

**RC CEMENT**

**1. Product And Company Identification**

**Supplier**

Forbo Siegling, LLC  
12201 Vanstory Dr.  
Huntersville, NC 28078-8395

Company Contact: Mr. Jay Leighton  
Telephone Number: 704-948-0800

**Supplier Emergency Contacts & Phone Number**

CHEMTREC: (800) 424-9300

Issue Date: 03/19/2007

Product Name: RC CEMENT

CAS Number: Not Avail.

Chemical Family: Cyanoacrylate ester adhesive

MSDS Number: 824

**2. Composition/Information On Ingredients**

Ingredient Name	CAS Number	Percent Of Total Weight
ETHYL 2-CYANOACRYLATE	7085-85-0	100

**EMERGENCY OVERVIEW**

**Combustible. Harmful if inhaled or swallowed. CONTACT YOUR LOCAL POISON CONTROL CENTER IF SWALLOWED! Contact with eyes or skin causes irritation. Fire may produce irritating and poisonous gases.**

**Hazards Identification (Pictograms)**



**3. Hazards Identification**

**Eye Hazards**

DANGER! This product bonds rapidly with eye tissue and may cause permanent eye damage. Vapors may be irritating.

**Skin Hazards**

This product bonds rapidly with skin, and may cause irritation or damage. In rare cases, contact with large amounts may cause thermal burns due to the exothermic reaction of cyanoacrylates upon solidification.

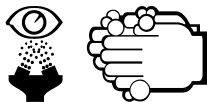
**Ingestion Hazards**

Ingestion is very likely, although the adhesive will bond quickly with the tissue in the mouth.

**Inhalation Hazards**

Excessive inhalation of vapors may cause nose and throat irritation. Prolonged or repeated overexposures may produce asthma-like allergic reactions in sensitive individuals.

**First Aid (Pictograms)**



## RC CEMENT

### 4. First Aid Measures

#### Eye

GET IMMEDIATE MEDICAL ATTENTION.

**EYELID TO EYELID OR EYEBALL ADHESION:** In the event that eyelids are stuck together or bonded to the eyeball, wash thoroughly with warm water and apply a gauze patch. The eye will open without further action - typically in 1 to 4 days. There will be no residual damage. **DO NOT TRY TO OPEN THE EYES BY MANIPULATION.**

**ADHESIVE ON THE EYEBALL:** Cyanoacrylate introduced into the eyes will attach itself to the eye protein and will disassociate from it over intermittent periods, generally covering several hours. This will cause periods of weeping until clearance is achieved. During the period of contamination, double vision may be experienced together with lachrymation. It is important to understand the cause and realize that disassociation will normally occur within a matter of hours even with gross contamination.

#### Skin

**SKIN ADHESION:** Immerse the bonded surfaces in warm soapy water. Peel or roll the surfaces apart with the aid of a blunt edge (e.g., a spatula or a teaspoon handle), then remove the adhesive from the skin with soap and water. **DO NOT TRY TO PULL SURFACES APART** with a direct opposing action.

**BURNS:** Burns should be treated normally after the lump of cyanoacrylate is released from the tissue, as described above. Get medical attention.

#### Ingestion

GET IMMEDIATE MEDICAL ATTENTION.

If lips are accidentally stuck together, apply plenty of warm water to the lips and encourage maximum wetting and pressure from saliva inside the mouth. Peel or roll lips apart. **DO NOT TRY TO PULL THE LIPS APART** with direct opposing action. Saliva will lift the adhesive in 1/2 to 2 days. In case a lump forms in the mouth, position the patient to prevent ingestion of the lump when it detaches.

#### Inhalation

Remove person from exposure to fresh air. Seek medical attention if irritation or respiratory symptoms develop. If breathing stops, administer artificial respiration and CPR as necessary.

### 5. Fire Fighting Measures

**Flash Point:** 189 °F 87 °C

**Flash Point Method:** TCC

**Flammability Class:** II

**Lower Explosive Limit:** N/A

**Upper Explosive Limit:** N/A

#### Fire And Explosion Hazards

Combustible. Irritating and hazardous decomposition products may be evolved from thermal decomposition.

#### Extinguishing Media

Carbon dioxide, foam, dry chemical. Water may be used to cool fire exposed containers.

#### Fire Fighting Instructions

Self-contained breathing apparatus and protective clothing should be worn when fighting fires involving large quantities of product.

### 6. Accidental Release Measures

Remove sources of ignition. Flood spill with water to polymerize. Soak up with an inert absorbent.

### 7. Handling And Storage

No Data Available...

## RC CEMENT

### 7. Handling And Storage - Continued

#### **Handling And Storage Precautions**

To maximize shelf life store in a cool dry place.  
Avoid contact with skin and eyes. Avoid breathing vapors.

#### **Protective Clothing (Pictograms)**



### 8. Exposure Controls/Personal Protection

#### **Engineering Controls**

Use with adequate ventilation. Local exhaust ventilation may be necessary if used in large amounts and/or in confined spaces.

#### **Eye/Face Protection**

Safety glasses or goggles.

#### **Skin Protection**

Polyethylene or latex gloves recommended. Do not use cotton.

#### **Respiratory Protection**

None normally required when used with adequate ventilation. An organic vapor respirator may be used under extreme conditions.

#### **Ingredient(s) - Exposure Limits**

ETHYL 2-CYANOACRYLATE  
ACGIH TLV-TWA: 0.2 ppm

### 9. Physical And Chemical Properties

#### **Appearance**

A clear liquid

#### **Odor**

A sharp, irritating odor

**Chemical Type:** Mixture

**Boiling Point:** > 300 °F > 149 °C

**Specific Gravity:** ~1.1 @ 75F / 24C

**Vapor Pressure:** < 0.2mm @ 75F/24C

**Solubility:** polymerizes

**Evaporation Rate:** Not Applicable

### 10. Stability And Reactivity

**Stability:** Stable

**Hazardous Polymerization:** Will Not Occur

#### **Conditions To Avoid (Stability)**

Contact with water or moisture

#### **Incompatible Materials**

Polymerizes by contact with water, alcohols, amines and alkalis.

#### **Hazardous Decomposition Products**

Irritating organic compounds may be produced from thermal decomposition.

## RC CEMENT

### 11. Toxicological Information

#### Chronic/Carcinogenicity

Carcinogenicity - NTP: No IARC: No OSHA: No

#### Miscellaneous Toxicological Information

NOTE TO PHYSICIAN: Cyanoacrylate adhesive is a very fast setting and strong adhesive. It bonds with human tissue, including skin, in seconds. Experience has shown that accidents due to cyanoacrylates are handled best by passive, non-surgical first aid. It should never be necessary to use surgery to separate accidentally bonded skin.

NEITHER THIS PRODUCT NOR ANY COMPONENT CONSTITUTING  $\geq 0.1\%$  ARE LISTED BY THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA), THE NATIONAL TOXICOLOGY PROGRAM (NTP) OR THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) AS A SUSPECT OR KNOWN HUMAN CARCINOGEN.

Target Organs: Skin, Eyes, Lungs

### 12. Ecological Information

#### Other Environmental Information

None of the ingredients of this product are currently subject to reporting under SARA Title III, Section 313 Toxic Chemical Release reporting requirements.

### 13. Disposal Considerations

Incinerate according local, state and federal government regulations. Small amounts of solidified material may also be disposed of as dry solid waste.

### 14. Transport Information

#### Proper Shipping Name

ADHESIVES, containing a flammable liquid

#### Hazard Class

3 (Combustible Liquid)

#### DOT Identification Number

UN1133

#### DOT Shipping Label

COMBUSTIBLE LIQUID

#### Packaging Exceptions

173.150

#### Packaging Requirements

173.173

#### Additional Shipping Paper Description

Adhesive, containing a combustible liquid, 3, UN1133, III  
Product shipped in plastic bottles (10g or 20g) within expanded plastic boxes.

Meets the DOT small quantity exception when the conditions of 49 CFR 173.4 are met.

Meets the DOT limited quantity exception when the conditions of 49 CFR 173.150 are met.

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### 14. Transport Information - Continued

#### DOT (Pictograms)



### 15. Regulatory Information

#### SARA Hazard Classes

Acute Health Hazard  
Fire Hazard

#### State Regulations

"Universal" labeling:

CONTENTS  
Ethyl 2-cyanoacrylate 7085-85-0

#### Ingredient(s) - State Regulations

ETHYL 2-CYANOACRYLATE  
New Jersey - Workplace Hazard

#### European Union (EU) Regulatory Information

European Union Risk Phrases -  
R21 - Harmful in contact with skin  
R41 - Risk of serious damage to eyes

European Union Safety Phrases -  
S18 - Handle and open container with care  
S24/25 - Avoid contact with skin and eyes  
S28 - After contact with skin, wash immediately with plenty of soapy water  
S39 - Wear eye/face protection

### 16. Other Information

#### HMIS Rating

Health: 1  
Fire: 2  
Reactivity: 1  
Personal Protection: B

#### Revision/Preparer Information

This MSDS Supersedes A Previous MSDS Dated: 11/19/2003

#### Reference Documentation

N/A = Not Applicable

Primary references used in the creation of this document:

1. National Library of Medicine Toxicology Data Network (TOXNET)
2. Guide to Occupational Exposure Values - 2003, ACGIH.
3. OSHA 29 CFR 1910.1000
4. NIOSH Registry of Toxic Effects of Chemical Substances (1985)

#### Other Information

Glossary -

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ACGIH = American Conference of Governmental Industrial Hygienists  
API = American Petroleum Institute  
DOT = U.S. Department of Transportation

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### 16. Other Information - Continued

#### Other Information - Continued

EPA = U.S. Environmental Protection Agency  
IARC = International Agency For Research On Cancer  
MSHA = Mine Safety and Health Administration  
NFPA = National Fire Protection Association  
NIOSH = National Institute of Occupational Safety and Health  
NTP = National Toxicology Program  
OSHA = U.S. Occupational Safety & Health Administration  
PEL = Permissible Exposure Limit (OSHA)  
REL = Recommended Exposure Limit (NIOSH)  
STEL = Short-Term Exposure Limit  
TLV = Threshold Limit Value (ACGIH)  
TWA = Time Weighted Average (8 hr.)  
WHMIS = Canadian Workplace Hazardous Materials Information System

AP = approximately    < = Less than    > = Greater than  
N/A = Not Applicable    NE = Not Established    ND = Not Determined

#### **Disclaimer**

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Siegling America, Inc.