Section 1 – Identification of the Material and Supplier

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Chemical Nature:	Silicone Sealant
Trade Name:	SiegelSeal N07+
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

Hazardous Chemical according to Australian GHS criteria. Non-Dangerous Goods to the ADG Code.

Hazard class	Hazard category	Route of exposure	H-Code
Carcinogenicity	Category 2		H351

2.2 Label elements

Pictogram(s):

Signal Word: Warning

H-Code	Hazard Statements
H351	Suspected of causing cancer.

P-Code	Precautionary Statements
P102	Keep out of reach of children.
P280	Wear protective gloves/protective clothing/eye protection.
P501	Dispose of contents/container to waste disposal.

Hazard ingredients (labelling):
2-Butanone oxime

2.3 Other hazards

During the use of the product, 2-butanone oxime (methyl ethyl ketoxime, MEKO, CAS No. 96-29-7) is generated, which evaporates. 2-butanone oxime is classified as a health risk. The product hydrolyses under formation of methanol (CAS-Nr. 67-56-1). Methanol 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.

Section 3 – Composition & Information on Ingredients

3.1 Substances
not applicable

3.2 Mixtures

3.2.1 Chemical characteristics
Polydimethylsiloxane and fillers and auxiliaries and oximosilane cross-linker

3.2.2 Ingredients

Type	CAS No.	Substance	Content %
INHA	22984-54-9	Methyl-O,O',O"-butan-2-on-trioximo-silane	≥1 – <5
VERU	96-29-7	2-Butanone oxime	≥1 – <2
INHA	1760-24-3	3-(2-Aminoethylamino)propyl trimethoxysilane	≥1 – <2
INHA	108-88-3	Toluene	≥0.2 – <0.5
INHA	34206-40-1	Butanone tetraoximo silane	≥0.2 – <0.5

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:
Take persons to a safe place. Observe self-protection for first aid.
After contact with the eyes:
Rinse immediately with plenty of water for 10-15 minutes. Keep eyelids well open to rinse the whole eye surface and eyelids with water. Seek medical advice in case of continuous irritation.
After contact with the skin:
Wipe off excess material with cloth or paper. Remove contaminated or soaked clothing. Immediately rinse with plenty of soap and water. In serious cases, use emergency shower immediately. In the event of a visible skin change or other complaints, seek medical advice (show label or SDS where possible).
After inhalation:
Keep the patient calm. If unconscious place in stable sideways position. Protect against loss of body heat. Seek medical advice and clearly identify substance.
After swallowing:
If conscious, give several small portions of water to drink. Do not induce vomiting. Seek medical advice and clearly identify substance.

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:
Product may cause cancer. In the event of prolonged contact with the substance, long-term monitoring of relevant parameters is advisable. 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 fire fighting:
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. Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. 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

General information:
Avoid exposure by technical measures or personal protective equipment.

Precautions for safe handling:
Ensure adequate ventilation. Must be syphoned off in situ. Observe information in section 8.

Precautions against fire and explosion:
Product can separate methanol. 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:

CAS No.	Substance	Type	mg/m3	ppm	Dust fract.	Fibre/m3
108-88-3	Toluene	TLV_AU	191.0	50.0		

Further information:
The exposure to the hydrolysis product MEKO (CAS-Nr. 96-29-7) should be restricted under consideration of local legislations and national and international health standards.

Further information:
The exposure to the hydrolysis product MEKO (CAS-Nr. 96-29-7) should be restricted under consideration of local legislations and national and international health standards.

8.2 Exposure controls

8.2.1 Exposure in the work place limited and controlled

General protection and hygiene measures:
Avoid exposure - obtain special instructions before use. Observe standard industrial hygiene practices for the handling of chemical substances. Avoid contact with eyes and skin. Do not inhale gases/vapours/aerosols. Use with adequate ventilation. Remove contaminated, soaked clothing immediately. Keep working clothes separately. Preventive skin protection recommended. Wash hands at the end of work and before eating. Clean work areas regularly. Provide emergency shower and eye-bath. Do not eat, drink or smoke when handling.

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 .
Hand protection
Protective gloves are required at all times when handling the material, according to recognized standards such as EN374.
Recommended glove types: Protective gloves made of butyl rubber
thickness of the material: > 0.3 mm
Breakthrough time: > 480 min
Recommended glove types: Protective gloves made of nitrile rubber
thickness of the material: > 0.4 mm
Breakthrough time: 10 - 30 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.

Skin protection
protective clothing.

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.

8.3 Further information for system design and engineering measures
Observe information in section 7. Observe national regulatory requirements.

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	grey	
Odour		
Odour	organic	
Odour limit		
Odour limit	no data available	
pH-Value		
pH-Value	Not applicable. Reacts with water.	
Melting point/freezing point		
Melting point / melting range	not applicable	
Initial boiling point and boiling range		

Boiling point / boiling range .....: not applicable
Flash point
Flash point .....: not applicable
Evaporation rate
Evaporation rate .....: not applicable
Upper/lower flammability or explosive limits
Lower explosion limit (LEL) .....: not applicable

Vapour pressure
Vapour pressure .....: not determined
Solubility(ies)
Water solubility / miscibility .....: Not applicable. Reacts with water.
Vapour density
Relative gas/vapour density .....: No data known.
Relative Density
Relative Density ..... :1.00 (23 °C) (ISO 1183-1 A)
(Water / 4 °C = 1,00)
Density ..... :1.00 g/cm³ (23 °C) (ISO 1183-1 A)
Partition coefficient: n-octanol/water
Partition coefficient: n-octanol/water .....: No data known.
Auto-ignition temperature
Ignition temperature .....: Not determined.
Decomposition temperature
Thermal decomposition .....: no data available
Viscosity
Viscosity (dynamic) .....: 150000 - 250000 mPa.s at 23 °C (Brookfield)
Molecular mass
Molecular mass .....: not applicable

9.2 Other information
Explosion limits for released methanol: 5.5 - 44%(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 methanol.

10.6 Hazardous decomposition products
2-Butanone oxime and methanol 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 Acute toxicity

Product details:

Route of exposure	Result/Effect	Species/Test system	Source
Oral	LD50: > 2009 mg/kg Neither mortality nor clinical signs of toxicity were observed with the given dose.	Rat	Conclusion by analogy
dermal	LD50: > 2009 mg/kg	Rat	Conclusion by analogy

11.1.2 Skin corrosion/irritation

Product details:

Result/Effect	Species/Test system	Source
No skin irritation	Rabbit	Conclusion by analogy

11.1.3 Serious eye damage / eye irritation

Product details:

Result/Effect	Species/Test system	Source
No eye irritation	Rabbit	Conclusion

11.1.4 Respiratory or skin sensitization

Product details:

Route of exposure	Result/Effect	Species/Test system	Source
dermal	Does not cause skin sensitisation.	Guinea pig; Buehler Test	Conclusion by analogy OECD 406

11.1.5 Germ cell mutagenicity

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.6 Carcinogenicity

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.7 Reproductive toxicity

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.8 Specific target organ toxicity (single exposure)

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.9 Specific target organ toxicity (repeated exposure)

Assessment:

For this endpoint no toxicological test data is available for the whole product.

11.1.10 Aspiration hazard

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

11.1.11 Further toxicological information

Hydrolysis product / Impurity: 2-Butanone oxime (MEKO, CAS 96-29-7) is a dermal sensitizer and strongly irritating to the eyes. 2-Butanone oxime is rapidly absorbed from the gastrointestinal tract, upon contact with skin and after inhalation. After oral exposure of rats to MEKO in an acute neurotoxicity study, transient motor incoordination effects were observed. Prolonged exposure of animals led to damages of the olfactory epithelium and to an increase in the incidence of corneal dystrophy and opacities. Systemic effects in repeated dose studies (oral, inhalative) were hemolytic anemia and compensatory and extramedullary hematopoiesis as well as hemosiderosis in spleen and liver and increased levels of methemoglobin. In several of these studies, the effects were reversible. Gross histopathologic alterations were seen in spleen, lung and kidney. After chronic inhalative exposure to high vapor concentrations an increased incidence of hepatocellular carcinomas and adenomas was observed predominantly in male rats and mice. The significance of these results to human users has not been assessed.

Section 12 – Ecological Information

12.1 Toxicity

Assessment:
Evaluation on basis of physical-chemical properties: No expected damaging effects to aquatic organisms.

12.2 Persistence and degradability

Assessment:
Polymer component: biologically not degradable. Elimination by adsorption to activated sludge.

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 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 – 14.4 UN number; UN proper shipping name; Transport hazard class(es); Packing group
Land transport ADG Code (road and rail):
Valuation .....: Not regulated for transport
Transport by sea IMDG-Code:
Valuation .....: Not regulated for transport
Air transport ICAO-TI/IATA-DGR:
Valuation .....: Not regulated for transport

14.5 Environmental hazards
Hazardous to the environment: 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 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.

15.1.1 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.
Australia .....: AIIC (Australian Inventory of Industrial Chemicals):
This product is listed in, or complies with, the substance inventory.
China .....: IECSC (Inventory of Existing Chemical Substances in China):
This product is not listed or in compliance with the substance inventory.
Canada .....: DSL (Domestic Substance List):
This product is listed in, or complies with, the substance inventory.

Philippines .....: PICCS (Philippine Inventory of Chemicals and Chemical Substances):
This product is listed in, or complies 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)
OEL - Occupational exposure limit in Great Britain
AGW - Occupational exposure limit in Germany
ES_AU - Occupational exposure standard in Australia

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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