

**NEMPAL 502 Fast & Strong Super Glue**Version:  
24-01Revision Date:  
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01/09/2024**SECTION 1: Identification of the hazardous chemical and of the supplier****1.1 Product identifier**

Name : 502 Fast &amp; Strong Super Glue

**1.2 Other means of identification**

No additional information available

**1.3 Recommended use of the chemical and restrictions on use**

Recommended use : Adhesive

**1.4 Supplier details**

Company : Bond Alike Sdn. Bhd.  
Address : No. 15, Jalan BP 4/1, Bandar Bukit Puchong, 47120 Puchong, Selangor, Malaysia.  
Phone : +603-5889 1615  
Email : info@nempal.com

**1.5 Emergency phone number**

+603-5889 1615


**SECTION 2: Hazards identification****2.1 Classification of the hazardous chemical**

Classification according to Industry Code of Practice on chemicals classification and hazard communication (2019)

Skin corrosion or irritation, Category 2	H315
Serious eye damage or eye irritation, Category 2	H319
Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation	H335

**2.2 Label elements**

Labelling according to Industry Code of Practice on chemicals classification and hazard communication (2019)

Hazard pictograms (GHS MY)	:	
Signal word (GHS MY)	:	Danger
Contains	:	ethyl 2-cyanoacrylate
Hazard statements (GHS MY)	:	H315 - Causes skin irritation. H319 - Causes serious eye irritation. H335 - May cause respiratory irritation. P261 - Avoid breathing dust/fume/gas/mist/vapours/spray. P264 - Wash hands, forearms and face thoroughly after handling.
Precautionary statements (GHS MY)	:	P271 - Use only outdoors or in a well-ventilated area. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 - IF ON SKIN: Wash with plenty of water/... P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**2.3 Other hazards that do not result in classification**

No additional information available

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01/09/2024**SECTION 3: Composition and information of the ingredients of the hazardous chemical****3.1 Substances**

Not applicable

**3.2 Mixtures**

Name	Product identifier	%	Classification according to Industry Code of Practice on chemicals classification and hazard communication (2019)
ethyl 2-cyanoacrylate	CAS-No.: 7085-85-0	≥ 90	Flam. Liq. Not classified Acute Tox. Not classified (Oral) Acute Tox. Not classified (Dermal) Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335

**SECTION 4: First-aid measures****4.1 Description of necessary first aid measures**

- First-aid measures general : IF exposed or concerned: Get medical advice/attention.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell.
- First-aid measures after skin contact : Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation occurs: Get medical advice/attention.
- First-aid measures after eye contact : 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.
- First-aid measures after ingestion : Call a poison centre or a doctor if feel unwell.

**4.2 Most important symptoms/effects, acute and delayed**

- Symptoms/effects after inhalation : May cause respiratory irritation.
- Symptoms/effects after skin contact : Irritation.
- Symptoms/effects after eye contact : Eye Irritation.

**4.3 Indication of immediate medical attention and special treatment needed, if necessary**

- Other medical advice or treatment : Treat symptomatically.

**SECTION 5: Fire-fighting measures****5.1 Suitable extinguishing media**

- Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

**5.2 Physicochemical hazards arising from the chemical**

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Hazardous decomposition products in case of fire : Toxic fumes may be released.

**5.3 Special protective equipment and precautions for fire fighters**

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment, and emergency procedures****6.1.1 For non-emergency personnel**

Emergency procedures : Ventilate spillage area. Do not breathe dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes.

**6.1.2 For emergency responders**

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection"

**6.2. Environmental precautions**

Avoid release to the environment.

**6.3. Methods and materials for containment and cleaning up**

For containment : Collect spillage.  
Methods for cleaning up : Take up liquid spill into absorbent material.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling**

Precautions for safe handling : Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray. Avoid contact with skin and eyes. Wear personal protective equipment.  
Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

**7.2 Conditions for safe storage, including any incompatibilities**

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

**SECTION 8: Exposure controls and personal protection****8.1 Control parameters**

ethyl 2-cyanoacrylate (7085-85-0)
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Malaysia - Occupational Exposure Limits		
Local name	:	Etil sianoakrilat # Ethyl cyanoacrylate
PEL TWA (ppm)	:	0.2 ppm
MEL (ppm)	:	0.6 ppm
USA - ACGIH - Occupational Exposure Limits		
Local name	:	Ethyl cyanoacrylate
ACGIH TWA (ppm)	:	0.2 ppm
ACGIH STEL (ppm)	:	1 ppm
Remark (ACGIH)	:	TLV® Basis: Eye & URT irr; asthma. Notations: DSEN; RSEN
Regulatory reference	:	ACGIH 2021

### Exposure limit values for the other components

No additional information available

### 8.1.1 Biological monitoring




No additional information available

### 8.2 Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the workstation.

### 8.3. Individual protection measures, such as PPE

Hand protection : Protective gloves  
 Eye protection : Safety glasses  
 Skin and body protection : Wear suitable protective clothing  
 Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):   

Environmental exposure controls : Avoid release to the environment

## SECTION 9: Physical and chemical properties

Physical state : Liquid  
 Appearance : No data available  
 Colour : Colourless  
 Odour : Pungent  
 Odour threshold : No data available  
 pH : Not applicable  
 Melting point : -31° C  
 Freezing point : No data available  
 Boiling point : 214° C  
 Flash point : 85° C  
 Evaporation rate : No data available  
 Flammability (solid, gas) : Not applicable  
 Explosive limits : No data available  
 Vapour pressure : Vapour pressure: ≤ 0,21 hPa  
 Relative vapour density at 20 °C : Not applicable  
 Relative density : ≈ 1.04  
 Solubility : Insoluble in water. Water: 0,00002 g/l

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Partition coefficient n-octanol/water (Log Pow)	:	1.42
Partition coefficient n-octanol/water (Log Kow)	:	No data available
Auto-ignition temperature	:	480° C
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available

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**SECTION 10: Stability and reactivity**

Reactivity	:	The product is non-reactive under normal conditions of use, storage and transport
Chemical stability	:	Stable under normal conditions
Possibility of hazardous reactions	:	No dangerous reactions known under normal conditions of use
Conditions to avoid	:	Heat, flames or sparks
Incompatible materials	:	Reducing agents, water, Amines, alcohols, Alkali metals, oxidizing agent
Hazardous decomposition products	:	Under normal conditions of storage and use, hazardous decomposition products should not be produced

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**SECTION 11: Toxicological information****11.1 Information on toxicological effects**

Acute toxicity (oral)	:	Not classified
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Not classified

<b>ethyl 2-cyanoacrylate (7085-85-0)</b>		
LD50 oral rat	:	> 5000 mg/kg
LD50 dermal rabbit	:	> 2000 mg/kg

Skin corrosion/irritation	:	Causes skin irritation. pH: Not applicable
Serious eye damage/irritation	:	Not classified
Respiratory sensitization	:	Not classified
Skin sensitization	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified
Reproductive toxicity	:	Not classified
STOT-single exposure	:	May cause respiratory irritation.

<b>ethyl 2-cyanoacrylate (7085-85-0)</b>	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure	:	Not classified
Aspiration hazard	:	Not classified

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**SECTION 12: Ecological information****12.1 Ecotoxicity**

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Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Not classified

### 12.2 Persistence and degradability

No additional information available

### 12.3 Bioaccumulative potential

502 Fast & Strong Super Glue		
Partition coefficient n-octanol/water (Log Pow)	:	1.42
Bioaccumulative potential	:	No additional information available

ethyl 2-cyanoacrylate (7085-85-0)		
Partition coefficient n-octanol/water (Log Pow)	:	≈ 0,776

### 12.4 Mobility in soil

502 Fast & Strong Super Glue		
Mobility in soil	:	No additional information available
Partition coefficient n-octanol/water (Log Pow)	:	1.42

ethyl 2-cyanoacrylate (7085-85-0)		
Partition coefficient n-octanol/water (Log Pow)	:	≈ 0,776

### 12.5 Other adverse effects

Ozone : Not classified

Other adverse effects : No additional information available

## SECTION 13: Disposal information

### 13.1 Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transportation information

In accordance with IMDG / IATA / UN RTDG.

### 14.1 UN number

UN-No.(UN RTDG) : Not regulated for transport

UN-No. (IMDG) : Not regulated for transport

UN-No. (IATA) : Not regulated for transport

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### 14.2 UN proper shipping name

Proper Shipping Name (UN RTDG) : Not regulated for transport  
 Proper Shipping Name (IMDG) : Not regulated for transport  
 Proper Shipping Name (IATA) : Not regulated for transport

### 14.3 Transport hazard class(es)

#### UN RTDG

Transport hazard class(es) (UN RTDG) : Not regulated

#### IMDG

Transport hazard class(es) (IMDG) : Not regulated

#### IATA

Transport hazard class(es) (IATA) : Not regulated

### 14.4 Packing Group, if applicable

Packing group (UN RTDG) : Not regulated  
 Packing group (IMDG) : Not regulated  
 Packing group (IATA) : Not regulated

### 14.5 Environmental hazards

Other information : No supplementary information available

### 14.6 Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code)

Not applicable

### 14.7 Special precautions for user

Not regulated

### 14.8 Hazchem or Emergency Action Code

Not applicable

## SECTION 15: Regulatory information

### 15.1 Safety, health, and environmental regulations specific for the hazardous chemical in question

Regulation	Component/ Mixture
<b>EHS Notification and Registration Scheme</b>	502 Fast & Strong Super Glue
Environmental Quality (Chlorofluorocarbons Prohibition) Order 1993	
Environmental Quality (Industrial Effluent) Regulations 2009	
Environmental Quality (Scheduled Wastes) Regulations 2007	
Control of Industrial Major Accident Hazards Regulations 1996	
Prohibition of Use of Substance Order 1999	
Use and Standards of Exposure of Chemical Hazardous to Health Regulations 2000	
Chemical Weapons Convention Act	
Corrosive and Explosive Substances and Offensive Weapons Act	

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Dangerous Drugs Act		
Pesticides Act		
Petroleum (Safety Measures) Act		
Poisons Act 1952		
Poisons (Psychotropic Substances) Regulations 1989		

**15.2 International agreements**

No additional information available

**SECTION 16: Other information****16.1 Full text of H-statements**

Acute Tox. Not classified (Dermal) : Acute toxicity (dermal) Not classified  
Acute Tox. Not classified (Oral) : Acute toxicity (oral) Not classified  
H315 : Causes skin irritation.  
H319 : Causes serious eye irritation.  
H335 : May cause respiratory irritation.

**16.2 Abbreviations and acronyms**

CAS-No. - Chemical Abstract Service number  
ATE - Acute Toxicity Estimate  
EC50 - Median effective concentration  
EC-No. - European Community number  
IATA - International Air Transport Association  
IMDG - International Maritime Dangerous Goods  
LC50 - Median lethal concentration  
LD50 - Median lethal dose  
LOAEL - Lowest Observed Adverse Effect Level  
N.O.S. - Not Otherwise Specified  
NOAEC - No-Observed Adverse Effect Concentration  
NOAEL - No-Observed Adverse Effect Level  
NOEC - No-Observed Effect Concentration  
OEL - Occupational Exposure Limit  
SDS - Safety Data Sheet

**16.3 Date Format**

Date format : dd/mm/yyyy

**Safety Data Sheet (SDS), Malaysia**

Safety Data Sheets are updated from time to time. Please ensure that you have the latest copy. SDS may be obtained from the following website [www.nempal.com](http://www.nempal.com)

The information provided is based on our current knowledge and is intended solely to describe the product for health, safety, and environmental compliance purposes. It should not be interpreted as a warranty of any particular product characteristic.