



MATERIAL SAFETY DATA SHEET

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CND-N-034

Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS & 2001/58 EC Standards

MSDS Revision: 8.0

MSDS Revision Date: 06/01/2008

1. PRODUCT IDENTIFICATION

1.1	Product Name: SEALE BOND™
1.2	Chemical Name: CYANOACRYLATE MIXTURE
1.3	Synonyms: SOLARSEALE®, SEALE BOND
1.4	Trade Names: Seale Bond™ - Nail Adhesive
1.5	Product Use: PROFESSIONAL OR SUNDRY USE ONLY
1.6	Distributor's Name: CREATIVE NAIL DESIGN, INC.
1.7	Distributor's Address: 1125 JOSHUA WAY, VISTA, CA USA 92081
1.8	Emergency Phone: CHEMTEC: +1 (800) 424-9300 / +1 (703) 527-3887
1.9	Business Phone: (800) 833-NAIL (6245), (760) 599-2900

2. HAZARD IDENTIFICATION

2.1	Hazard Identification: This product is classified as a HAZARDOUS SUBSTANCE and as DANGEROUS GOODS according to the classification criteria of NOHSC:1088 (2004) and ADG Code (Australia).						
2.2	Routes of Entry:	Inhalation:	YES	Absorption:	YES	Ingestion:	YES
2.3	Effects of Exposure: INGESTION: If product is swallowed, may cause nausea, vomiting and/or diarrhea and central nervous system depression. EYES: Eye irritant. Vapor of this product may be mildly to moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. SKIN: Warning! This product will bond skin instantly. May be irritating to skin in some sensitive individuals, especially after prolonged or repeated skin contact. INHALATION: Vapors of this product may be slightly irritating to the nose, throat and other tissues of the respiratory system. Symptoms of overexposure can include coughing, wheezing, nasal congestion, and difficulty breathing. Inhalation of high concentrations of vapors can cause central nervous system depression (e.g., drowsiness, dizziness, headaches, nausea).						
2.4	Symptoms of Overexposure: EYES: Eye irritant. Overexposure of vapor in eyes may cause redness, itching and watering. SKIN: Bonds skin instantly. Symptoms of skin overexposure in some sensitive individuals may include redness, itching, and irritation of affected areas. INHALATION: Symptoms of overexposure can include coughing, wheezing, nasal congestion, and difficulty breathing.						
2.5	Acute Health Effects: EYES: Vapors of this product may be mildly to moderately irritating to the eyes and mucous membranes. Symptoms of overexposure may include redness, itching, irritation and watering. SKIN: Mild to moderate irritation to skin near affected areas. INHALATION: High concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.						
2.6	Chronic Health Effects: None known.						
2.7	Target Organs: Eyes, skin & respiratory system.						

NA = Not Available; ND = Not Determined; NE = Not Established; NF = Not Found; C = Ceiling Limit; See Section 16 for Additional Definitions of Terms Used. Note: All WHMIS required information is included. It is located in appropriate sections based on the ANSI Z400.1-2004 format.

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3. COMPOSITION & INGREDIENT INFORMATION

CHEMICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	EXPOSURE LIMITS IN AIR (mg/m ³)								
					ACGIH		NOHSC			OSHA			OTHER
					ppm		ppm			ppm			
TLV	STEL	ES-TWA	ES-STEL	ES-PEAK	PEL	STEL	IDLH						
ETHYL CYANOACRYLATE	7085-85-0	UD3330050	230-391-5	< 95.0	2	NE	NF	NF	NF	NE	NE	NE	
POLYMETHYL METHACRYLATE	9011-14-7	TR0400000	201-297-1	≤ 10.0	100	NE	NF	NF	NF	NE	NE	NE	
BUTYLATED HYDROXYANISOLE (BHA)	25013-16-5	SL1945000	246-563-8	≤ 0.2	NE	NE	NF	NF	NF	NE	NE	NE	

4. FIRST AID MEASURES

4.1	<p>First Aid:</p> <p>INGESTION: DO NOT INDUCE VOMITING. Contact ChemTrec at +1 (703) 527-3887 or the nearest Poison Control Center or local emergency telephone number for assistance and instructions. Seek immediate medical attention. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration. This product will polymerize rapidly adhering to the mouth.</p> <p>SKIN: This product bonds skin immediately. Do not pull. Peel slowly using acetone or CND Remove (use lukewarm water only for product removal, if skin bonding has occurred near the eyes). If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the affected area with soap and water. If irritation, redness or swelling persists, contact a physician.</p> <p>EYES: Do not try to open the eye. Flush with cool water for at least 15 minutes. Contact a physician immediately. Cry</p> <p>INHALATION: Remove victim to fresh air at once. Under extreme conditions, if breathing stops, perform artificial respiration and seek immediate medical attention.</p>
4.2	<p>Medical Conditions Aggravated by Exposure:</p> <p>None known.</p>

5. FIREFIGHTING MEASURES

5.1	Flashpoint & Method: 176 - 200°F °F (80-93.3 °C), TCC
5.2	Autoignition Temperature: ~905°F
5.3	Flammability Limits: Lower Explosive Limit (LEL): ND Upper Explosive Limit (UEL): ND
5.4	Fire & Explosion Hazards: Rapid polymerization may occur at very high temperatures.
5.5	Extinguishing Methods: CO₂, Halon or Dry Chemical, as authorized.
5.6	<p>Firefighting Procedures:</p> <p>When involved in a fire, this product will ignite readily and decompose to produce oxides of carbon and nitrogen and hydrogen cyanide.</p> <p>First responders should wear eye protection. Structural firefighters must wear SCBAs and full protective equipment. Use a water spray or fog to reduce or direct vapors. Water may not be effective in actually extinguishing a fire involving this product.</p> <p>HAZCHEM CODE 2[Z].</p>





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6. ACCIDENTAL RELEASE MEASURES

6.1 Spills:
Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment.
For small spills (e.g., < 1 gallon (3.785 liters)) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows). Remove spilled material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse.
For spills ≥ 1 gallon (3.785 liters), deny entry to all unprotected individuals. Transfer to containers for recovery or for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

7. HANDLING & STORAGE INFORMATION

7.1 Work & Hygiene Practices:
Avoid prolonged or repeated skin contact. Avoid breathing vapors of this product. Use eye protection when using this product. Do not eat, drink or smoke while handling product.

7.2 Storage & Handling:
Keep container closed tightly when not in use. Empty container may contain residual amounts of this product; therefore, empty containers should be handled with care.
Store containers in a cool, dry location, away from sources of intense heat. Store away from incompatible materials (see Section 10, Stability and Reactivity). Do not store with or near eye drops.

7.3 Special Precautions:
Do not store with or near eye drops. This product bonds skin immediately.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION

8.1 Ventilation & Engineering Controls:
Use with adequate ventilation (e.g., open doors and windows, local exhaust ventilation). Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye-wash station). Use in a chemical fume hood when working with large quantities of product and provide adequate ventilation (e.g., local exhaust ventilation, fans).

8.2 Respiratory Protection:
No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134, or applicable U.S. state regulations, or the appropriate standards of Canada, its provinces, E.C. member states, or Australia.

8.3 Eye Protection:
Use eye protection when using any amount of this product. This product is irritating to the eyes.

8.4 Hand Protection:
Warning! This product will bond skin instantly. If necessary, refer to U.S. OSHA 29 CFR §1910.138, the appropriate standards of Canada, of the E.C. member states.

8.5 Body Protection:
No apron required when handling small quantities.
When handling large quantities (e.g., ≥ 1 gallon (3.785 liters)), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.

HEALTH	2
FLAMMABILITY	1
REACTIVITY	2
PROTECTIVE EQUIPMENT	A
EYES	



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9. PHYSICAL & CHEMICAL PROPERTIES

9.1	Density:	~1.05
9.2	Boiling Point:	> 300 °F (> 148.8 °C)
9.3	Melting Point:	ND
9.4	Evaporation Rate:	ND
9.5	Vapor Pressure:	< 0.2 mm Hg @ 75 °F (23.8 °C)
9.6	Molecular Weight:	NA
9.7	Appearance & Color:	Clear liquid with sharp irritating odor.
9.8	Odor Threshold:	1-2 ppm
9.9	Solubility:	Polymerizes in the presence of water.
9.10	pH	NA
9.11	Viscosity:	45 cp
9.12	Other Information:	Vapor density ~3 (air = 1). Percent volatile, by volume: Less than 20g/l (California SCAQ<D method 316B)

10. STABILITY & REACTIVITY

10.1	Stability:	Stable under ambient conditions when stored properly (see Section 7, Storage and Handling).
10.2	Hazardous Decomposition Products:	If exposed to extremely high temperatures, the products of thermal decomposition may include irritating vapors and carbon oxide gases and hydrogen cyanide (e.g., CO, CO₂, HCN).
10.3	Hazardous Polymerization:	May occur, if exposed to extremely high temperatures or exposed to moisture. Rapid polymerization will occur in the presence of water, amines, alkalis and alcohol.
10.4	Conditions to Avoid:	Exposure to or contact with extreme temperatures, strong light sources or incompatible materials.
10.5	Incompatible Substances:	This product is incompatible with strong oxidizers (e.g., peroxides, superoxides), strong acids (e.g., hydrochloric or muriatic acids), or strong bases (e.g., lye, potassium hydroxide). Polymerization initiators: water, amines, alkali and alcohol.

11. TOXICOLOGICAL INFORMATION

11.1	Toxicity Data:	This product has not been tested on animals to obtain toxicological data. There are toxicology data for the components of this product, which are found in the scientific literature. These data have not been presented in this document.
11.2	Acute Toxicity:	See section 2.5
11.3	Chronic Toxicity:	See section 2.6
11.4	Suspected Carcinogen:	YES. Butylated Hydroxyanisole: California: carcinogen, initial date 1/1/90. NTP: Suspect carcinogen. IARC: Group 2B carcinogen.
11.5	Reproductive Toxicity:	This product is not reported to cause reproductive toxicity in humans.
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity:	This product is not reported to cause teratogenic effects in humans.
	Reproductive Toxicity:	This product is not reported to cause reproductive effects in humans.
11.6	Irritancy of Product:	See section 2.3
11.7	Biological Exposure Indices:	NE
11.8	Physician Recommendations:	Treat Symptomatically.

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12. ECOLOGICAL INFORMATION


12.1	Environmental Stability: This product will slowly volatilize from soil. Components of this product will slowly decompose into organic compounds.
12.2	Effects on Plants & Animals: There are no specific data available for this product.
12.3	Effects on Aquatic Life: There are no specific data available for this product; however, very large releases of this product may be harmful or fatal to overexposed aquatic life.

13. DISPOSAL CONSIDERATIONS


13.1	Waste Disposal: Waste disposal must be in accordance with federal, state, and local regulations. Cured material can be disposed of as non – hazardous waste.
13.2	Special Considerations: NA

14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG, SCT, ADGR and the CTDGR.

14.1	49 CFR (GND): NOT REGULATED	
14.2	IATA (AIR): UN3334, AVIATION REGULATED LIQUID, N.O.S. (ETHYL CYANOACRYLATE), 9 (500 ml max. per package)	
14.3	IMDG (OCN): NOT REGULATED	
14.4	TDGR (Canadian GND): NOT REGULATED	
14.5	ADR/RID (EU): NOT REGULATED	
14.6	SCT (MEXICO): NOT REGULATED	
14.7	ADGR (AUS): NOT REGULATED	

15. REGULATORY INFORMATION


15.1	U.S. EPA SARA Title III Reporting Requirements: NA	
15.2	U.S. EPA SARA Title III Threshold Planning Quantity (TPQ): NA	
15.3	U.S. TSCA Inventory Status: The components of this product are listed on the TSCA Inventory.	
15.4	U.S. CERCLA Reportable Quantity (RQ): NA	
15.5	Other U.S. Federal Requirements: Clean Air Act This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depleters. This material does not contain any Class 2 Ozone depleters. Clean Water Act None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA. OSHA None of the chemicals in this product are considered highly hazardous by OSHA. This product complies with the appropriate sections of the Food and Drug Administration's 21 CFR subchapter G (Cosmetics).	
15.6	Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List.	

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15. REGULATORY INFORMATION - continued

15.7	<p>U.S. State Regulatory Information: Ethyl Cyanoacrylate can be found on the following state right to know list: New Jersey and Massachusetts. Butylated Hydroxyanisole Can be found on the following state right to know lists: California, Minnesota, and Massachusetts. WARNING: This product contains Butylated hydroxyanisole (BHA), a chemical known to the state of California to cause cancer. California No Significant Risk Level: None of the chemicals in this product are listed. No component of this mixture is listed in the California Proposition 65 Lists.</p>	
15.8	<p>European Union 67/548/EEC and Australia NOHSC:2011 (2003) Requirements: The primary components of this product are not listed in Annex I of EU Directive 67/548/EEC. Ethyl Cyanoacrylate: Irritant (Xi). R: 36/37/38-43 - Irritating to eyes, respiratory system and skin. May cause sensitization by skin contact. S: 24/25-26-46 - Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. If swallowed, seek medical advice immediately and show this MSDS or container label. Butylated Hydroxyanisole (BHA): (Xi) Irritant (N) Environmental hazard. R: 10-38-43-50/53 Flammable, Irritating to skin. May cause sensitization by skin contact. Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. S: 24-37 Avoid contact with skin. Wear suitable protective gloves. HAZCHEM CODE 2[Z].</p>	

16. OTHER INFORMATION

16.1	<p>Other Information: WARNING: Eye irritant. Do not store near eye drops. If eye contact occurs, flush immediately with water and GET MEDICAL ATTENTION. Bonds skin instantly. If skin bonds, DO NOT PULL; peel apart gently using acetone or CND Remove. Do not store near eye drops. KEEP OUT OF REACH OF CHILDREN. For Professional Use Only.</p>	
16.2	<p>Terms & Definitions: Please see last page of this MSDS.</p>	
16.3	<p>Disclaimer: This Material Safety Data Sheet is offered pursuant to OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate's & Creative Nail Design's knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness are not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.</p>	
16.4	<p>Prepared for: Creative Nail Design, Inc. A Division of Colomer U.S.A., Inc. 1125 Joshua Way Vista, CA 92081 USA (800) 833-NAIL (6245) (760) 599-2900 phone (760) 599-4005 fax http://www.cnd.com/</p>	
16.5	<p>Prepared by: ShipMate, Inc. PO Box 787 Sisters, OR 97759-0787 USA Phone: +1 (310) 370-3600 Fax: +1 (310) 370-5700 e-mail: shipmate@shipmate.com</p>	

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DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a MSDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

CAS No.	Chemical Abstract Service Number
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EXPOSURE LIMITS IN AIR:

ACGIH	American Conference on Governmental Industrial Hygienists
TLV	Threshold Limit Value
OSHA	U.S. Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
IDLH	Immediately Dangerous to Life and Health

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.
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HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard



PERSONAL PROTECTION RATINGS:

A		G	
B		H	
C		I	
D		J	
E		K	
F		X	Consult your supervisor or S.O.P. for special handling directions.

Safety Glasses	Splash Goggles	Face Shield & Eye Protection	Gloves
Boots	Synthetic Apron	Full Suit	Dust Respirator
Vapor Respirator	Dust & Vapor Respirator	Full Face Respirator	Airline Hood/Mask or

Note: the dotted circle indicates that this respiratory protective equipment is required for high concentrations or for large volume spills or releases of product.

FLAMMABILITY LIMITS IN AIR:

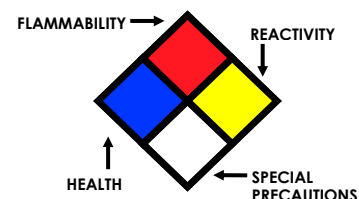
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition
LEL	Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
UEL	Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

OTHER STANDARD ABBREVIATIONS:

NA	Not Available
NR	No Results
NE	Not Established
ND	Not Determined
ML	Maximum Limit
SCBA	Self-Contained Breathing Apparatus

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA HAZARD RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard
ACD	Acidic
ALK	Alkaline
COR	Corrosive
-W	Use No Water
OX	Oxidizer



TOXICOLOGICAL INFORMATION:

LD₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD₁₀	Lowest dose to cause a symptom
TCLO	Lowest concentration to cause a symptom
TD₁₀, LD₁₀, & LD₅₀ or TC, TC₀, LC₁₀, & LC₅₀	Lowest dose (or concentration) to cause lethal or toxic effects
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TL_m	Median threshold limit
log K_{ow} or log K_{oc}	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System
DOT	U.S. Department of Transportation
TC	Transport Canada
EPA	U.S. Environmental Protection Agency
DSL	Canadian Domestic Substance List
NDSL	Canadian Non-Domestic Substance List
PSL	Canadian Priority Substances List
TSCA	U.S. Toxic Substance Control Act
EU	European Union (European Union Directive 67/548/EEC)
CPR	Canada's Controlled Product Regulations

EC INFORMATION:

C	E	F	N	O	T+	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

WHMIS INFORMATION:

A	B	C	D1	D2	D3	E	F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive