

NEMPAL[®] 102 Multi Purpose Silicone SealantVersion:
26-01Revision Date:
23 June 2026Date of Last Issue:
-Date of First Issue:
01/09/2024**SECTION 1: Identification of the hazardous chemical and of the supplier****1.1 Product identifier**Name : NEMPAL[®] 102 Multi Purpose Silicone Sealant**1.2 Other means of identification**

No additional information available

1.3 Recommended use of the chemical and restrictions on use

Recommended use : Sealant

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)
Not classified

2.2 Label elements

Labelling according to Industry Code of Practice on chemicals classification and hazard communication (2019)
No labelling applicable

2.3 Other hazards that do not result in classification

No additional information available

SECTION 3: Composition and information of the ingredients of the hazardous chemical**3.1 Substances**

Not applicable

3.2 Mixtures

Name	Product identifier	%
Paraffin oils	CAS-No.: 8012-95-1	10 - 20
Poly[oxy(dimethylsilylene)]	CAS-No.: 9016-00-6	35 - 55
Dimethyl silicone	CAS-No.: 9006-65-9	15 – 25
Silica, amorphous, fumed, crystalline-free	CAS-No.: 112945-52-5	1 – 10
Silanetriol, methyl-, triacetate	CAS-No.: 4253-34-3	1 – 10
Dibutyltin diacetate	CAS-No.: 1067-33-0	0.05 – 0.2

NEMPAL® 102 Multi Purpose Silicone Sealant

Version:
26-01

Revision Date:
23 June 2026

Date of Last Issue:
-

Date of First Issue:
01/09/2024

SECTION 4: First-aid measures

4.1 Description of necessary first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact : Wash skin with plenty of water.
First-aid measures after eye contact : Rinse eyes with water as a precaution.
First-aid measures after ingestion : Call a poison center or a doctor if you feel unwell

4.2 Most important symptoms/effects, acute and delayed

No additional information available

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.

5.2 Physicochemical hazards arising from the chemical

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.

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

Methods for cleaning up : Mechanically recover the product.

NEMPAL® 102 Multi Purpose Silicone Sealant

Version:
26-01

Revision Date:
23 June 2026

Date of Last Issue:
-

Date of First Issue:
01/09/2024

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the workstation. Wear personal protective equipment.
Hygiene measures : 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 in a well-ventilated place. Keep cool.

SECTION 8: Exposure controls and personal protection

8.1 Control parameters

Paraffin oils (8012-95-1)	
India - Occupational Exposure Limits	
PEL TWA (mg/m ³)	5 mg/m ³
PEL STEL (mg/m ³)	10 mg/m ³
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (mg/m ³)	5 mg/m ³ (excluding metal working fluids, highly & severely refined-inhalable particulate matter)
ACGIH chemical category	Not Classifiable as a Human Carcinogen highly and severely refined, Suspected Human Carcinogen highly and severely refined

8.2 Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

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 : Solid
Appearance : Paste.
Colour : Various colours
Odour : acidic
Odour threshold : No data available
pH : No data available
Melting point : No data available
Freezing point : Not applicable

NEMPAL[®] 102 Multi Purpose Silicone SealantVersion:
26-01Revision Date:
23 June 2026Date of Last Issue:
-Date of First Issue:
01/09/2024

Boiling point	:	No data available
Flash point	:	Not applicable
Evaporation rate	:	No data available
Flammability (solid, gas)	:	Non flammable.
Explosive limits	:	Not applicable
Vapour pressure	:	No data available
Relative vapour density at 20 °C	:	No data available
Relative density	:	1.0
Solubility	:	No data available
Partition coefficient n-octanol/water (Log Pow)	:	No data available
Partition coefficient n-octanol/water (Log Kow)	:	No data available
Auto-ignition temperature	:	Not applicable
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	:	None under recommended storage and handling conditions (see section 7)
Incompatible materials	:	No data available
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

Paraffin oils (8012-95-1)	
LD50 oral rat	> 24 g/kg
LC50 inhalation rat (ppm)	2062 ppm/4h
Silica, amorphous, fumed, crystalline-free (112945-52-5)	
LD50 oral rat	3160 mg/kg
Dimethyl silicone (9006-65-9)	
LD50 dermal rat	> 2008 mg/kg
Silanetriol, methyl-, triacetate (4253-34-3)	
LD50 oral rat	2060 mg/kg
Dibutyltin diacetate (1067-33-0)	
LD50 oral rat	32 mg/kg

Skin corrosion/irritation	:	Not classified
---------------------------	---	----------------

NEMPAL[®] 102 Multi Purpose Silicone SealantVersion:
26-01Revision Date:
23 June 2026Date of Last Issue:
-Date of First Issue:
01/09/2024

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	:	Not classified
STOT-repeated exposure	:	Not classified
Aspiration hazard	:	Not classified.
Viscosity, kinematic	:	> 40 mm ² /s Not applicable

SECTION 12: Ecological information**12.1 Ecotoxicity**

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

No additional information available

12.4 Mobility in soil

No additional information available

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 instruct
-------------------------	---	--

SECTION 14: Transportation information**14.1 UN number**

Not regulated for transport

14.2 UN proper shipping name

Proper Shipping Name (UN RTDG)	:	Not applicable
Proper Shipping Name (IMDG)	:	Not applicable

NEMPAL® 102 Multi Purpose Silicone Sealant

Version:
26-01

Revision Date:
23 June 2026

Date of Last Issue:
-

Date of First Issue:
01/09/2024

Proper Shipping Name (IATA) : Not applicable

14.3 Transport hazard class(es)

UN RTDG

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

IMDG

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

IATA

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

14.4 Packing Group, if applicable

Packing group (UN RTDG) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

14.5 Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : No supplementary information available

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

UN RTDG

No data available

IMDG

No data available

IATA

No data available

14.7 Special precautions for user

Not applicable

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

US Federal regulations

Paraffin oils (8012-95-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Silanetriol, methyl-, triacetate (4253-34-3)
Listed on the United States TSCA (Toxic Substances Control Act) inventory
Dibutyltin diacetate (1067-33-0)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

CANADA

NEMPAL[®] 102 Multi Purpose Silicone SealantVersion:
26-01Revision Date:
23 June 2026Date of Last Issue:
-Date of First Issue:
01/09/2024

Poly[oxy(dimethylsilylene)] (9016-00-6)
Listed on the Canadian DSL (Domestic Substances List)
Paraffin oils (8012-95-1)
Listed on the Canadian DSL (Domestic Substances List)
Silica, amorphous, fumed, crystalline-free (112945-52-5)
Listed on the Canadian DSL (Domestic Substances List)
Dimethyl silicone (9006-65-9)
Listed on the Canadian DSL (Domestic Substances List)
Silanetriol, methyl-, triacetate (4253-34-3)
Listed on the Canadian DSL (Domestic Substances List)
Dibutyltin diacetate (1067-33-0)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

Paraffin oils (8012-95-1)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Silanetriol, methyl-, triacetate (4253-34-3)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)
Dibutyltin diacetate (1067-33-0)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

15.2 International agreements

No additional information available

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

Asp. Haz. : Aspiration hazard, Category 1
Asp. Tox. Not classified : Aspiration hazard Not classified
H304 : May be fatal if swallowed and enters airways.

16.2 Date Format

Date format : dd/mm/yyyy

Abbreviations and acronyms

RID - Regulations concerning the International Carriage of Dangerous Goods by Rail
N.O.S. - Not Otherwise Specified
ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road
BCF - Bioconcentration factor
EC50 - Median effective concentration
IATA - International Air Transport Association
IMDG - International Maritime Dangerous Goods
LC50 - Median lethal concentration
LD50 - Median lethal dose

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.