



SAFETY DATA SHEET

BOSTIK BORN2BOND ULTRA GEL
Revision Number 3

Revision date 11-Mar-2020
Supersedes Date: 13-Feb-2020

1. Identification

1.1. Product Identifier

Product Name BOSTIK BORN2BOND ULTRA GEL

1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use This product is a cyanoacrylate-based adhesive. Restricted to professional users.
Uses advised against Consumer use

1.3. Details of the supplier of the safety data sheet

Responsible Party

Bostik Inc.
11320 W. Watertown Plank Road
Wauwatosa, Wisconsin 53226 USA
Phone: +1 (800) 843-0844 (Domestic Toll Free)
Phone: +1 (414) 774-2250 (International)
Fax: +1 (414) 774-8075

E-mail msds@bostik.com

1.4. Emergency telephone number

Telephone: 1-800-227-0332
(Outside U.S.) 1-703-527-3887

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Reproductive toxicity	Category 2
Flammable liquids	Category 4

2.2. Label Elements

EMERGENCY OVERVIEW

Warning

Hazard statements

Suspected of damaging fertility or the unborn child
Combustible liquid



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container or label.

Self-protection of the first aider Use personal protective equipment as required. Prevent skin contact.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

4.3. Indication of any immediate medical attention and special treatment needed

Note to physicians Skin which is glued or stuck together by accident should never be surgically removed. Even without any special treatment, it is only a matter of time until cyanoacrylate glues come off one's skin, eyes, or mouth, due to the effect of skin moisture, sweat, tears, or saliva. The effect can be supported by water and soap and/or use of fatty protective skin lotion or oil.

4.4. Reference to Other Sections

Reference to other sections Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION
Section 11: TOXICOLOGY INFORMATION

Section 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂). Alcohol resistant foam. Extinguishing powder. Water spray or fog.

Unsuitable extinguishing media

Strong water jet.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical

Combustible material. Thermal decomposition can lead to release of irritating and toxic gases and vapors. Carbon monoxide. Carbon dioxide (CO₂). Nitrogen oxides (NO_x).

Hazardous combustion products Carbon oxides. Nitrogen oxides (NO_x).

Explosion Data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

5.3. Advice for firefighters

Special protective actions for fire-fighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Remove all sources of ignition. Use personal protective equipment as required. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling.

6.2. Environmental precautions

Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not allow to enter

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into soil/subsoil. See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so. Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13).
Methods for cleaning up	Use personal protective equipment as required. Flush area with flooding quantities of water. Polymerization can occur. Let liquid material residues dry up and dispose of them as hardened adhesives/sealing agents. Prevent product from entering drains.

6.4. Reference to other sections

Reference to other sections	Section 7: HANDLING AND STORAGE Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION Section 13: DISPOSAL CONSIDERATIONS
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Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Advice on safe handling	Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Do not breathe dust/fume/gas/mist/vapors/spray. Ensure adequate ventilation, especially in confined areas. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling.
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7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions	Keep/store only in original container. Keep container tightly closed in a cool, well-ventilated place. Keep out of reach of children. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep from freezing. Protect from direct contact with water or excessive moisture. Reacts with water.
Incompatible materials	Water. Strong oxidizing agents. Strong reducing agents. Alkali. Alcohols. Amines.

7.3. Specific end use(s)

Specific Use(s)
This product is a cyanoacrylate-based adhesive.

Other information Observe technical data sheet.

7.4. References to Other Sections

Reference to other sections	Section 13: DISPOSAL CONSIDERATIONS Section 10: STABILITY AND REACTIVITY
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Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure Guidelines	This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
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8.2. Exposure controls

Engineering controls None under normal use conditions.

Personal protective equipment [PPE]

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and body protection Wear suitable chemically impervious gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers.

Respiratory protection If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General hygiene considerations Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing. Wash hands thoroughly after handling. Take off contaminated clothing and wash before reuse. Regular cleaning of equipment, work area and clothing is recommended.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state Liquid
Appearance Liquid
Color Colorless
Odor Odorless
Odor threshold Not applicable

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	No information available	No data available
Melting point / freezing point	No data available	
Boiling point / boiling range	> 130 - °C / 266 - °F	
Flash point	= 85 °C / 185 °F	
Evaporation rate	No information available	
Flammability (solid, gas)	Not applicable for liquids .	
Flammability Limit in Air		
Upper flammability or explosive limits	No information available	
Lower flammability or explosive limits	No information available	
Vapor pressure	No information available	
Vapor density	No information available	
Relative density	No information available	
Water solubility	Reacts with water	Polymerization can occur
Solubility in Other Solvents		
Partition coefficient	No information available	
Autoignition temperature	110 °C / 230 °F	
Decomposition temperature	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	No information available	
Explosive properties	No information available	
Oxidizing properties	No information available	

9.2. Other information

Softening Point No information available
Molecular weight No information available

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Solvent content (%) No information available
Solid content (%) No information available
Density No information available
VOC Content (%) 13 g/L / 3 %

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Product cures with moisture.

10.2. Chemical stability

Polymerization can occur. Do not expose to temperatures exceeding 25 °C/77 °F.

10.3. Possibility of hazardous reactions

Amines. Alcohols. Water. Strong oxidizing agents.

Hazardous polymerization Polymerization can occur.

10.4. Conditions to avoid

Extremes of temperature and direct sunlight. Keep away from heat, sparks and flames. Keep from freezing.

10.5. Incompatible materials

Water. Strong oxidizing agents. Strong reducing agents. Alkali. Alcohols. Amines.

10.6. Hazardous decomposition products

None known based on information supplied.

Section 11: TOXICOLOGY INFORMATION

11.1. Information on toxicological effects

Product Information
Inhalation No data available
Eye contact Based on available data, the classification criteria are not met. Bonds skin and eyes in seconds.
Skin contact Based on available data, the classification criteria are not met. Bonds skin and eyes in seconds.
Ingestion Based on available data, the classification criteria are not met.

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol 119-47-1	>10000 mg/kg (Rattus)	> 10000 mg/kg (Oryctolagus cuniculus)	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Symptoms No information available.
Skin corrosion/irritation No information available.
Serious eye damage/eye irritation No information available.
Irritation No information available.

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Corrosivity	No information available.
Sensitization	No information available.
Germ cell mutagenicity	No information available.
Reproductive toxicity	Product is or contains a chemical which is a known or suspected reproductive hazard.
Developmental toxicity	No information available.
Teratogenicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Chronic Toxicity	No information available.
Target organ effects	No information available.
Aspiration hazard	No information available.
Carcinogenicity	This product does not contain any carcinogens or potential carcinogens as listed by ACGIH, OSHA, IARC or NTP at or above 0.1 wt%.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Chemical name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
6,6'-di-tert-butyl-2,2'-methyl- enedi-p-cresol 119-47-1		LD50 (96h) >5mg/L		

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

There is no data for this product.

12.4. Mobility in soil

No information available.

Other adverse effects

No information available

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Disposal of Wastes It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations

Contaminated packaging Dispose of in accordance with federal, state and local regulations

Section 14: TRANSPORT INFORMATION

Note: The shipping descriptions shown here are for bulk shipments only, and may not apply to

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shipments made in non-bulk packages (see regulatory definition)
The information shown here, may not always agree with the bill of lading shipping description for the material
Keep from freezing
49 CFR 173.150(f)(2) "The requirements in this subchapter do not apply to a material classed as a combustible liquid in a non-bulk packaging unless the combustible liquid is a hazardous substance, a hazardous waste, or a marine pollutant."

DOT

UN/ID No NA1993
Proper Shipping Name Combustible liquid, n.o.s.
Hazard class Combustible liquid
Packing Group III
Special Provisions IB3, T1, TP1, 148
Description NA1993, Combustible liquid, n.o.s.(2-Propenoic acid, 2-cyano-, 2-methoxyethyl ester), III
Emergency Response Guide Number 128

IATA

UN number UN3334
Proper Shipping Name Aviation regulated liquid, n.o.s.
Transport hazard class(es) 9
Packing group III
ERG Code 9A
Special Provisions A27
Description UN3334, Aviation regulated liquid, n.o.s.(2-Propenoic acid, 2-cyano-, 2-methoxyethyl ester), 9, III

IMDG

Not regulated

Section 15: REGULATORY INFORMATION

Global Inventories

TSCA	Listed
DSL	Not Listed

Legend:

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

DSL - Canadian Domestic Substances List

Listed - The components of this product are either listed or exempt from listing on inventory.

Not Listed - One or more components of this product are not listed on inventory.

United States of America

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	CAS No.
2-Propenoic acid, 2-cyano-, 2-methoxyethyl ester	27816-23-5

SARA 311/312 Hazard Categories

Classification is shown in section 2 of this SDS

Europe

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Restrictions of Use of Hazardous Substances (RoHS) Directive 2011/65/EU

This product does not contain Lead (7439-92-1), Cadmium (7440-43-9), Mercury (7439-97-6), Hexavalent chromium (7440-47-3), Polybrominated biphenyls (PBB), and Polybrominated diphenyl ethers (PBDE) above the regulated limit mentioned in this regulation

SVHC: Substances of Very High Concern for Authorization:

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

Section 16: OTHER INFORMATION

Key or legend to abbreviations and acronyms used in the safety data sheet

No information available

Key Literature References and Sources for Data

No information available

Prepared By Product Safety & Regulatory Affairs

Revision date 11-Mar-2020

Revision note SDS sections updated, 1, 10, 11, 14.

Training Advice No information available

Further information No information available

Disclaimer

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End of Safety Data Sheet