


SAFETY DATA SHEET (SDS)

SECTION I - PRODUCT/COMPANY IDENTIFICATION

REF 310270 CONNEXIO SELF-ETCH BOND, PART A AND B
Application: Two-part, self-etching bonding liquid for dental bonding
Company: CENTRIX, INC., 770 River Road, Shelton, CT 06484
Toll-Free: 800-235-5862 (USA & Canada)

SECTION II - COMPOSITION/DATA ON COMPONENTS

Designation of Risk: Xi, irritant 
Special Details of Risk (R-categories): 36-38
Detrimental effects/symptoms: Irritant in case of eye, skin and inhalation contact. Harmful if swallowed. May cause sensitization by skin contact.

PART A: HAZARD CLASSIFICATION: Corrosive
NFPA ratings (scale 0 - 4) Health = 2 Fire = 0 Reactivity = 0
HMIS-ratings (scale 0 - 4) Health = 2 Fire = 0 Reactivity = 0
PART B: HAZARD CLASSIFICATION: Flammable
NFPA ratings (scale 0 - 4) Health = 0 Fire = 3 Reactivity = 0
HMIS-ratings (scale 0 - 4) Health = 0 Fire = 3 Reactivity = 0

SECTION III - COMPOSITION/DATA ON COMPONENTS

PART B Description: Mixture of the substances listed below with nonhazardous additions.

Components:	%	CAS NO.
Acidic adhesive monomer	50-100%	1565-94-2
BIS-GMA	5-10%	868-77-92
hydroxyethyl methacrylate	5-10%	112813-65-7

PART B

Description: Mixture of the substances listed below with nonhazardous additions.

Components:	%	CAS NO.
ethanol	50-100%	64-17-5
Initiator	2.5-5%	- - -

Exact % content withheld due to trade secret restrictions.

SECTION IV - FIRST AID MEASURES (APPLIES TO BOTH PART A AND B)

Eye Contact: Flush immediately with plenty of water.
Consult a physician if irritation persists
Skin Contact: Wash with plenty of water and soap.
Ingestion: Consult a physician.
Inhalation: Supply fresh air; consult doctor in case of complaints.

SECTION V - FIRE-FIGHTING MEASURES (APPLIES TO BOTH PART A AND B)

Suitable Extinguishing Media: Foam, dry powder, carbon dioxide, water spray
Unusual fire and explosion hazards: None
Specific intervention methods: Appropriate protective equipment must be worn in case of fire.
PART B ONLY: For safety reasons unsuitable extinguishing agents: Water with full jet

SECTION VI - ACCIDENTAL RELEASE MEASURES (APPLIES TO BOTH PART A AND B)

Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.
Measures for environmental protection: Do not allow to enter sewers/ surface or ground water.
Dilute with plenty of water.
Measures for cleaning/collecting:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Use neutralizing agent. **PART A ONLY:** Ensure adequate ventilation.

SECTION VII - HANDLING AND STORAGE (PART A AND B)

Handling
Information for safe handling: For dental use only. Protect against electrostatic charges.
PART B ONLY: Keep ignition sources away - Do not smoke. No special measures required.
Storage
Keep receptacle tightly sealed.

SECTION VIII - EXPOSURE CONTROLS / PERSONAL PROTECTION

PART A:
Additional information about design of technical systems: No further data; see item 7.
Components with limit values that require monitoring at the workplace:
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
Personal protective equipment: General protective and hygienic measures:
Keep away from foodstuffs, beverages and feed.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
Breathing equipment: Not required.
Protection of hands: Protective gloves
Eye protection: Safety glasses

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

PART A:
Form: Fluid Color: Colorless Odor: Characteristic
Flash point: Not applicable.
Density at 20°C (68°F): 1.2 g/cm³
Solubility in / Miscibility with Water: Partly miscible.
pH-value at 20°C (68°F): 1.5

PART B:
Form: Fluid Color: Colorless Odor: Characteristic
Change in condition
Flash point: 21°C (70°F)
Auto igniting: Product is not selfigniting.
Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.
Density at 20°C (68°F): 0.87 g/cm³
Solubility in / Miscibility with Water: Fully miscible.
Components with limit values that require monitoring at the workplace:
64-17-5 ethanol
PEL 1900 mg/m³, 1000 ppm
REL 1900 mg/m³, 1000 ppm
TLV Short-term value: 1880 mg/m³, 1000 ppm
Other Data: Not available or none.

SECTION X - STABILITY AND REACTIVITY (APPLIES TO BOTH PART A AND B)
No dangerous reactions or decomposition products known.

SECTION XI - TOXICOLOGICAL INFORMATION

PART A:
Acute toxicity:
LD/LC50 values that are relevant for classification: Acidic adhesive monomer
Oral LD50 > 2000 mg/kg (rat)
Primary irritant effect on the skin: Irritant to skin and mucous membranes.
Primary irritant effect on the eye: Irritating effect.
Additional toxicological information: The product shows the following dangers according to internally approved calculation methods for preparations: Corrosive
PART B:
Acute toxicity:
Primary irritant effect on the skin or eyes: No irritant effect.
Sensitization: No sensitizing effects known.

SECTION XII - ECOLOGICAL INFORMATION (APPLIES TO BOTH LIQUIDS A AND B)

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.

SECTION XIII - DISPOSAL CONSIDERATIONS (APPLIES TO BOTH LIQUIDS A AND B)

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. Dispose in accordance with federal, state and local regulations

SECTION XIV - TRANSPORT INFORMATION

PART A: DOT regulations: Label 8
PART B:
DOT regulations
Hazard class: 3 Identification number: UN1170
Packing group: II Proper shipping name (technical name): ETHANOL, mixture
Label 3
Land transport ADR/RID (cross-border):
ADR/RID class: 3 Flammable liquids Danger code (Kemler): 33
UN-Number: 1170 Packaging group: II
Label: 3
Description of goods: 1170 ETHANOL (ETHYL ALCOHOL), mixture
Maritime transport IMDG:
IMDG Class: 3 UN Number: 1170 Label 3
Packing group: II EMS Number: F-E,S-D Marine pollutant: No
Proper shipping name: ETHANOL (ETHYL ALCOHOL), mixture
Air transport ICAO-TI and IATA-DGR:
ICAO/IATA Class: 3 UN/ID Number: 1170
Label 3 Packaging group: II
Proper shipping name: ETHANOL, mixture

SECTION XV - REGULATORY INFORMATION

Sara: Sections 315, 355: none of the ingredients are listed.
TSCA: all of the ingredients are listed
Proposition 65: none of the ingredients are listed
Canadian Ingredient Disclosure list (limit 1%) 868-77-9 2-hydroxyethyl methacrylate (PART A)
Product related hazard information: The product has been classified and marked in accordance with directives on hazardous materials.
Hazard symbols PART A: Corrosive
Hazard symbols PART B: Flammable
Hazard-determining components of labelling: 2-hydroxyethyl methacrylate, Acidic adhesive monomer (PART A)
Risk phrases: Causes burns (PART A) Risk phrases: Flammable (PART B)
May cause sensitization by skin contact (PART A)
Safety phrases: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of water. Wear suitable gloves and eye/face protection.
Keep away from sources of ignition - No smoking (PART B)

SECTION XVI - OTHER INFORMATION

Product handling exclusively by dental specialists per instructions for use.

PRODUCT FOR PROFESSIONAL USE ONLY.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.
Department issuing MSDS: Scientific departement
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