

SECTION I - PRODUCT/ COMPANY IDENTIFICATION

REF 310270 CONNEXIO™ SELF-ETCH BOND, PART A AND B

Company: CENTRIX, INC., 770 River Road, Shelton, CT 06484 Toll-Free: 800-235-5862 (USA & Canada)

SECTION II - COMPOSITION/DATA ON COMPONENTS

PART A

Chemical characterization

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

Dangerous components:

	Acidic adhesive monomer	50-100%
1565-94-2	BIS-GMA	5-10%
868-77-9	2-hydroxyethyl methacrylate	5-10%

PART B

Chemical characterization

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

Dangerous components:

64-17-5	ethanol	50-100%
	Initiator	2.5-5%

SECTION III - HAZARDS IDENTIFICATION (APPLIES TO BOTH PART A AND B)

PART A: HAZARD CLASSIFICATION: Corrosive

Information pertaining to particular dangers for man and environment:

The product has to be labelled due to the calculation procedure of international guidelines.

Causes burns. May cause sensitization by skin contact.

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

Information pertaining to particular dangers for man and environment:

The product has to be labelled due to the calculation procedure of international guidelines.

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

NFPA ratings (scale 0 - 4) Health = 0 Fire = 3 Reactivity = 0

HMIS-ratings (scale 0 - 4) Health = 0 Fire = 3 Reactivity = 0

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

PART B:

Additional information about design of technical systems: No further data; see item 7.

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

Additional information: The lists that were valid

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.

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 Packaging group: II
EMS Number: F-E,S-D Marine pollutant: No
Propper 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
Propper shipping name: ETHANOL, mixture

SECTION XV - REGULATORY INFORMATION

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All ingredients are listed. Contact IDENTA for more information

Canadian Ingredient Disclosure list (limit 1%) 868-77-9 2-hydroxyethyl methacrylate (PART A)

Product related hazard informations: 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

None.

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.

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