SAFETY DATA SHEET
Version 5-13758 Date: 30 March 2025

1. IDENTIFICATION OF THE MATERIALS AND SUPPLIER

1.1. Product identifier

Product name: **STAERK 331**

1.2. Relevant identified uses of the substance or mixture

Recommended use: Silicone Sealant

1.3. Details of the supplier of the safety data sheet

Supplier:	Moggens NZ Ltd
Street address :	49 Station Rd, Papatoetoe, Auckland
Telephone number:	0800433790
Email:	info@staerk.co.nz
Website:	www.staerk.co.nz

1.4. Emergency telephone number

Telephone number: 0800433790

2.HAZARDS IDENTIFICATIONS

2.1. Classification of the substance or mixture

CAT 2 (2A/2B) (6.4A) - Serious Eye Damage/Eye Irritation
CAT 3 (6.3B) - Skin corrosion/irritation
CAT 2 (6.7B) - Carcinogenicity

EPA Group standard: HSR002670

2.2. Label elements

Hazard pictograms:

Signal Word: Warning

Hazard Statements:

H317 May cause an allergic skin reaction.

H316 Cause mild skin irritation.

H351 Suspected of causing cancer.

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

2.3. Prevention

P102 Keep out of reach of children.

P103 Read label before use.

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P261 Avoid breathing dust, fume, gas, mist, vapours or spray..

P264 Wash hands, face and all exposed skin thoroughly after handling.

P273 Avoid release to the environment.

P281 Use personal protective equipment as required.

2.4. Response

P101 If medical advice is needed, have product container or label at hand.

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P312 Call a POISON CENTRE or doctor/physician if you feel unwell.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P362 Take off contaminated clothing and wash before reuse.

2.5. Storage

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

2.6. Disposal

P501 Dispose of contents/ container to an approved waste disposal plant.

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Chemical characterization: Mixtures

COMPONENTS	CAS NUMBER	PROPORTION
Butan-2-one O,O',O''-(vinylsilylidyne)trioxime	2224-33-1	<5%
2-Pentanone, O,O',O''-(methylsilylidyne)trioxime	37859-55-5	<5%

4.FIRST AID MEASURES

4.1. Description of first aid measures

In case of poisoning, contact the National Poison Centre (New Zealand 0800 POISON or 0800 764 766).

Inhalation: Remove victim from exposure. Remove contaminated clothing and protection equipment. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin Contact: Wipe excess material from skin with a clean rag or paper towel. Remove contaminated clothing and wash skin with running water. If irritation occurs seek medical advice.

Eye Contact: If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

Ingestion: Rinse mouth with plenty of water. If swallowed, give a glass of water to drink. If vomiting occurs give further water. Seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed

None known.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically .

5.FIRE FIGHTING MEASURES

5.1. Extinguishing media

Not combustible. If material is involved in a fire use: fine water spray, normal foam, dry agent (carbon dioxide, dry chemical powder).

5.2. Special hazards arising from the substance or mixture

Fire creates toxic gases/vapors/fumes of Carbon dioxide (CO_2) and Carbon monoxide (CO).

5.3. Specific extinguishing methods

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.4. Advice for firefighters

Mount respiratory protective device. Do not inhale explosion gases or combustion gases.

6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid skin and eye contact. Ensure adequate ventilation. Wear personal protective equipment. Wear self contained breathing apparatus. Avoid breathing vapor.

6.2. Environmental precautions

Prevent entry into drains and water courses.

6.3. Clean up advice in case of spills

Smaller spills – Wipe the product from the surface with cloth or towel, let it dry and dispose in normal garbage. For residual material you can use: mineral turpentine or similar hydrocarbon solvent, or acetone based products.

Larger spills - Contain spill and prevent it to run off into drains and waterways. Scrape up and use absorbent. The cured material you can remove it mechanically. Collected and preferably dried product can put and sealed in properly labeled containers or drums for disposal.

6.4. Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet.

7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Keep away from heat, sparks and open flame. Provide good ventilation. Avoid spilling, skin and eye contact. Avoid acids, moisture, and combustible materials.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from oxidisers, heat and flames. Store in cool, dry ventilated place and out of direct sunlight. Protect from freezing and physical damage (check for leaks). Maintain a constant temperature not to exceed 27°C.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Exposure limits

This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by WorkSafe New Zealand.

8.2 Exposure controls

Personal protective equipment:
The usual precautionary measures are to be adhered to when handling chemicals.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.

Respiratory protection:
This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (according to standard AS/NZS 1715 and 1716) is used.

Protection of hands*:*
Protective gloves (according to standard AS/NZS 2161).The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Eye protection:
Safety glasses (according to standard AS/NZS 1337).

Body protection:
Protective work clothing.

9. PHISICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance:	Pasty
Odour:	Characteristic
Colour:	According to product specifications
Self-igniting:	Product is not self igniting
Danger of explosion:	No data available
Oxidizing properties:	No
Density at 20°C:	1.10g/cm
Solubility in water:	Insoluble

9.2. Other information

10. STABILTY AND REACTIVITY

10.1.Reactivity

No dangerous reaction known under conditions of normal use.

10.2.Chemical stability

Stable under normal temperature conditions.

10.3.Possibility of hazardous reactions

No dangerous reactions.

10.4.Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5.Incompatible materials

Oxidising agents.

10.6.Hazardous decomposition products

Above temperatures of 150 °C emits small quantities of toxic gases.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity: No adverse health effects expected. Symptoms or effects that may arise if the product is mishandled or is not handled in accordance with this Safety Data Sheet.

COMPONENTS	RESULTS
Butan-2-one O,O',O''-(vinylsilylidyne)trioxime	LD50 ORAL (RAT): = >2000 mg/Kg
	LD50 DERMAL (RAT): >2009 mg/Kg
2-Pentanone, O,O',O''-(methylsilylidyne)trioxime	LD50 ORAL (Rat): 1,234 mg/kg
	LD50 DERMAL (Rat): >2000 mg/Kg

Ingestion: Small amounts transferred to the mouth by fingers during use should not injure. Swallowing large amounts may cause digestive discomfort.

Eye contact: Will cause eye irritation.

Skin contact: Repeated or prolonged skin contact will lead to irritation.

Inhalation: Vapors will cause respiratory track irritation or asthma.

STOT – Single exposure: No data available.

STOT – Repeated exposure: No data available.

Carcinogenicity: Not listed as a suspected or confirmed carcinogen by OSHA.

Mutagenicity: N/A

Reproductive toxicity: N/A

Teratogenicity: N/A

12.ECOLOGICAL INFORMATION

12.1.Ecotoxicity

The product contains a substance which will cause long term adverse effects in the aquatic environment.

COMPONENTS	RESULTS
Butan-2-one O,O',O''-(vinylsilylidyne)trioxime	EC50 (Pseudokirchneriella subcapitata): 16 mg/l. Exposure time: 72 h
	LC50 (Oncorhynchus mykiss): >120 mg/l. Exposure time: 96 h
2-Pentanone, O,O',O''-(methylsilylidyne)trioxime	EC50 (Daphnia magna (Water flea)): > 100 mg/l. Exposure time: 48 h
	EC50 (Pseudokirchneriella subcapitata (green algae)): 54 mg/l Exposure time: 72 h

12.2.Persistence and degradability

The product is not biodegradable.

12.3. Bio accumulative potential

No data available.

12.4. Mobility in soil

No data available.

13. DISPOSABLE CONSIDERATIONS

13.1. Dispisal method of substance and container

Dispose of in an authorized landfill. Recycle or reuse the container if possible, or dispose of in an authorized landfill. For more specifics consult your local Waste Management Authority.

13.2. Precaution and legislation for procedure

Do not dispose of down drains or into local waterways. Dispose of contents in accordance with local regulations.

14. TRANSPORT INFORMATIONS

14.1. Land transport

Not classified as Dangerous Goods by the criteria of NZS 5433:1999 Transport of Dangerous Goods on Land for transport by road or rail.

14.2. Marine transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

14.3. Air transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATIONS

15.1. EPA Group standard

HSR002670

15.2. Group standard name

Surface Coatings and Colourants (Subsidiary Hazard) Group Standard

15.3. Controls measures

Certified handler certificate not required.
HSW tracking not required.
Refer to WORKSAFE user guide to the HSW regulations for further information.

16. OTHER INFORMATIONS

16.1. Date of preparation

21st January 20, 2020

16.2. SDS Revisions

21st January 20, 2021

Safety Data Sheets are updated at least every 5 years. This SDS summaries to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Moggens NZ Limited cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

16.3. Key / legend

SDS : Safety Data Sheet Hazardous Substances and New Organisms Act 1996.

WES-TWA : The time-weighted average exposure standard designed to protect the worker from the effects of long-term exposure.

WES-STEL :The 15 minute average exposure standard. This applies to any 15 minute period in a working day and is designed to protect the worker against adverse effects of irritation, chronic or irreversible tissue change, or narcosis that may increase the likelihood of accidents. The WES- STEL is not an alternative to WES-TWA; both the short-term and time-weighted average exposures apply.

16.4. Disclaimer

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.