Material Safety Data Sheet

Issue date: 30/APR/2013

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product: Cyanoacrylate Adhesive

Type: Ultra Pro - B4

Company address: Contact Information:

Zenith Cosmetic **Telephone:** (82) 70-7530-3407

#1309, 128 Jomaru-ro 385beon-gil Bucheon-si, Gyeonggi-do, Korea

Emergency telephone: (82) 2-2625-7433

2. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients(INCI)	Cas No	%
Cyanoacrylate	7085-85-0	90-99
Carbon Black	1333-86-4	0-0.4
Thickener	Proprietary	1-7

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW				
	HMIS:			
Physical state: Liquid	HEALTH:	2		
Color: Straw coloured	FLAMMABILITY:	2		
Odor: Sharp, Irritating	PHYSICAL HAZARD:	1		
	Personal Protection:	See Section 8		
warning: may cause eye and respirator	y irritation.			
BONDS SKIN IN SECONDS.				

Potential Health Effects

Inhalation: Exposure to vapors above the established exposure

limit results in respiratory irritation which may lead to

difficulty in breathing and tightness in the chest.

Skin contact: Bonds skin in seconds. May cause skin irritation.

Allergic reactions are possible.

Eye contact: Irritating to eyes. Causes excessive tearing. Eyelids may

bond.

Ingestion: Not expected to be harmful by ingestion. Rapidly

polymerizes (solidifies) and bonds in mouth.

It is almost impossible to swallow.

Existing conditions aggravated by

exposure: Skin , eye, and respiratory disorders.

GHS Classification Flammable liquids (Category 4)

Skin irritation (Category 2) Eye irritation (Category 2A)

Specific target organ toxicity – single exposure (Category 3)

GHS Label elements, including precautionary statements:



Pictogram:

Signal word: Warning

Hazard statement(s):

H315: Causes skin irritation.

H319: Causes serious eye irritation.H335: May cause respiratory irritation.

Precautionary statement(s):

P261: Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray.

P305+ P351+ P338: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses. If present and easy to do.

Continue rinsing.

4. FIRST AID MEASURES

Inhalation: Remove to fresh air. Prolonged or repeated elevated exposure

may cause allergic reactions with asthmalike symptoms in

sensitive individuals.

Skin contact: Do not pull bonded skin apart.

Wash with soap and water. Gently peel apart using a dull

instrument.

If skin is burned due to the rapid generation of heat by a large drop, seek medical attention. If lips are bonded, apply warm water to the lips and encourage wetting and pressure from saliva in mouth. Peel or roll lips apart. Do not pull lips

apart with direct opposing force.

Eye contact: Immediately flush with plenty of water for at least 15 minutes.

Get medical attention. If eyelids are bonded closed, release eyelashes with warm water by covering with a wet pad. Do not force eye open. Cyanoacrylate will bond to eye protein and will cause a lachrymatory effect which will help to debond the adhesive. Keep eye covered until debonding is complete, usually within 1-3 days. Medical attention should be sought in case solid particles of polymerized cyanoacrylate trapped

behind the eyelid caused abrasive damage.

Ingestion: Peel or roll skin apart. Adhesive becomes solid in contact with

saliva and may adhere to inside of mouth. Saliva will lift adhesive in 1-2 days. Avoid swallowing solid adhesive after

detachment. Not a toxic product.

Notes to physician: Surgery is not necessary to separate accidentally bonded

tissues. Experience has shown that bonded tissues are best treated by passive, non-surgical first aid. If rapid curing has caused thermal burns they should be treated symptomatically

after adhesive is removed.

5. FIRE-FIGHTING MEASURES

Flash point: ≥80°C (176°F) Tagliabue closed cup

Flammable/Explosive limits-lower %: Not determined Flammable/Explosive limits-upper %: Not determined

Extinguishing media: Dry powder. Foam. Water spray. Carbon dioxide.

Special fire fighting procedures: Fire fighters should wear positive pressure

self-contained breathing apparatus (SCBA).

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

Environmental precautions: Prevent further leakage or spillage if safe to do

so. Do not let product enter drains.

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 eyes, skin and clothing.

Avoid breathing vapor and mist.

Keep container closed when not in use.

Storage: Keep in a cool, well ventilated area away from

heat, sparks and open flame. Keep container tightly closed until ready for use. Recommended

storage temperature: 2-8 °C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: Use positive down-draft exhaust ventilation

if general ventilation is insufficient to maintain vapor concentration below established exposure

limits.

Respiratory protection: Use NIOSH approved respirator if there is potential

to exceed exposure limit(s). Observe OSHA

regulations for respiratory use (29 CFR 1910.134).

Skin protection: Use nitrile gloves and aprons as necessary to

prevent contact. Do not use PVC, nylon or cotton.

Eye/face protection: Chemical splash goggles or safety glasses with side

shields.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid

Color: Black coloured
Odor: Sharp, Irritating

Odor Threshold: 1-2 ppm

Vapor pressure: Less than 0.2 mm Hg at 25°C (77°F)

pH: Not applicable

Boiling point/range: Greater than 100°C (212°F)

Melting point/range:Not determinedSpecific gravity:1.07 at 20°CVapor density:Approximately 3Evaporation rate:Not available

Solubility in water: Polymerizes in presence of water

Partition coefficient (n-octanol/water): Not determined

VOC content: Less than 2%; 20 g/L (California SCAQMD Method

316B) (estimated)

10. STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions

Hazardous polymerization: Rapid exothermic polymerization will occur in the

presence of water, amines, alkalis and alcohols.

Hazardous decomposition products: None

Incompatability: Polymerized by water, alcohol, amines, alkaline

materials and direct UV.

Conditions to avoid: Avoid temperature above 80°C (176°F), moisture and

alkaline.

11. TOXICOLOGICAL INFORMATION

Product toxicity data: Acute oral LD50 >5000mg/kg (rat)(estimated).

Acute dermal LD50 >2000mg/kg (rabbit)(estimated).

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA
Ethyl Cyanoacrylate	NIa	NIe	Nie
7058-85-0	No	No	No
Carbon black	No	No	No
1333-86-4		INO	INU

Literature Referenced Target Organ & Other Health Effects

Health Effects Hazardous	Health Effects/Target Organs
Ethyl Cyanoacrylate	Allergen, Irritant, Respiratory
Carbon Black	Allergen, Irritant, Respiratory

12. ECOLOGICAL INFORMATION

Ecological information: Not known

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of in accordance with Federal, State

and local regulations.

EPA hazardous waste number: Not a RCRA hazardous waste.

14. TRANSPORT INFORMATION

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

Proper shipping name: None. Non-hazardous for transport.

Hazard class or division: Unrestricted

Identification number:NonePacking group:NoneExceptions:NoneMarine pollutant:None

International Air Transportation (ICAO/IATA):

Proper shipping name: None. Non-hazardous for transport.

Hazard class or division: Unrestricted

Identification number:NonePacking group:NoneExceptions:None

Water Transportation (IMO/IMDG):

Proper shipping name: Not regulated

Hazard class or division:NoneIdentification number:NonePacking group:NoneMarine pollutant:None

15. REGULATORY INFORMATION

United States Regulatory Information

TSCA 8 (b) Inventory Status: All ingredients in this mixture are in compliance with TSCA.

TSCA 12 (b) Export Notification: None. CERCLA/SARA Section 302 EHS: None.

CERCLA/SARA Section 311/312: Immediate Health Hazard, Delayed Health Hazard,

Fire, Reactive

CERCLA/SARA 313: None

California Proposition 65: No California Proposition 65 listed chemicals are

known to be present.

Canada Regulatory Information

CEPA DSL/NDSL Status: All components are listed on or are exempt from

listing on the Domestic Substances List.

WHMIS hazard class: B.3, D.2.B



EEC Label symbol and classification:

"Xi"- Irritant

16. OTHER INFORMATION

DISCLAIMER:

All the information of Material Safety Data Sheet is provided on the basis in good faith, and is believed to be trustworthy but is for reference only.

Adhesion is very complicated and the result of it is much dependent on the surface material, additives, releasing agents of the substrates and user's methods. Zenith Cosmetic and its agents, dealers, distributors, directors and employees do not accept any liability for the results whatsoever arising from the use of Zenith Cosmetic's products due that the utilization of these products is simply out of Zenith Cosmetic's control. The users are responsible for selecting the suitability of the products and methods of use.