
Special Fire Fighting Procedures	Wear self- contained breathing apparatus.

Section 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
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those materials and items employed in cleanup of releases.

Section 7. Handling and Storage

Handling	Keep container tightly closed. Avoid contact with skin. Avoid breathing vapors.
Storage	Store away from heat and direct sunlight to maximize shelf life. Store inside in a dry location.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
	Ethyl-2-Cyanoacrylate	0.2 ppm	None	N/A
Personal Protective Equipment	Gloves, Apron			
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).			
Respiratory protection	No respiratory protection should be needed with good local ventilation.			
Ventilation	Local exhaust ventilation is recommended to maintain vapor level below TLV.			
Eye Protection	Safety goggles or glasses with side shields are recommended.			
Skin Protection	Polyethylene or non-reactive gloves. Do not use cotton, PVC or wool.			

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Clear
Odor	Characteristic
Odor Threshold	Not determined
Solubility	Not miscible
Partition coefficient Water/n-octanol	Not determined
VOC%	N/A
Viscosity	Not determined
Specific Gravity	1.05
Density lbs/Gal	87.62
Pounds per Cubic Foot	N/A
Flash Point	87C 189f
FP Method	N/A
Ph	Not determined

Melting Point	Undetermined
Boiling Point	>150C >302F
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	Not determined
Flammability	Not applicable
Decomposition Temperature	Not determined
Auto-ignition Temperature	Product is not selfigniting
Vapor Pressure	0.3 hPa @ 20C
Vapor Density	Not determined

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

Section 10. Stability and Reactivity

Materials to Avoid / Incompatibility Polymerized by contact with water, alcohols, amines, and alkalis.
Conditions to Avoid None known
Hazardous polymerization Will not occur
Chemical Stability Stable

Section 11. Toxicological Information

Special Hazard Information on Components No known applicable information.
Component Toxicology Information No known applicable information.

Section 12. Ecological Information

Fate and Effects in Waste Water Treatment Plants Complete information is not yet available.
Environmental Effects Complete information is not yet available.
Environmental Fate and Distribution Complete information is not yet available.

Section 13. Disposal

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.

Section 14. Transport Information

UN Number 1993
UN Proper Shipping Name Combustible Liquid, NOS
DOT Classification N/A
Packing Group III
Other Shipping Information Marine pollutant: No

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
Not applicable.

DOT Quantity limitations
On passenger aircraft/rail: 60 L
On cargo aircraft only: 220 L

Section 15. Regulatory Information

Carcinogenic Categories EPA (Environmental Protection Agency)
109-63-7 diethyl ether--boron trifluoride I (oral)

TLV (Threshold Limit Value established by ACGIH)
79-11-8 chloroacetic acid A4
123-31-9 1,4-dihydroxybenzene A3

NIOSH-Ca (National Institute for Occupational Safety and Health)
None of the ingredients is listed.

California Proposition 65 Chemicals known to cause cancer:
None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:
None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:
None of the ingredients is listed.

Chemicals known to cause developmental toxicity:
None of the ingredients is listed.

TSCA (Toxic Substances Control Act) All ingredients are listed.

SARA Title III Section 355 (extremely hazardous substances):
79-11-8 chloroacetic acid
123-31-9 1,4-dihydroxybenzene

Section 313 (Specific toxic chemical listings):
79-11-8 chloroacetic acid
123-31-9 1,4-dihydroxybenzene

Section 16. Other Information

Revision Date

12/22/2015

Disclaimer

The data contained herein is based upon information that Soudal Accumetric 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.