Section 1 – Identification of the Material and Supplier

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Chemical Nature:	Silicone Sealant
Trade Name:	SiegelSeal N09+
Product Use:	Sealant
Creation Date:	September 2025
This version was issued:	September 2025 and is valid for 5 years from this date
Poisons Information Centre:	Call 13 11 26 from anywhere in Australia

Section 2 – Hazards Identification

2.1 Classification of the substance or mixture
Non-Hazardous Chemical according to Australian GHS criteria. Non-Dangerous Goods to the ADG Code.
Not a hazardous substance or mixture.

2.2 Label elements
No labelling according to GHS required.

2.3 Other hazards
The product hydrolyses under formation of ethanol (CAS-Nr. 64-17-5). Ethanol is classified concerning both physical and health hazards. The hydrolysis rate and consequently the relevance for the hazard profile of the product is strongly dependent on the specific conditions.
Endocrine disrupting properties - human health: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Endocrine disrupting properties - environment: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Section 3 – Composition & Information on Ingredients

3.1 Substances
not applicable

3.2 Mixtures

3.2.1 Chemical characteristics
Polydimethylsiloxane and filler and auxiliary products and alkoxysilane cross-linker

3.2.2 Ingredients

Type	CAS No.	Substance	Content %
INHA	128446-60-6	3-Aminopropyl(methyl) silsesquioxanes, ethoxy-terminated	≥1 – <3
INHA	919-30-2	3-Aminopropyltriethoxysilane	≥0.1 – <1

Type: INHA: ingredient, VERU: impurity
This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57) in amounts above ≥ 0.1%.

Section 4 – First Aid Measures

4.1 Description of first aid measures

General information:
In case of accident or if you feel unwell seek medical advice (show label or SDS where possible).

After contact with the eyes:
Rinse immediately with plenty of water. Seek medical advice in case of continuous irritation.

After contact with the skin:
Wipe off excess material with cloth or paper. Wash with plenty of water or water and soap. In the event of a visible skin change or other complaints, seek medical advice (show label or SDS where possible).

After inhalation:
Material cannot be inhaled under normal conditions.

After swallowing:
Give several small portions of water to drink. Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed
Any relevant information can be found in other parts of this section.

4.3 Advice for the doctor:
Further toxicology information in section 11 must be observed.

Section 5 – Fire Fighting Measures

5.1 Extinguishing media

Suitable extinguishing media:
alcohol-resistant foam, carbon dioxide, water mist, sprinkler system, sand, extinguishing powder.

Extinguishing media which must not be used for safety reasons:
water jet.

5.2 Special hazards arising from the substance or mixture
Risk of hazardous gasses or fumes in the event of fire. Exposure to combustion products may be a health hazard! Hazardous combustion products: toxic and very toxic fumes.

5.3 Advice for firefighters

Special protective equipment for firefighting:
Use respiratory protection independent of recirculated air. Keep unprotected persons away.

Section 6 – Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures
Secure the area. Wear personal protection equipment (see section 8). Keep unprotected persons away. If material is released indicate risk of slipping. Do not walk through spilled material.

6.2 Environmental precautions
Prevent material from entering surface waters, drains or sewers and soil. Close leak if possible without risk. Retain contaminated water/extinguishing water. Dispose of in prescribed

marked containers. Inform authorities if substance leaks into surface waters, sewerage or ground.

6.3 Methods and material for containment and cleaning up
Scoop up large quantities after dusting surfaces with sand or Fuller's earth to prevent sticking. Sweep or scrape up the spilled material and place in an appropriate chemical waste container. Clean any slippery coating that remains using a detergent / soap solution or another biodegradable cleaner. Apply sand or other inert granular material to improve traction.
Further information:
Exhaust vapours. Eliminate all sources of ignition. Consider explosion protection. Observe notes under section 7.

6.4 Reference to other sections
Relevant information in other sections has to be considered. This applies in particular for information given on personal protective equipment (section 8) and on disposal (section 13).

Section 7 – Handling and Storage

7.1 Precautions for safe handling
Precautions for safe handling:
Ensure adequate ventilation. Must be syphoned off in situ. Keep away from incompatible substances in accordance with section 10. Observe information in section 8.
Precautions against fire and explosion:
Product may release ethanol. Flammable vapours may accumulate and form explosive mixtures with air in containers, process vessels, including partial, empty and uncleaned containers and vessels, or other enclosed spaces. Keep away from sources of ignition and do not smoke. Take precautionary measures against electrostatic charging. Cool endangered containers with water.

7.2 Conditions for safe storage, including any incompatibilities
Conditions for storage rooms and vessels:
Observe local/state/federal regulations.
Advice for storage of incompatible materials:
Observe local/state/federal regulations.
Further information for storage:
Store in a dry and cool place. Protect against moisture. Store container in a well-ventilated place.

7.3 Specific end use(s)
No data available.

7.4 Regulations and standards (Australia):
Store and handle in accordance with Work Health & Safety Regulations or Occupational Health & Safety Regulations.

Section 8 – Exposure Controls and Personal Protection

8.1 Control parameters
Maximum airborne concentrations at the workplace:

Substance	Type	mg/m3	ppm	Dust fract.	Fibre/m3
Ethanol	ES_AU	1900.0	1000.0		

8.2 Exposure controls

8.2.1 Exposure in the workplace limited and controlled

General protection and hygiene measures:
Observe standard industrial hygiene practices for the handling of chemical substances. Do not eat, drink or smoke when handling.
Further information for system design and engineering measures
Observe information in section 7. Observe national regulatory requirements.

Personal protection equipment:

Respiratory protection
If inhalative exposure above the occupational exposure limit cannot be excluded, adequate respiratory protection equipment must be used. Suitable respiratory equipment: Respirator with a full-face mask, according to acknowledged standards such as EN 136.
Recommended Filter type: Gas filter type ABEK (certain inorganic, organic and acidic gases and vapours; ammonia/amines), according to acknowledged standards such as EN 14387
Observe the equipment manufacturer's information and wear time limits for respirators.

Eye protection
Protective goggles, according to acknowledged standards such as EN 166, are recommended.

Hand protection
Use of protective gloves is recommended when handling the material, according to recognized standards such as EN374.
Recommended glove types: Protective gloves made of nitrile rubber
thickness of the material: > 0.1 mm
Breakthrough time: > 480 min
Recommended glove types: Protective gloves made of butyl rubber
thickness of the material: > 0.3 mm
Breakthrough time: > 480 min
Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Note that, due to the numerous external influences (such as temperature), a chemically resistant protective glove in daily use may have a service life that is considerably shorter than the measured break through time.

8.2.2 Exposure to the environment limited and controlled
Prevent material from entering surface waters, drains or sewers and soil.

8.2.3 Specific notes (Australia):
Select and use respirators in accordance with AS1715/1716.

Section 9 – Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

Property:	**Value:**	**Method:**
Appearance		
Physical state	liquid	
Form	paste	
Colour	colourless transparent	
Odour		
Odour	alcoholic	
Odour limit		
Odour limit	exempt	
pH-Value		
pH-Value	Not applicable. Insoluble in water.	

Melting point/freezing point
Melting point / melting range .....: exempt
Initial boiling point and boiling range
Boiling point / boiling range .....: not applicable
Flash point
Flash point .....: exempt
Evaporation rate
Evaporation rate .....: not applicable
Upper/lower flammability or explosive limits
Lower explosion limit (LEL) .....: exempt
Upper explosion limit (UEL) .....: no data available
Vapour pressure
Vapour pressure .....: Exempt
Solubility(ies)
Water solubility / miscibility .....: exempt
Vapour density
Relative gas/vapour density .....: no data available
Relative Density
Relative Density .....: 1.03 (23 °C) (ISO 1183-1 A)
(Water / 4 °C = 1,00)
Density .....: 1.03 g/cm³ (23 °C) (ISO 1183-1 A)
Partition coefficient: n-octanol/water
Partition coefficient: n-octanol/water: not applicable
Auto-ignition temperature
Ignition temperature .....: > 400 °C (DIN 51794)
Decomposition temperature
Thermal decomposition .....: exempt
Viscosity
Viscosity (dynamic) .....: exempt
Viscosity (kinematic) .....: exempt
Molecular mass
Molecular mass .....: not applicable

9.2 Other information
Hydrolysis products reduce the flash point. Explosion limits for released ethanol: 3.5 - 15%(V).

Section 10 – Stability and Reactivity

10.1 – 10.3 Reactivity; Chemical stability; Possibility of hazardous reactions
If stored and handled in accordance with standard industrial practices no hazardous reactions are known.
Relevant information can possibly be found in other parts of this section.

10.4 Conditions to avoid
Moisture, heat, open flames, and other sources of ignition.

10.5 Incompatible materials
Reacts with water, basic substances and acids. The reaction takes place with the formation of ethanol.

10.6 Hazardous decomposition products
Ethanol by hydrolysis. Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

Section 11 – Toxicological Information

11.1 Information on toxicological effects

11.1.1 General information
Data derived for the product as a whole are of higher priority than data for single ingredients.

11.1.2 Acute toxicity
Product details:

Exposure routes	Result/Effect
Oral	LD50 > 2000 mg/kg Species: Rat, Source: Expert judgement
dermal	LD50 > 2000 mg/kg Species: Rat, Source: Expert judgement

11.1.3 Skin corrosion/irritation
Assessment:
Based on the available data a clinically relevant skin irritation hazard is not expected.
Temporary symptoms of an irritation cannot be excluded if the adhesive product is removed mechanically after contact.

No skin irritation Bridging principle "Substantially similar mixtures". (Species: Rabbit, Source: Expert judgement)

11.1.4 Serious eye damage/eye irritation
Assessment:
Based on the available data a clinically relevant eye irritation hazard is not expected.
Temporary symptoms of an irritation cannot be excluded if the adhesive product is removed mechanically after contact.
Product details:

No eye irritation Bridging principle "Substantially similar mixtures". (Species: Rabbit, Source: Expert judgement)

11.1.5 Respiratory or skin sensitisation
Assessment:
Paste-like mixtures which contained amino functional silane compounds with the hazard potential "skin sensitization, category 1 - H317" at concentrations from 1% to 4%, beside silicone polymer and filler, did not show any skin sensitization potential in vivo relevant for classification.
Product details:

Exposure routes	Result
Skin contact	Does not cause skin sensitisation. Bridging principle "Substantially similar mixtures". (Species: Guinea pig, Test system: Buehler Test, Source: Expert judgement)
Skin contact	Does not cause skin sensitisation. Bridging principle "Substantially similar mixtures". (Species: Mouse, Test system: Local lymph node assay (LLNA), Source: Expert judgement)
Inhalation	No data available.

11.1.6 Germ cell mutagenicity
Assessment:
For this endpoint no toxicological test data is available for the whole product.

11.1.7 Carcinogenicity
Assessment:
For this endpoint no toxicological test data is available for the whole product.

11.1.8 Reproductive toxicity
Assessment:
For this endpoint no toxicological test data is available for the whole product.

11.1.9 Specific target organ toxicity - single exposure
Assessment:
For this endpoint no toxicological test data is available for the whole product.

11.1.10 Specific target organ toxicity - repeated exposure
Assessment:
For this endpoint no toxicological test data is available for the whole product.

11.1.11 Aspiration hazard
Assessment:
Based on the physical-chemical properties of the product no aspiration hazard must be expected.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties
The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

11.2.2 Further toxicological information
None known.
Data on substances:
Product of hydrolysis (Ethanol):
Ethanol (64-17-5) is readily absorbed at all exposure routes. Ethanol may cause irritation of eyes and mucosa, trigger dysfunction of the central nervous system and cause nausea as well as dizziness. Chronic exposure to high amounts of ethanol may cause damage to liver and central nervous system.

Section 12 – Ecological Information

12.1 Toxicity
Assessment:
Based on available data no acute effects on aquatic organisms that are relevant for classification must be expected for the product up to its limits of water solubility.

12.2 Persistence and degradability
Assessment:
Polymer component: biologically not degradable. Elimination by adsorption to activated sludge.
Data on substances:
Product of hydrolysis (Ethanol):
Ethanol is readily biodegradable.

12.3 Bioaccumulative potential
Assessment:
Polymer component: No adverse effects expected.

12.4 Mobility in soil
Assessment:
Polymer component: insoluble in water.

12.5 Results of PBT and vPvB assessment
No data available.

12.6 Endocrine disrupting properties
The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects
none known.

Section 13 – Disposal Considerations

13.1 Waste treatment methods

13.1.1 Material
Recommendation:
Material that cannot be used, reprocessed or recycled should be disposed of in accordance with Federal, State, and local regulations at an approved facility. Depending on the regulations, waste treatment methods may include, e.g., landfill or incineration.

13.1.2 Uncleaned packaging
Recommendation:
Completely discharge containers (no tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations. Uncleaned packaging should be treated with the same precautions as the material.

Section 14 – Transport Information

14.1 UN number
ADG .....: Not applicable
IMDG .....: Not applicable
ICAO/IATA .....: Not applicable

14.2 Proper shipping name
ADG .....: Not applicable
IMDG .....: Not applicable
ICAO/IATA .....: Not applicable

14.3 Transport hazard class
ADG .....: Not applicable
IMDG .....: Not applicable
ICAO/IATA .....: Not applicable

14.4 Packing group
ADG .....: Not applicable
IMDG .....: Not applicable
ICAO/IATA .....: Not applicable

14.5 Environmental hazards
Environmentally hazardous: no

14.6 Special precautions for user
Relevant information in other sections has to be considered.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Bulk transport in tankers is not intended.

Section 15 – Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
National and local regulations must be observed.
For information on labelling please refer to section 2 of this document.
Poisons Standard (Standard for the Uniform Scheduling of Medicines and Poisons; SUSMP)
Poisons Schedule number:
Not a Scheduled Poison.
Label elements:

15.2 Details of international registration status
Relevant information about individual substance inventories, where available, is given below.
Japan .....: **ENCS** (Handbook of Existing and New Chemical Substances):
This product is listed in, or complies with, the substance inventory.
New Zealand .....: **NZIoC** (New Zealand Inventory of Chemicals):
This product is listed in, or complies with, the substance inventory. (For a correct interpretation of the New Zealand status, additional information like GHS classification or Group Standard is required.)
Australia .....: **AIIC** (Australian Inventory of Industrial Chemicals):
This product is listed in, or complies with, the substance inventory.

Philippines .....: **PICCS** (Philippine Inventory of Chemicals and Chemical Substances):
This product is not listed or in compliance with the substance inventory.
United States of America (USA) .....: **TSCA** (Toxic Substance Control Act Chemical Substance Inventory):
All components of this product are listed as active or are in compliance with the substance inventory.
Taiwan .....: **TCSI** (Taiwan Chemical Substance Inventory):
This product is listed in, or complies with, the substance inventory. General note: The Taiwanese chemicals regulation requires a phase 1 registration for TCSI-listed or TCSI-compliant substances if imports to Taiwan or manufacturing in Taiwan exceed the trigger quantity of 100 kg/a (for mixtures to be calculated per each ingredient). It is the duty of the importing/manufacturing legal entity to take care of this obligation.
European Economic Area (EEA) .....: **REACH** (Regulation (EC) No 1907/2006):
General note: the registration obligations for substances imported into the EEA or manufactured within the EEA by the supplier mentioned in section 1 are fulfilled by the said supplier. The registration obligations for substances imported into the EEA by customers or other downstream users must be fulfilled by the latter.
South Korea (Republic of Korea) .....: **AREC** (Act on Registration and Evaluation of Chemicals; “K-REACH”):
Please approach your regular contact for more detailed information.

Section 16 – Other Information

16.1 Material

The details in this document are based on the state of our knowledge at the time of revision. They do not constitute an assurance of the described product properties in terms of statutory warranty requirements.
The providing of this document to a recipient does not relieve the recipient of his or her responsibility toward compliance with all laws and stipulations applicable to the product. This applies in particular to the further sale or distribution of the product or substances or items containing the product, in other jurisdictions and with regard to the protection of third-party intellectual property rights. If the described product is processed or mixed with other substances or materials, the details stated in this document cannot be conferred to the resultant new product unless this has been expressly mentioned. If the product is repackaged, the recipient is obligated to additionally provide the required safety-related information.
Siegel restricts the use of its products inside the human body or in contact with bodily fluids and mucosa

16.2 Further information:

Vertical lines in the left-hand margin indicate changes compared with the previous version. This version supersedes all previous versions.

16.3 Glossary of Terms:

CAS No. - Chemical Abstracts Service Registry Number
UN No. - United Nations Dangerous Goods Number
ADG Code - Australian Dangerous Goods Code for the Transport of Dangerous Goods by Road & Rail
IMDG Code - International Maritime Dangerous Goods Code
IATA Regs - International Air Transport Association (IATA) Dangerous Goods Regulations
NOHSC - Australian National Occupational Health and Safety Commission (Note: NOHSC documents are now published by Safe Work Australia)
ES_AU - Occupational exposure standard in Australia.

SiegelSeal N09+

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.
IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY, SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS
OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.
This SDS is prepared in accord with the SWA document “Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice” (December 2011)

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