Material Name
Krazy Glue Maximum Bond Formula

Synonyms
Advanced Formula, KG483, 10300, 10320, 10810, 10340

Chemical Family
cyanoacrylate

Product Use
Adhesive

Restrictions on Use
None known.

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name
Krazy Glue Maximum Bond Formula

Synonyms
Advanced Formula, KG483, 10300, 10320, 10810, 10340

Chemical Family
cyanoacrylate

Product Use
Adhesive

Restrictions on Use
None known.

Details of the supplier of the safety data sheet
Elmer's Products, Inc
460 Polaris Parkway, Suite 500
Westerville, OH 43082
USA
Phone:1-888-435-6377
Fax:1-800-741-6046
Email:comments@elmers.com

Emergency Phone Number:
Poison Control Center
1-888-516-2502

For additional product information, access our website at www.elmers.com. To place an order, call 1-800-848-9400.

Section 2 - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200.
Flammable Liquids - Category 4
Serious Eye Damage/Eye Irritation - Category 2A
Skin Sensitization - Category 1A
Reproductive Toxicity - Category 2
Specific Target Organ Toxicity - Single Exposure - Category 3

GHS Label Elements
Symbol(s)

Signal Word
Warning
Hazard Statement(s)
Combustible liquid.
Causes serious eye irritation.
May cause allergic skin reaction.
Suspected of damaging fertility or the unborn child.
May cause respiratory irritation.

Precautionary Statement(s)

Prevention
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from flames and hot surfaces. No smoking.
Use only outdoors or in a well-ventilated area.
Wear protective gloves and eye protection.
Avoid breathing vapors.
Wash thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.

Response
IF exposed or concerned: Get medical advice/attention.
IF ON SKIN: Wash with plenty of soap and water.
Specific treatment (see label).
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
Call a POISON CENTER or doctor if you feel unwell.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
In case of fire: Use dry chemical or carbon dioxide to extinguish.

Storage
Store in a well-ventilated place. Keep container tightly closed.
Keep cool.
Store locked up.

Disposal
Dispose of contents/container in accordance with local/regional/national/international regulations.

Other Hazards
No additional information is available.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>CAS</th>
<th>Component Name</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>7085-85-0</td>
<td>Ethyl cyanoacrylate</td>
<td>&gt;95.0</td>
</tr>
<tr>
<td>119-47-1</td>
<td>2,2'-Methylenebis(4-methyl-6-tert-butylphenol)</td>
<td>0.1</td>
</tr>
</tbody>
</table>

Section 4 - FIRST AID MEASURES

Description of Necessary Measures
IF exposed or concerned: Get medical advice/attention.

Inhalation
Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Skin
Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Peel or roll the surfaces apart using a blunt edge, such as a spatula or spoon handle.

Eyes
Remove contact lenses, if present and easy to do. IMMEDIATELY wash with large amounts of warm water, occasionally lifting upper and lower lids, until no evidence of chemical remains (at least 15-20 minutes). Get medical attention immediately.
Ingestion
Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

**Most Important Symptoms/Effects**

**Acute**
May cause allergic skin reaction. May cause respiratory irritation, eye irritation.

**Delayed**
Suspected of damaging fertility or the unborn child.

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### Section 5 - FIRE FIGHTING MEASURES

**Extinguishing Media**

**Suitable Extinguishing Media**
Use carbon dioxide, regular dry chemical, regular foam or water.  

**Unsuitable Extinguishing Media**
Do not use high-pressure water streams.

**Special Hazards Arising from the Chemical**
Combustible liquid

**Hazardous Combustion Products**
Oxides of carbon, oxides of nitrogen

**Special Protective Equipment and Precautions for Firefighters**
Self-contained breathing apparatus with face piece and protective clothing can be used if involved in a fire of other materials. Do not scatter spilled material with high-pressure water streams.

---

### Section 6 - ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment and Emergency Procedures**
Wear personal protective clothing and equipment, see Section 8. Keep unnecessary people away, isolate hazard area and deny entry. Stay upwind and keep out of low areas. Ventilate closed spaces before entering.

**Methods and Materials for Containment and Cleaning Up**
Eliminate all sources of ignition. Do not touch or walk through spilled material. Stop leak if possible without personal risk. Prevent entry into waterways, sewers, basements, or confined areas. Reduce vapors with water spray. Absorb with earth, sand or other non-combustible material and transfer to container. Use non-sparking tools and equipment. Large spills: Dike for later disposal.

**Environmental Precautions**
Avoid release to the environment.

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### Section 7 - HANDLING AND STORAGE

**Precautions for Safe Handling**
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flame/hot surfaces - No smoking. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. Avoid breathing dust/fume/gas/mist/vapors/spray. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace.

**Conditions for Safe Storage, Including any Incompatibilities**
Store in a well-ventilated place. Keep container tightly closed.  
Keep cool.
Store locked up.
Avoid contact with water or moisture. Keep away from heat and ignition sources. Keep away from incompatible materials.

**Incompatible Materials**
alcohols, bases, amines

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### Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

**Component Exposure Limits**

<table>
<thead>
<tr>
<th>Ethyl cyanoacrylate</th>
<th>7085-85-0</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH:</td>
<td>0.2 ppm TWA</td>
</tr>
</tbody>
</table>
EU - Occupational Exposure (98/24/EC) - Binding Biological Limit Values and Health Surveillance Measures
There are no biological limit values for any of this product's components.

ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)
There are no biological limit values for any of this product's components.

Engineering Controls
Provide local exhaust ventilation system. Ensure adequate ventilation.

Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection
Wear splash resistant safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Skin Protection
Wear appropriate chemical resistant clothing.

Respiratory Protection
Under conditions of frequent use or heavy exposure, respiratory protection may be needed. A NIOSH approved air-purifying respirator with an appropriate cartridge or canister may be appropriate under certain circumstances where airborne concentrations are expected to exceed exposure limits.

Glove Recommendations
Wear appropriate chemical resistant gloves.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>clear colorless liquid</td>
</tr>
<tr>
<td>Odor</td>
<td>irritating odor</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Not available</td>
</tr>
<tr>
<td>Freezing point</td>
<td>&lt;-28 °C</td>
</tr>
<tr>
<td>Boiling Point Range</td>
<td>Not available</td>
</tr>
<tr>
<td>Autoignition</td>
<td>Not available</td>
</tr>
<tr>
<td>Lower Explosive Limit</td>
<td>Not available</td>
</tr>
<tr>
<td>Upper Explosive Limit</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor Density (air=1)</td>
<td>&gt;1 (air=1)</td>
</tr>
<tr>
<td>Water Solubility</td>
<td>Insoluble (causes rapid polymerization)</td>
</tr>
<tr>
<td>Viscosity</td>
<td>85 cps @ 25 °C</td>
</tr>
<tr>
<td>Density</td>
<td>1.05 g/cm³</td>
</tr>
<tr>
<td>Molecular Weight</td>
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</tr>
<tr>
<td>Physical State</td>
<td>liquid</td>
</tr>
<tr>
<td>pH</td>
<td>Not available</td>
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<tr>
<td>Boiling Point</td>
<td>62 °C (5 mmHg)</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Not available</td>
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<tr>
<td>Flammability (solid, gas)</td>
<td>Not available</td>
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<tr>
<td>Flash Point</td>
<td>83 °C [CC ]</td>
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<tr>
<td>Decomposition temperature</td>
<td>Not available</td>
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<tr>
<td>Vapor Pressure</td>
<td>0.13 mmHg @ 20 °C</td>
</tr>
<tr>
<td>Specific Gravity (water=1)</td>
<td>1.05</td>
</tr>
<tr>
<td>Partition coefficient: n-octanol/water</td>
<td>Not available</td>
</tr>
<tr>
<td>Solubility (Other)</td>
<td>Not available</td>
</tr>
<tr>
<td>VOC</td>
<td>0 g/L (SCAQMD Method 316B )</td>
</tr>
</tbody>
</table>

Section 10 - STABILITY AND REACTIVITY

Reactivity
May polymerize when heated. Avoid contact with water or moisture. Avoid contact with light.

**Chemical Stability**
Unstable at elevated temperatures.

**Possibility of Hazardous Reactions**
May polymerize. Avoid contact with water or moisture.

**Conditions to Avoid**
Avoid heat, flames, sparks and other sources of ignition. Containers may rupture or explode if exposed to heat. Keep out of water supplies and sewers. Avoid contact with water or moisture.

**Incompatible Materials**
- alcohols, amines, bases

**Hazardous decomposition products**
- Oxides of carbon, oxides of nitrogen

### Section 11 - TOXICOLOGICAL INFORMATION

**Information on Likely Routes of Exposure**

**Inhalation**
May cause respiratory irritation.

**Skin Contact**
May cause allergic skin reaction.

**Eye Contact**
Causes serious eye irritation.

**Ingestion**
No information on significant adverse effects.

**Acute and Chronic Toxicity**

**Component Analysis - LD50/LC50**
The components of this material have been reviewed in various sources and the following selected endpoints are published:

- Ethyl cyanoacrylate (7085-85-0)
  - Oral LD50 Rat: > 5 mL/kg

- 2,2'-Methylenebis(4-methyl-6-tert-butylphenol) (119-47-1)
  - Oral LD50 Rat: > 10000 mg/kg
  - Dermal LD50 Rabbit: > 10000 mg/kg

**Immediate Effects**
May cause respiratory irritation, eye irritation. May cause allergic skin reaction.

**Delayed Effects**
Suspected of damaging fertility or the unborn child.

**Irritation/Corrosivity Data**
May cause respiratory irritation, eye irritation,

**Respiratory Sensitization**
No information available for the product.

**Dermal Sensitization**
May cause allergic skin reaction.

**Component Carcinogenicity**
None of this product's components are listed by ACGIH, IARC, NTP, DFG or OSHA

**Germ Cell Mutagenicity**
No information available for the product.

**Tumorigenic Data**
No data available

**Reproductive Toxicity**
Suspected of damaging fertility or the unborn child.

**Specific Target Organ Toxicity - Single Exposure**
Respiratory system

**Specific Target Organ Toxicity - Repeated Exposure**
No target organs identified.

**Aspiration hazard**
No information available for the product.

**Medical Conditions Aggravated by Exposure**
No data available.
Section 12 - ECOLOGICAL INFORMATION

Component Analysis - Aquatic Toxicity
No LOLI ecotoxicity data are available for this product's components.

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods
Dispose in accordance with all applicable regulations.

Section 14 - TRANSPORT INFORMATION

US DOT Information:
UN/NA #: Not Regulated

IATA Information:
UN#: Not Regulated

TDG Information:
UN#: Not Regulated

Section 15 - REGULATORY INFORMATION

U.S. Federal Regulations
None of this product's components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

SARA Section 311/312 (40 CFR 370 Subparts B and C)
Acute Health: Yes Chronic Health: Yes Fire: Yes Pressure: No Reactivity: No

U.S. State Regulations
The following components appear on one or more of the following state hazardous substances lists:

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS</th>
<th>CA</th>
<th>MA</th>
<th>MN</th>
<th>NJ</th>
<th>PA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethyl cyanoacrylate</td>
<td>7085-85-0</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>

Not listed under California Proposition 65

Canadian WHMIS Ingredient Disclosure List (IDL)
The components of this product are either not listed on the IDL or are present below the threshold limit listed on the IDL.

WHMIS Classification
B3, D2A, D2B

Component Analysis - Inventory
Ethyl cyanoacrylate (7085-85-0)

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Yes</td>
<td>DSL</td>
<td>EIN</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

2,2'-Methylenebis(4-methyl-6-tert-butylphenol) (119-47-1)

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<td>EIN</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>

Section 16 - OTHER INFORMATION

HMIS Rating
Health: 2 Fire: 2 Reactivity: 1
Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

Summary of Changes
Updated SDS: 1/21/2016

Key / Legend
ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; ENCS - Japan Existing and New Chemical Substance Inventory; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; ISHL - Japan Industrial Safety and Health Law; JP - Japan; Kow - Octanol/water partition coefficient; KECl - Korea Existing Chemicals Inventory; KECL – Korea Existing Chemicals List; KR - Korea; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR’s Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; MX – Mexico; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TCCA – Korea Toxic Chemicals Control Act; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TW – Taiwan; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States.

Other Information
Disclaimer:
Supplier gives no warranty whatsoever, including the warranties of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser shall determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental, consequential or any other damages arising out of the use or misuse of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights.