




Safety Data Sheet

BOSS® 9101, 91010 Cyanoacrylate Adhesive

Section 1. Identification

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| Product Identifier | BOSS® 9101, 91010 Cyanoacrylate Adhesive | | |
| Synonyms | 04239CL10 | | |
| Manufacturer Stock Numbers | 04239CL10 | | |
| 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

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| 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 |  |

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| 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 water. If skin irritation occurs: Get medical advice/attention. In case of fire: Use for extinction: CO2, powder or water spray. Specific treatment (refer to product label) 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 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 |

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| Section 3. Ingredients |
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| CAS | Ingredient Name | Weight % |
|-----------|-----------------------|------------|
| 7085-85-0 | Ethyl-2-Cyanoacrylate | 50% - 100% |

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

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| Section 4. First-Aid Measures |
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| Skin Contact | Soak in warm water. Do not pull skin apart. See supplemental section for emergency action. |
| Inhalation | Remove to fresh air. If symptoms persist, obtain appropriate medical attention. |

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| Ingestion | Ingestion is unlikely. See supplemental section for emergency action. |
| Eye Contact | Flush with warm water. If eyelids are bonded closed, release eyelashes with warm water by covering the eye with a wet pad. Do not force eye open. See supplemental section for emergency action. |
| First Aid Supplement | Cyanoacrylate adhesive is a very fast setting and strong adhesive. It bonds to human tissue and skin in seconds. Experience has shown that accidents due to Cyanoacrylates are best handled by passive, non-surgical first aid. Treatment of specific types of accidents are suggested as follows: |
| 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. |
| 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. |

Section 5. Fire Fighting Measures

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| Suitable Extinguishing Media | Carbon Dioxide, Dry Chemical, Foam |
| Unsuitable Extinguishing Media | None known |
| Unusual Fire or Explosion Hazards | None known |
| 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. Do not use cloths for clean up. Flood spilled material with water to polymerize. Cured material can be scrapped up and disposed of as nonhazardous waste. Make sure spill area is well ventilated.

Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable.

Section 7. Handling and Storage

Storage Store away from heat and direct sunlight to maximize shelf life. Store inside in a dry location. Keep container tightly closed.

Handling Avoid contact with skin, eyes and clothing. Avoid breathing vapor or mist. Avoid contact with paper goods or fabric. Contact with these materials may cause rapid polymerization which can generate smoke and strong irritating vapors.

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 | Goggles, Gloves | | | |
| 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. | | | |
| Ventilation | Local exhaust ventilation is recommended to maintain vapor level below TLV. | | | |
| Respiratory Protection | Not applicable with good local exhaust. Use NIOSH approved respirator if there is a potential to exceed exposure limits. | | | |

Section 9. Physical and Chemical Properties

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| Physical State | Liquid |
| Color | Colorless |
| Odor | Characteristic |
| Odor Threshold | Not determined |
| Solubility | Polymerized by water |
| Partition coefficient Water/n-octanol | Not determined |
| VOC% | < 20 g/L (estimated) |

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| Viscosity | Not determined |
| Specific Gravity | 1.05 |
| Density lbs/Gal | 8.762 |
| 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 self igniting |
| Vapor Pressure | 0.3 hPa |
| 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

Chemical stability Stable under recommended storage conditions.
Hazardous Polymerization Rapid exothermic polymerization will occur in the presence of water, amines, alkalis and alcohols.
Materials to Avoid / Incompatibility Polymerized by contact with water, alcohols, amines, and alkalis.

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 N/A
UN Proper Shipping Name Not subject to DOT regulations.
DOT Classification Not subject to DOT regulations.
Packing Group Not subject to DOT regulations.
Air Shipment (IATA) Not subject to IATA regulations.
Ocean Shipment (IMDG) Not subject to IMDG code.

Section 15. Regulatory Information

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 Title III Section 304 CERCLA Substances dangereuses None

SARA Title III Section 312 Hazard Class Acute: Yes
Chronic: Yes
Fire: Yes
Pressure: No
Reactive: Yes

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: Saccharin. Proper usage necessitates no Proposition 65 warning.

Massachusetts No ingredient regulated by MA Right-to-Know Law present.
New Jersey None known

Pennsylvania

None known

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.