

**SECTION 1 : Identification of the substance/preparation and of the company / undertaking**

**(a) GHS product identifier**

Phyx-It Base

**(e) Emergency phone number**

CHEMTREC 1-800-424-9300  
CCN9105

**(b) Other means of identification**

N/A

**(c) Recommended use of the chemical and restrictions on use**

For professional dental applications.

**(d) Supplier's details**

Garreco, LLC.  
430 Hiram Road  
Heber Springs, AR 72543  
Phone: 1-800-334-1443

**SECTION 2: Hazards identification**

**(a) GHS classification of the substance/mixture**

**Substance Name**

Ethyl-2 Cyanoacrylate  
CBI

**(b) Label Elements**

**Hazard statements**

Causes serious eye irritation  
May cause respiratory irritation

**Precautionary statements**

**IF INHALED:** Remove person to fresh air and keep comfortable for breathing.  
**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continue rinsing.  
Call a doctor if you feel unwell.  
If eye irritation persists: Get medical advice.  
Wash hands thoroughly after handling.  
Wear eye protection/face protection.  
Avoid breathing mist.  
Use only outdoors or in a well-ventilated area.  
Store in a well-ventilated place. Keep container tightly closed.  
Store locked up.  
Dispose of container in accordance with local regulations

**Hazard Symbol(s)**

Exclamation Mark

**Signal Word(s)**

Warning

**(c) Other hazards which do not result in classification**

If ingested: Lips may be stuck together. Apply large amounts of warm water and encourage wetting pressure from saliva inside the mouth. Seek medical attention.

**SECTION 3: Composition/information on ingredients**

**(a) Chemical(s) Identity:**

**(b) Common Name:**

Ethyl-2 Cyanoacrylate  
CBI

**(c) CAS No.**

07085-85-0  
CBI

**Mixture:**

**Concentration (Percentage)**

80-95%  
5-20%

**SECTION 4: First-aid measures**

**(a) Description of first aid measures:**

**IF INHALED:** Remove person to fresh air and keep comfortable for breathing.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Call a doctor if you feel unwell.

If eye irritation persists: Get medical advice.

**(b) Most important symptoms and effects, both acute and delayed:**

**IF INHALED:** Remove person to fresh air and keep comfortable for breathing.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

Call a doctor if you feel unwell.

If eye irritation persists: Get medical advice.

**(c) Indication of any immediate medical attention and special treatment needed:**

Call a doctor if you feel unwell.

If eye irritation persists: Get medical advice.

**SECTION 5: Fire-fighting measures**

**(a) Suitable extinguishing media:**

Use large amounts of water or dry chemical.

**(b) Special hazards arising from the chemical or mixture:**

Fumes may cause irritation and require adequate supply of air and protective eyewear.

**(c) Special protective equipment and precautions for fire-fighters:**

Full protective equipment, including self-contained breathing apparatus is required when fighting fire.

**SECTION 6: Accidental release measures**

**(a) Personal precautions, protective equipment and emergency procedures:**

**Personal Precautions:** Wear protective clothing as described in Section 8 of this safety data sheet.

**(b) Environmental precautions:**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). See section 12 for additional ecological information.

**(c) Methods and material for containment and cleaning up:**

Flood area with water to harden adhesive. Once adhesive has hardened, scrape off the floor and dispose.

**SECTION 7: Handling and storage**

**(a) Precautions for safe handling:**

Wash hands thoroughly after handling.  
Wear eye protection/face protection.  
Avoid breathing mist.  
Use only outdoors or in a well-ventilated area.

**(b) Conditions for safe storage, including any incompatibilities:**

Store in a well-ventilated place. Keep container tightly closed.  
Store locked up. Avoid storing in excessive heat above 170° F, moisture and alkalines.

**SECTION 8: Exposure controls/Personal protection**

**(a) Control parameters:**

Chemical	ACGIH TLV	California permissible exposure limits for chemical PEL
Ethyl-2 Cyanoacrylate	0.2 ppm	0.2 ppm 1.02 mg/m3

**(b) Appropriate Engineering Controls:**

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. Use only outdoors or in a well-ventilated area

**(c) Individual protection measures:**

**EYE/FACE PROTECTION**

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**SKIN PROTECTION**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**BODY PROTECTION**

Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**RESPIRATORY PROTECTION**

Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls.

If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

**SECTION 9: Physical and chemical properties**

(a) Appearance:	Transparent purple liquid
(b) Odor:	Pungent
(c) Odor threshold:	ND
(d) pH:	ND
(e) Melting point / freezing point:	ND
(f) Initial boiling point and boiling range:	365° F
(g) Flash point	185° F (TCC)
(h) Evaporation rate (BuAc=1):	ND
(i) Flammability:	ND
(j) Upper/lower flammability or explosive limits:	ND
(k) Vapor Pressure:	1 @ 20° C
(l) Vapor density:	ND
(m) Relative density:	ND
(n) Solubility:	Insoluble
(o) Partition coefficient: n-octanol/water:	ND
(p) Auto-ignition temperature:	ND
(q) Decomposition temperature:	ND
(r) Viscosity:	ND

**SECTION 10: Stability and reactivity**

(a) Reactivity:	No
(b) Chemical stability:	Stable up to 122° F.
(c) Possibility of hazardous reactions:	Will not occur.
(d) Conditions to avoid:	Excessive heat above 170°F, moisture and alkalines.
(f) Hazardous decomposition products:	Combustible by-products of carbon monoxide / dioxide.

**SECTION 11: Toxicological information**

Acute toxicity	ND
Skin corrosion/irritation	Skin - Rabbit Result: Mild skin irritation - 24 h
Serious Eye Damage / Irritation	Eyes - Rabbit Result: Irritating to eyes. - 72 h
Respiratory or skin sensitization	ND
Germ cell mutagenicity	Mouse lymphocyte Result: negative
Carcinogenicity	ND
Reproductive toxicity	ND
STOT-single exposure	ND
STOT-repeated exposure	ND
Aspiration Hazard	ND

(a) Exposure route:	Lungs, eyes
(b) Symptoms related to the physical, chemical and toxicological characteristics:	Dizziness and redness of the eyes
(c) Delayed and immediate effects and also chronic effects from short and long term exposure:	Dizziness and redness of the eyes
(d) Numerical measures of toxicity:	See above

**SECTION 12: Ecological information**

(a) Ecotoxicity:	ND
(b) Persistence and degradability:	ND
(c) Bioaccumulative potential	ND
(d) Mobility in soil:	ND
(e) Other adverse effects:	ND

**SECTION 13: Disposal considerations**

**Product:  
Recommendation**

DISPOSAL METHOD: Dispose of following all Local Authority requirements for disposal.  
This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material.

**SECTION 14: Transport information**

(a) UN Number	3334
(b) UN Proper shipping name	Combustible liquid, n.o.s.
(c) Transport hazard class(es)	9
(d) Packing Group	III
(e) Environmental hazards	ND
(f) Transport in bulk	

Primary packs containing less than 500ml are unregulated by this mode of transport and may be shipped unrestricted.

**(g) Other Information**

**SECTION 15: Regulatory information**

SARA Reporting Requirements:	Not listed
SARA Threshold Planning Quantity:	Not listed
TSCA Inventory Status:	Not listed
Other Federal Requirements:	NA
Other Canadian Regulations:	NA
State Regulatory Information:	NA

**SECTION 16: Other information**

**PREPARED BY:** Kristofer Mainar  
**GAR QMS SDS REFERENCE:** A582

**HAZARDOUS MATERIAL IDENTIFICATION (HMIS) RATING:**

Health  
Flammability  
Reactivity  
Other

**REVISION NUMBER:** 180209

**CHANGES FROM PREVIOUS VERSION:** INITIAL VERSION

**ABBREVIATIONS**

NA Not Applicable	LD Lethal Dose
ND Not Determined	TC Toxic Concentration
NE Not Established	TD Toxic Dose
ppm parts per million	BOD Biological Oxygen Demand
G Gallon	COD Chemical Oxygen Demand
mg Milligram	Lo Lowest
L Liter	ThOD Theoretical Oxygen Demand
gm Gram	TLm Threshold Limit
mol Mole	IC Inhibitory Concentration
kg Kilogram	DOC Dissolved Organic Carbon
μ Micro	H Hours
mm Millimeter	M Months
p Pico	D Days
Pa Pascals	Y Years
c cento	W Weeks
LC Lethal Concentration	

ACGIH American Conference of Governmental Industrial Hygienist  
CPR Controlled Product's Regulation  
DSL Canadian Domestic Substances List  
NDSL Canadian Non-domestic Substance List  
IARC International Agency for Research for Cancer  
NOEL No Observed Effect Level  
NOAEL No Observed Adverse Effect Level  
OSHA Occupational Safety and Health Administration  
PEL Permissible Exposure Limit  
TLV Threshold Limit Value

THIS MATERIAL SAFETY DATA SHEET IS PREPARED IN COMPLIANCE WITH FEDERAL REGULATIONS (29 CFR 1910.1200) OF CHEMICALS AND THE GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING REVISION 5. ANY APPLICABLE STATE AND LOCAL REGULATIONS SHOULD BE CONSULTED. THE ABOVE INFORMATION MAY BE BASED IN PART ON INFORMATION PROVIDED BY COMPONENT SUPPLIERS AND IS BELIEVED TO BE CORRECT AS OF THE DATE HEREOF. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY USE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OF THESE DATA, THE RESULTS TO BE OBTAINED FROM THE USE OF THE MATERIAL, OR THE HAZARDS CONNECTED WITH SUCH USE. SINCE THE INFORMATION CONTAINED HEREIN MAY BE APPLIED UNDER CONDITIONS BEYOND OUR CONTROL AND WITH WHICH WE MAY BE UNFAMILIAR, AND SINCE DATA MADE AVAILABLE SUBSEQUENT TO THE DATE HEREOF MAY SUGGEST MODIFICATION OF THE INFORMATION, WE ASSUME NO RESPONSIBILITY FOR THE RESULT OF ITS USE. THIS INFORMATION AND MATERIAL IS FURNISHED ON THE CONDITION THAT THE PERSON RECEIVING IT SHALL MAKE HIS/HER OWN DETERMINATION AS TO THE SUITABILITY OF THE MATERIAL FOR HIS/HER PARTICULAR PURPOSE AND ON THE CONDITION THAT HE/SHE ASSUME THE RISK OF HIS/HER USE THEREOF.