

NEMPAL[®] 502 Fast & Strong Super GlueVersion:
26-01Revision Date:
27/06/2026Date of Last Issue:
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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 & 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. 16, Jalan Inovatif 2/3, KIIP@Kuala Langat, 42700 Banting, 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.
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SECTION 5: Fire-fighting measures**5.1 Suitable extinguishing media**

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

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

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

ethyl 2-cyanoacrylate (7085-85-0)		
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.

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

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

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.
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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
EHS Notification and Registration Scheme	Not applicable	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

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.