



Material Safety Data Sheet

Revision Date 16-Jul-2014

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code P10690
Product name SUPER BOND ADHESIVE 10 GR BTL
Recommended Use Adhesive
Supplier Kent Automotive
 8770 W.Bryn Mawr Ave.- Suite 900
 Chicago, IL 60631
 1-866-529-7664
Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview

Cyanoacrylate. Danger. Bonds skin and eyes in seconds. Keep out of the reach of children.

Aggravated Medical Conditions

Asthma like conditions.

Principal Routes of Exposure

Eyes. Skin. Inhalation.

Potential health effects

Eyes Irritation. Bonds skin and eyes in seconds .

Skin Skin Irritation. Skin burns. Cyanoacrylate adhesive is a very fast setting and strong adhesive. It bonds human tissue including skin in seconds. Experience has shown that accidents due to cyanoacrylates are handled best by passive, non-surgical first aid .

Inhalation May be irritating to respiratory system above recommended exposure limits. Remove to fresh air. If breathing is difficult, seek medical attention. Vapors are irritating to eyes and mucous membranes. Prolonged and repeated exposure to vapors may produce allergic reactions with asthma-like symptoms in sensitive individuals. .

Ingestion This route is not likely. The product will polymerize rapidly, adhering to the mouth..

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Ethyl cyanoacrylate	7085-85-0	60-100
Acrylic Polymer	Proprietary	<10
Hydroquinone	123-31-9	0.1-0.5

4. FIRST AID MEASURES

Eye contact Irritating. Immediately flush with water for at least 15 minutes, get prompt medical attention and apply gauze patch. Cyanoacrylate will bond to eye protein and cause a lachrymatory effect which will help de-bond the adhesive. Keep eye covered until de-bonding is complete (usually with 1-4 days)..

Skin contact Bonds rapidly and strongly. May cause burns. Immerse bonded surface in warm soapy water. Peel or roll surface apart with aid of blunt edge. Do not pull apart with direct opposing action. If skin is burned by a large drop, (due to heat generated by the polymerization) seek medical help. If the lips are accidentally bonded, apply warm soapy water, encourage maximum wetting and pressure from saliva inside mouth and peel or roll lips apart. DO NOT TRY TO PULL LIPS APART. Burn: should be treated normally after the lump of cyanoacrylate is released from the tissue. .

Ingestion Insure breathing passages are clear. Saliva will separate any solidified product within two days. Prevent accidental swallowing. .

Inhalation Remove to fresh air. Contact physician if breathing difficulty develops. .

5. FIRE FIGHTING MEASURES

Flash point °C 80
Flash point °F 176
Method Tag Closed Cup

Autoignition temperature °C 485
Autoignition temperature °F 905

Flammability Limits (% in Air)
Upper No data available
Lower No data available

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Suitable extinguishing media

Dry chemical powder. Foam. Carbon dioxide.

Special protective equipment for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Specific hazards

Thermal decomposition can lead to release of irritating gases and vapors

Sensitivity to shock

No information available.

Sensitivity to static discharge

No information available.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up

Eliminate all sources of ignition. Ventilate area to maintain exposure below permissible exposure limits. Prevent product from entering drains. Do not use cloths for mopping up. Flood with water to complete polymerization and scrape off the floor. Cured material can be disposed of as non hazardous waste.

7. HANDLING AND STORAGE

Handling

Avoid contact with fabric or paper goods. Contact with these materials may cause rapid polymerization which can generate smoke and strong irritating vapors, and cause thermal burns. Avoid breathing vapors. Keep away from open flames, hot surfaces and sources of ignition. Avoid contact with skin, eyes and clothing.

Storage

Keep in properly labelled containers. Keep container tightly closed in a dry and well-ventilated place. Store at or below 75 degrees F to maximize shelf life. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Ethyl cyanoacrylate	-	-	0.2 ppm	-
Hydroquinone	2 mg/m ³	-	1 mg/m ³	-
Acrylic Polymer	-	-	-	-

Ventilation and Environmental Controls

Positive down-draft exhaust ventilation should be provided to maintain vapor concentration below TLV.

Hygiene measures

General industrial hygiene practice.

Respiratory protection

Wear a NIOSH approved vapor/mist respirator.

Hand Protection

Nitrile gloves. Do not use: PVC gloves. Cotton gloves.

Eye protection

Use safety eyewear designed to protect against splash of liquids.

Skin and body protection

Apron.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Color	Clear
Odor	Strong Irritating
Odor Threshold	1-2 ppm
pH	No data available
Specific Gravity	1.1
Vapor pressure	0.2mmHg
Vapor density	3 (air=1)
Evaporation Rate	No data available
Water solubility	No data available
VOC Content	<2% ; <20g/l
Partition Coefficient (n-octanol/water)	No data available
Boiling point/range °C	> 100
Boiling point/range °F	> 212
Melting point/range °C	No data available
Melting point/range °F	No data available
Flash point °C	80
Flash point °F	176

10. STABILITY AND REACTIVITY

Stability

Stable under recommended storage conditions.

Conditions to avoid

Extremes of temperature and direct sunlight. Avoid sources of ignition.

Incompatibility

Water. Amines. Alkalies. Alcohols.

Hazardous Decomposition Products

Irritating organic vapors.

Polymerization

Will occur.

11. TOXICOLOGICAL INFORMATION

11. TOXICOLOGICAL INFORMATION**Component Information**

Chemical Name	LD50 (oral, rat)	LD50 (dermal ,rat/rab bit)	LC50 (inhalation, rat)
Ethyl cyanoacrylate 7085-85-0	-	-	-
Hydroquinone 123-31-9	320 mg/kg	900 mg/kg	-
Acrylic Polymer Proprietary	-	-	-

Synergistic Products None known

Potential health effects

Sensitization None known

Chronic toxicity None known

Mutagenic effects None known

Teratogenic effects None known

Reproductive toxicity None known

Target Organ Effects See Section 2

Carcinogenic effects See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Ethyl cyanoacrylate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Hydroquinone	A3	Not Listed	Not Listed	Not Listed	Not Listed
Acrylic Polymer	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION**Hydroquinone****Microtox Data**

Photobacterium phosphoreum EC50=0.038 mg/L (15 min)
Photobacterium phosphoreum EC50=0.0382 mg/L (30 min)
Photobacterium phosphoreum EC50=0.042 mg/L (5 min)
Photobacterium phosphoreum EC50=23.75 mg/L (60 min)

Water Flea Data

Daphnia magna EC50=0.29 mg/L (48 h)

13. DISPOSAL CONSIDERATIONS**Waste from residues / unused products**

Dispose in accordance with federal, state, and local regulations.

14. TRANSPORTATION INFORMATION**DOT**

Not Regulated

TDG

Not Regulated

15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
Hydroquinone	Listed

Chemical Name	CERCLA/SARA 302 TPQ
Hydroquinone	\$500 lb, lower TPQ \$10000 lb, upper TPQ

State Regulations

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Ethyl cyanoacrylate	Not Listed	Not Listed	Not Listed
Hydroquinone	Listed	Listed	Not Listed
Acrylic Polymer	Not Listed	Not Listed	Not Listed

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
Ethyl cyanoacrylate	X	X	-	X
Hydroquinone	X	X	-	X
Acrylic Polymer	-	-	-	-

CPR

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

16. OTHER INFORMATION**HMIS**

Health - 2
Flammability - 2
Physical Hazard - 1

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The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.