

Manufacturer:

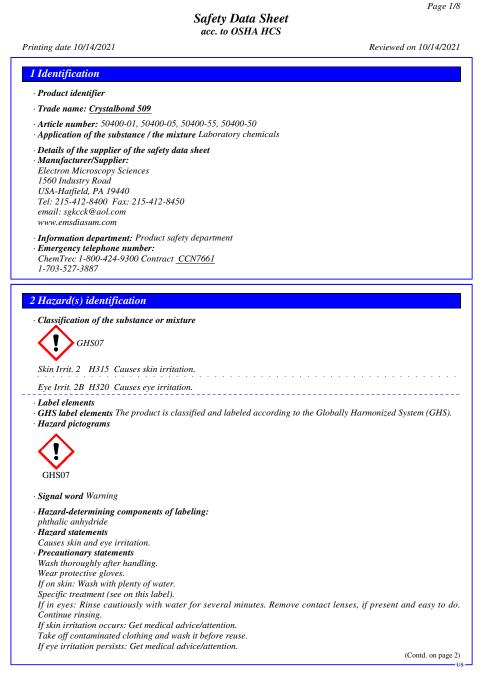
ÅngströmBond[®] Product Name:

ÅngströmBond® CrystalBond™ 509 Temporary Mounting and Bonding Amber Adhesive

Manufacturer Part Number:

509

Click here for more details on the ÅngströmBond® CrystalBond™ 509 Temporary Mounting and Bonding Amber Adhesive



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Contact the professionals at Fiber Optic Center for a quote or to get more details.





Manufacturer: ÅngströmBond®

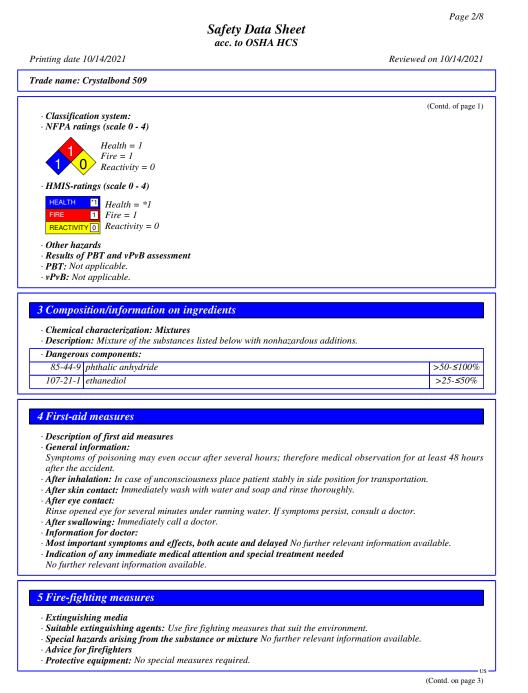
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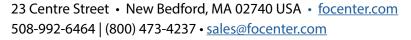
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Safety Data Sheet acc. to OSHA HCS			
nting date 10/14/2021	Reviewed on 10/14/2021		
ide name: Crystalbond 509			
	(Contd. of page 2)		
S Accidental release measures			
 Personal precautions, protective equipment and emergency procedures Not requi Environmental precautions: Do not allow to enter sewers/ surface or ground wate Methods and material for containment and cleaning up: Dispose contaminated material as waste according to item 13. Reference to other sections See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. 			
See Section 13 for disposal information. Protective Action Criteria for Chemicals			
PAC-1:			
85-44-9 phthalic anhydride	18 mg/m ³		
107-21-1 ethanediol	30 ppm		
PAC-2:			
85-44-9 phthalic anhydride	56 mg/m ³		
107-21-1 ethanediol	150 ppm		
- PAC-3:			
85-44-9 phthalic anhydride	10,000 mg/m ³		
107-21-1 ethanediol	900 ppm		
107-21-1 ethanediol Precautions and storage Handling: Precautions for safe handling No special precautions are necessary if used correct Information about protection against explosions and fires: No special measures of Conditions for safe storage, including any incompatibilities Storage: Requirements to be met by storerooms and receptacles: No special requirements. Information about storage in one common storage facility: Not required. Further information about storage conditions: Keep receptacle tightly sealed. Specific end use(s) No further relevant information available.	ctly.		
Handling and storage Handling: Precautions for safe handling No special precautions are necessary if used correction about protection against explosions and fires: No special measures in Conditions for safe storage, including any incompatibilities • Conditions for safe storage, including any incompatibilities • Storage: • Requirements to be met by storerooms and receptacles: No special requirements. • Information about storage in one common storage facility: Not required. • Further information about storage conditions: Keep receptacle tightly sealed.	ctly.		
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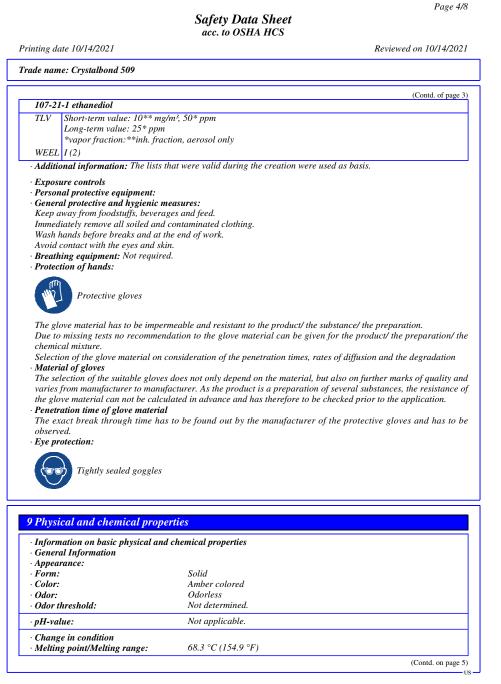
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	Safety Data Sheet acc. to OSHA HCS	Page 5/8
inting date 10/14/2021		Reviewed on 10/14/2021
ade name: Crystalbond 509		
		(Contd. of page 4)
· Boiling point/Boiling range:	>100 °C (>212 °F)	
· Flash point:	>263 °C (>505.4 °F)	
· Flammability (solid, gaseous):	Not determined.	
· Ignition temperature:	410 °C (770 °F)	
· Decomposition temperature:	Not determined.	
· Auto igniting:	Product is not selfigniting.	
Danger of explosion:	Product does not present an explosion hazard.	
· Explosion limits: · Lower: · Upper:	1.7 Vol % 53 Vol %	
· Vapor pressure at 20 °C (68 °F):	0.1 hPa	
· Density at 20 °C (68 °F): · Relative density · Vapor density · Evaporation rate	1.31 g/cm³ (10.93195 lbs/gal) Not determined. Not applicable. Not applicable.	
· Solubility in / Miscibility with · Water:	Insoluble.	
· Partition coefficient (n-octanol/wate	e r): Not determined.	
· Viscosity: · Dynamic: · Kinematic:	Not applicable. Not applicable.	
· Solvent content: · VOC content:	0.00 %	
· Solids content: · Other information	78.0 % No further relevant information available.	

10 Stability and reactivity

- · Reactivity No further relevant information available.
- · Chemical stability
- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · Possibility of hazardous reactions No dangerous reactions known.
- · Conditions to avoid No further relevant information available.
- · Incompatible materials: No further relevant information available.
- · Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:
- · LD/LC50 values that are relevant for classification:
- 85-44-9 phthalic anhydride
- Oral LD50 4,200 mg/kg (rat)

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(Contd. on page 6



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Page 6/8 Safety Data Sheet acc. to OSHA HCS Printing date 10/14/2021 Reviewed on 10/14/2021 Trade name: Crystalbond 509 (Contd. of page 5) 107-21-1 ethanediol Oral LD50 5,840 mg/kg (rat) Dermal LD50 9,530 mg/kg (rabbit) · Primary irritant effect: • on the skin: Irritant to skin and mucous membranes. • on the eye: Irritating effect. · Sensitization: No sensitizing effects known. · Additional toxicological information: The product shows the following dangers according to internally approved calculation methods for preparations: Harmful Irritant · Carcinogenic categories · IARC (International Agency for Research on Cancer) None of the ingredients is listed. · NTP (National Toxicology Program) None of the ingredients is listed. · OSHA-Ca (Occupational Safety Health Administration) None of the ingredients is listed. **12 Ecological information** · Toxicity · Aquatic toxicity: No further relevant information available. · Persistence and degradability No further relevant information available. · Behavior in environmental systems: · Bioaccumulative potential No further relevant information available. · Mobility in soil No further relevant information available. Additional ecological information: · General notes: Water hazard class 1 (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. · Results of PBT and vPvB assessment · PBT: Not applicable. · vPvB: Not applicable. · Other adverse effects No further relevant information available. **13 Disposal considerations** · Waste treatment methods · Recommendation: Must not be disposed of together with household garbage. Do not allow product to reach sewage system. · Uncleaned packagings: • **Recommendation:** Disposal must be made according to official regulations. US (Contd. on page 7)

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> Learn More



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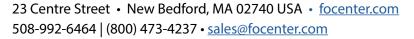
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inting date 10/14/2021	Reviewed on 10/14/2021
0	Reviewed 08 10/14/2021
ade name: Crystalbond 509	
	(Contd. of page 6)
4 Transport information	
	N-t-meli-able
Environmental hazards:	Not applicable.
 Special precautions for user Stowage Category 	Not applicable. A
• Transport in bulk according to Ann MARPOL73/78 and the IBC Code	e x II of Not applicable.
· Transport/Additional information:	
·DOT	
· Quantity limitations	On passenger aircraft/rail: 25 kg On cargo aircraft only: 100 kg
·IMDG	
• Limited quantities (LQ) • Excepted quantities (EQ)	5 kg Code: E1
· Excepted quantities (EQ)	Maximum net quantity per inner packaging: 30 g
	Maximum net quantity per outer packaging: 1000 g
5 Regulatory information	Void gulations/legislation specific for the substance or mixture
5 Regulatory information • Safety, health and environmental re • Sara	egulations/legislation specific for the substance or mixture
5 Regulatory information • Safety, health and environmental re • Sara • Section 355 (extremely hazardous si	egulations/legislation specific for the substance or mixture
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5 Regulatory information • Safety, health and environmental re • Sara • Section 355 (extremely hazardous si None of the ingredients is listed. • Section 313 (Specific toxic chemica All ingredients are listed. • TSCA (Toxic Substances Control Ac All components have the value ACTI • Hazardous Air Pollutants All ingredients are listed. • Proposition 65 • Chemicals known to cause cancer: None of the ingredients is listed.	egulations/legislation specific for the substance or mixture ubstances): 1 listings): ct): VE.
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	ata Sheet
acc. to OS Printing date 10/14/2021	Reviewed on 10/14/2021
Trade name: Crystalbond 509	
• TLV (Threshold Limit Value established by ACGIH)	(Contd. of page 7)
All components have the value A4.	
· NIOSH-Ca (National Institute for Occupational Safet	n and Health)
None of the ingredients is listed.	y unu meuun)
	ed according to the Globally Harmonized System (GHS).
· Hazard pictograms	
\wedge	
\mathbf{v}	
GHS07	
· Signal word Warning	
· Hazard-determining components of labeling:	
phthalic anhydride	
• Hazard statements Causes skin and eye irritation.	
· Precautionary statements	
Wash thoroughly after handling.	
Wear protective gloves. If on skin: Wash with plenty of water.	
Specific treatment (see on this label).	
If in eyes: Rinse cautiously with water for several m	inutes. Remove contact lenses, if present and easy to do.
Continue rinsing.	
If skin irritation occurs: Get medical advice/attention.	e.
	e.
If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reus	
If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reus If eye irritation persists: Get medical advice/attention.	
If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reus If eye irritation persists: Get medical advice/attention. Chemical safety assessment: A Chemical Safety Assess 16 Other information	ment has not been carried out.
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Contact the professionals at Fiber Optic Center for a quote or to get more details.

