





# Safety Data Sheet



Revision Number: 003.1

Issue date: 03/01/2018

# 1. PRODUCT AND COMPANY IDENTIFICATION

IDH number:

Product name:

known as 410(TM) Prism®Black Toughened Product type: Cyanoacrylate Restriction of Use: None identified Company address: Henkel Corporation One Henkel Way Rocky Hill, Connecticut 06067

Item number:41061Region:United StatesContact information:Telephone: +1 (860) 571-5100MEDICAL EMERGENCY Phone: Poison Control Center1-877-671-4608 (toll free) or 1-303-592-1711TRANSPORT EMERGENCY Phone: CHEMTREC1-800-424-9300 (toll free) or 1-703-527-3887Internet: w ww.henkelna.com

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### 2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW WARNING: BONDS SKIN IN SECONDS. COMBUSTIBLE LIQUID. CAUSES EYE IRRITATION. MAY CAUSE RESPIRATORY IRRITATION. SUSPECTED OF CAUSING CANCER.

LOCTITE 410 BK INSTANT ADH.

HAZARD CLASS	HAZARD CATEGORY
FLAMMABLE LIQUID	4
EYE IRRITATION	2B
CARCINOGENICITY	2
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	3



#### **Precautionary Statements**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep aw ay from heat, sparks, open flames, hot surfaces - no smoking. Avoid breathing vapors, mist, or spray. Wash affected area thoroughly after handling. Use only outdoors or in a w ell-ventilated area. Wear protective gloves, clothing, eye and face protection.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unw ell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical attention. If eye irritation persists: Get medical attention. In case of fire: Use foam, dry chemical or carbon dioxide to extinguish.
Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store locked up.

#### Disposal:

Dispose of contents and/or container according to Federal, State/Provincial and local governmental regulations.

Classification complies with OSHA Hazard Communication Standard (29 CFR 1910.1200) and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labeling of Chemicals (GHS).

#### See Section 11 for additional toxicological information.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Component(s)	CASNumber	Percentage*	
Ethyl 2-cyanoacrylate	7085-85-0	80 - 90	
Treated fumed silica	67762-90-7	1 - 5	
Carbon black	1333-86-4	1 - 5	
Hydroquinone	123-31-9	0.1 - 1	
Phthalic anhydride	85-44-9	0.1 - 1	

\* Exact percentages may vary or are trade secret. Concentration range is provided to assist users in providing appropriate protections.

Inhalation:	Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. If symptoms develop and persist, get medical attention
Skin contact:	Do not pull bonded skin apart. Soak in w armsoapy water. Gently peel apa using a blunt instrument. If skin is burned due to the rapid generation of he by a large drop, seek medical attention. If lips are bonded, apply w arm wai to the lips and encourage w etting and pressure from saliva in mouth. Peel roll lips apart. Do not pull lips apart w ith direct opposing force.
Eye contact:	Immediately flush with plenty of waterfor at least 15 minutes. Get medical attention. If eyelids are bonded closed, release eyelashes with warm wate covering with a wet pad. Do not force eye open. Cyanoacrylate will bond t eye protein and will cause a lachrymatory effect which will help to debond t adhesive. Keep eye covered until debonding is complete, usually within 1-days. Medical attention should be sought in case solid particles of polymerized cyanoacrylate trapped behind the eyelid caused abrasive damage.
Ingestion:	Ensure breathing passages are not obstructed. The product will polymerize rapidly and bond to the mouth making it almost impossible to sw allow. Sali will separate any solidified product in several hours. Prevent the patient fro sw allowing any separated mass.
Symptoms:	See Section 11.
Notes to physician:	Surgery is not necessary to separate accidentally bonded tissues. Experien has show n that bonded tissues are best treated by passive, non-surgical fi aid. If rapid curing has caused thermal burns they should be treated symptomatically after adhesive is removed.
	5. FIRE FIGHTING MEASURES
Extinguishing media:	Water spray (fog), foam, dry chemical or carbon dioxide.
Special fire fighting procedures:	Wear a self-contained breathing apparatus with a full face piece operated in pressure-demand or other positive pressure mode.

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Unusual fire or explosion hazards:

None

Hazardous combustion products:

Trace amounts of toxic and/or irritating fumes may be released and the use of breathing apparatus is recommended.

# 6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, is olate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:	Ventilate area. Do not allow product to enter sew er or waterways.
Clean-up methods:	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. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling.

Storage:

Keep in a cool, w ell ventilated area aw ay fromheat, sparks and open flame. Keep container tightly closed until ready for use.

# 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous Component(s)	ACGIH TLV	osha pel	AIHA WEEL	OTHER
Ethyl 2-cyanoacrylate	0.2 ppm TWA	None	None	None
Treated fumed silica	10 mg/m3 TWA Inhalable dust. 3 mg/m3 TWA Respirable fraction.	15 mg/m3 TWA Total dust. 5 mg/m3 TWA Respirable fraction.	None	None
Carbon black	3 mg/m3 TWA Inhalable fraction.	3.5 mg/m3 PEL	None	None
Hydroquinone	1 mg/m3 TWA (Dermal sensitization)	2 mg/m3 PEL	None	None
Phthalic anhydride	(SKIN) Inhalable fraction and vapor. 0.005 mg/m3 STEL Inhalable fraction and vapor. 0.002 mg/m3 TWA Inhalable fraction and vapor. (Respiratory sensitization) (Dermal sensitization)	2 ppm (12 mg/m3) PEL	None	None

Engineering controls:

Respiratory protection:

Eye/face protection:

Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

to maintain vapor concentration below established exposure limits.

Use positive dow n-draft exhaust ventilation if general ventilation is insufficient

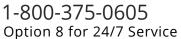
Safety goggles or safety glasses with side shields. Full face protection should be used if the potential for splashing or spraying of product exists.

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#### Skin protection:

Stability:

Use nitrile gloves and aprons as necessary to prevent contact. Do not use PVC, nylon or cotton.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid		
Physical state: Color:	Liquid black		
Odor:	Sharp, irritating		
Odor threshold:	1 - 2 ppm		
pH:	Not applicable		
Vapor pressure:	< 0.2 mm hg (77 °F (25°C))		
Boiling point/range:	> 300 °F (> 148.9 °C)		
Melting point/ range:	Not determined		
Specific gravity:	1.1		
Vapor density:	Approximately		
Flash point:	80 - 93 °C (176°F - 199.4 °F) Tagliabue closed cup		
Flam mable/Explosive limits - low er:	Not determined		
Flammable/Explosive limits - upper:	Not determined		
Autoignition temperature:	485 °C (905°F)		
Flam mability:	Not applicable		
Evaporation rate:	Not available.		
Solubility in water:	Polymerises in presence of water.		
Partition coefficient (n-octanol/water):	Not applicable		
VOC content:	< 2 %; < 20 g/l (California SCAQMD Method 316B) (Estimated)		
Viscosity:	Not available.		
Decomposition temperature:	Not available.		
10. STABILITY AND REACTIVITY			

## Stable under recommended storage conditions. Hazardous reactions: Rapid exothermic polymerization will occur in the presence of water, amines, alkalis and . alcohole

	alconois.
Hazardous decomposition products:	None
Incompatible materials:	Water, amines, alkalis and alcohols.
Reactivity:	Not available.
Conditions to avoid:	Spontaneous polymerization.

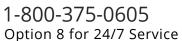
### **11. TOXICOLOGICAL INFORMATION**

Relevant routes of exposure: Skin, Inhalation, Eyes

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#### Potential Health Effects/Symptoms

Inhalation:	May cause respiratory tract irritation. Exposure to vapors above the established exposure limit results in respiratory irritation, w hich may lead to difficulty in breathing and tightness in the chest.
Skin contact:	Bonds skin in seconds. May cause skin irritation. Cyanoacrylates have been reported to cause allergic reaction but due to rapid polymerization at the skin surface, an allergic response is rare. Cyanoacrylates generate heat on solidification. In rare circumstances a large drop will burn the skin. Cured adhesive does not present a health hazard even if bonded to the skin.
Eye contact: Ingestion:	Causes eye irritation. Irritating to eyes. Causes excessive tearing. Eyelids may bond. Not expected to be harmful by ingestion. Rapidly polymerizes (solidifies) and bonds in mouth. It is almost impossible to sw allow.

Hazardous Component(s)	LD50s and LC50s	Immediate and Delayed Health Effects
Ethyl 2-cyanoacrylate	None	Irritant, Allergen, Respiratory
Treated fumed silica	None	Irritant
Carbon black	Oral LD50 (Rat) = > 8,000 mg/kg	Respiratory, Some evidence of carcinogenicity
Hydroquinone	Oral LD50 (Rat) = 320 mg/kg Oral LD50 (Mouse) = 245 mg/kg Oral LD50 (Rabbit) = 540 mg/kg Dermal LD50 (Rat) = > 900 mg/kg	Blood, Bone Marrow , Central nervous system, Developmental, Eyes, Immune system, Irritant, Liver, Mutagen, Skin, Thyroid
Phthalic anhydride	Oral LD50 (Rat) = 800 mg/kg Oral LD50 (Mouse) = 1,500 mg/kg Oral LD50 (Rat) = 1,530 mg/kg Oral LD50 (Rat) = 4,020 mg/kg Oral LD50 (Rabbit) = > 1,000 mg/kg Dermal LD50 (Rabbit) = > 3,160 mg/kg	Allergen, Corrosive, Irritant, Respiratory

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Ethyl 2-cyanoacrylate	No	No	No
Treated fumed silica	No	No	No
Carbon black	No	Group 2B	No
Hydroquinone	No	No	No
Phthalic anhydride	No	No	No

## 12. ECOLOGICAL INFORMATION

Ecological information:

Not know n.

### **13. DISPOSAL CONSIDERATIONS**

Information provided is for unused product only.

Recommended method of disposal:

Follow all local, state, federal and provincial regulations for disposal.

Hazardous waste number:

Not a RCRA hazardous waste.

# **14. TRANSPORT INFORMATION**

The transport information provided in this section only applies to the material/formulation itself, and is not specific to any package/configuration.

U.S. Department of Transportation Ground (49 CFR)

Propershipping name: Hazard class or division: Identification number: Packing group: Combustible liquid, n.o.s. (Cyanoacrylate ester) Combustible Liquid NA 1993 III

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International Air Transportation (ICAO/IATA) Propershipping name: Hazard class or division:	Aviation regulated liquid, n.o.s. (Cyanoacrylate ester) 9
Identification number:	UN 3334
Packing group:	Ш
Water Transportation (IMO/IMDG)	
Propershipping name:	Not regulated
Hazard class or division:	None
Identification number:	None
Packing group:	None

# 15. REGULATORY INFORMATION

#### United States Regulatory Information

TSCA 8 (b) Inventory Status:	All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.
TSCA 12 (b) Export Notification:	None above reporting de minimis
CERCLA/SARA Section 302 EHS: CERCLA/SARA Section 311/312: CERCLA/SARA Section 313:	Hydroquinone (CAS# 123-31-9). Fire, Reactive, Delayed Health, Immediate Health None above reporting de minimis.
California Proposition 65:	This product contains a chemical know n in the State of California to cause cancer. This product contains a chemical know n to the State of California to cause birth defects or other reproductive harm.
Canada Regulatory Information	
CEPA DSI /NDSI Status	All components are listed on or are exempt from listing on the Canadian Domestic

16. OTHER INFORMATION

This safety data sheet contains changes from the previous version in sections: New Safety Data Sheet format.

Substances List.

Prepared by: Product Safety and Regulatory Affairs

**Issue date:** 03/01/2018

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