

Safety Data Sheet (SDS) STO SL/01

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According to UN GHS 9th Ed
Revision Date: 2023/01/09

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Version: 1.5

SECTION 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY/UNDERTAKING

Product identifier:

Identification as on the label/Trade name: **STOMAWET**

Additional information: Product code STO SL/01

Relevant identification uses of the substance and uses advised against:

Identified uses: Adjuvant.

Uses advised against: Use only as directed.

Details of the supplier of the Safety Data Sheet:

AECI Limited
14 Field Road, LILANTON

Emergency telephone numbers:

Griffon Poison information centre: 082 446 8946
Poisons Information Helpline: 0861 555 777
AECI Limited: (011) 823 8000 (o/h) Spill Tech: 086 100 0366 (a/h)

SECTION 2. HAZARD IDENTIFICATION

Classification of the substances or mixture

The mixture is classified according to

SANS 10234:2019, Regulation EC 1272/2008 [EU-GHS/CLP]	
Hazard classes/Hazard categories	Hazard statement
Acute toxicity oral, inhalation (Category 4)	H302+ H332
Eye irritant (Category 2)	H319
Aquatic chronic (Category 2)	H411

For full text of H statements see section 16

The most important adverse effects

The most important adverse physiochemical effects: None.

The most important adverse human health effects: Harmful if swallowed or if inhaled. Causes serious eye irritation.

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Label elements

Hazard pictograms:



Signal Word: Warning

Hazard Statements: H302+ H332 Harmful if swallowed or if inhaled. H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects.

Precautionary Statements: P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. P264 Wash skin thoroughly after handling. P273 Avoid release to the environment. P280 Wear eye protection/ face protection. P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell. P391 Collect spillage

Other hazards: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

Chemical nature: Polyethermodified trisiloxane

Ingredients: Classification is based on the following ingredients which may be present.

Substance name (IUPAC/EC)	CAS –No.	Concentration % By weight	Classification
	EC-No.		EC1272/2008
Poly(oxy-1,2-ethanediyl), .alpha.-methyl-.omega.-[3- [1,3,3,3-tetramethyl -1- [(trimethylsilyl)oxy]-1- disiloxanyl]propoxy]	27306-78-1	>=70 - <90	Acute toxicity oral and inhalation (Category 4) H302+H332. Skin irritation (Category 2) H315. Eye irritant (Category 2) H319. Aquatic chronic (Category 2) H412.
	608-078-3		
Poly(oxy-1,2-ethanediyl), .alpha.-methyl-.omega.-(2- propen-1-yloxy)	27252-80-8	>=20 - < 30%	Acute toxicity (Category 4) H302.
	608-068-9		

For full text of H statements see section 16

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4. FIRST AID MEASURES

Description of first aid measures:

In case of inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

In case of skin contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention if irritation persists.

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In case of eye contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention immediately.

In case of ingestion Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if you feel unwell.

Most important symptoms and effects, both acute and delayed:

Inhalation: Harmful if inhaled.

Ingestions: Harmful if swallowed.

Skin contact: May be harmful in contact with skin.

Eye contact: Causes serious eye irritation.

Indication of any immediate medical attention and special treatment needed:

Treat symptomatically.

SECTION 5. FIRE -FIGHTING MEASURE

Extinguisher media:

Suitable extinguisher media: Use carbon dioxide, dry powder or alcohol- resistant foam to extinguish fire. Water spray can be used for cooling of unaffected stock but avoid water coming in contact with the product. Apply water as fine mist or fog.

Unsuitable extinguishing media: Do not use high volume water jet, due to contamination risk.

Special hazards arising from the mixture:

Hazardous decomposition products are formed under fire conditions, can be released in case of fire, such as; carbon oxides and silica.

Advice for fire-fighters:

Fire fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear. Be sure to use an approved/certified respirator or equivalent.

Further information: In case of fire do not inhale smoke, conflagration gases and steams. Use water spray to cool unopened containers. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6. ACCIDENTAL RELEASE

Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel: Eliminate any possible source of exposure. Avoid contact and inhalation of product. Use adequate protective clothes, gloves and use an approved/certified respirator or equivalent.

For emergency responders: Isolate the spill area and limit the access to essential personnel, eliminate any possible source of ignition. Ventilate the confined space before entry. Avoid eye and skin contact. Use adequate protective clothes, gloves and use an approved/certified respirator or equivalent.

Environmental precautions:

Stop leak if without risk. Do not get water inside container. Do not touch spilled material. Use water spray to reduce vapours, if any. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal.

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Methods for containment and cleaning up:

For small spills Contain spilled material if possible using inert absorbent material (sand, silica gel, acid binder, universal binder or sawdust). Collect in suitable and properly labelled containers.

For large spills Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, silica gel, acid binder, universal binder or sawdust and place in well labelled container for disposal according to local regulations.

Reference to other sections:

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for information on disposal.

Additional information:

Contaminated surfaces will be extremely slippery.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling:

Keep container dry. Provide sufficient air exchange and/or exhaust in work rooms.

Avoid formation of aerosol. Avoid contact with eyes.

Protective measures: Observe directions on label and instructions for use.

Advice on general occupational hygiene: Do not eat drink or smoke when handling this product.

Conditions for safe storage, including incompatibilities:

Store product in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Do always store in containers which correspond to the original ones. Product is stable with a shelf life of more than 12 months.

Specific end uses:

Use as directed. Use original container. Compatibility with other pesticides: Mix with water first, then add other pesticides.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters:

Occupational exposure limits (OEL): No information available.

Biological exposure indices (BEI): No information available.

Additional exposure limits under the conditions of use: No information available.

Exposure control: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. A Risk Assessment should be conducted before handling is to commence to determine specific exposure control.

Appropriate engineering controls: Provide sufficient air exchange and/or exhaust in work rooms.

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Hygiene measures: Avoid contact with skin, eyes and clothing. Do not breathe vapours, aerosols. Take off all contaminated clothing immediately. Handle in accordance with good industrial hygiene and safety practice.

Eye/face protection: Tightly fitting safety goggles. Wear eye/face protection.

Hand protection: Use chemical resistant butyl-rubber gloves. Protective index class 6. Break through time >480 minutes, glove thickness ≥ 0.7 mm. The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other. The obtained break through times according to EN 374 Part III are not measured under normal operating conditions. Therefore a maximum usage time of 50% of the break through time is recommended.

Body protection: Wear appropriate clothing for task or operation. Keep working clothes separately.

Respiratory protection: In case the work place is not ventilated sufficiently and during spray processing, it is necessary to wear respiratory protective equipment. Combination filter A/P.

Environmental exposure controls: The product should not be allowed to enter drains, water courses or the soil. If the product contaminates rivers and lakes or drains inform respective authorities. Pay attention to local or official regulations.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance (form): Liquid.

Colour: Light yellow.

Odour: Characteristic.

Odour threshold: No information available.

pH (at concentration): 4-6 (at 40 g/l 20 °C).

Melting point/range (°C): No information available.

Boiling point/range (°C): 150 °C.

Flash point (°C) : >100°C.

Evaporation rate: Not applicable.

Flammability (solid, gas): Not flammable.

Ignition temperature (°C): No information available.

Upper/lower flammability/explosive limits: Not applicable.

Vapour pressure (20°C): < 1.33 hPa (20 °C)

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Vapour density: Not applicable.

Relative density (20°C): 1 g/cm³

Water solubility (g/l) at 20°C: Dispersible, hydrolyses.

n-Octanol/Water partition coefficient: Not applicable.

Auto-ignition temperature: Not auto-flammable.

Decomposition temperature: No information available.

Viscosity, dynamic (mPa s): 5-60 mPa.s (Brookfield LVT)

Physical hazards:

Explosive properties: No information available.

Other information:

Fat solubility (solvent-oil to be specified): No information available.

Bulk density: No information available.

Dissociation constant in water (p Ka): No information available.

Oxidation-reduction potential: Not an oxidising agent.

SECTION 10. STABILITY AND REACTIVITY

Reactivity:

No hazards to be specially mentioned.

Chemical stability:

This mixture is chemically stable.

Possibility of hazardous reactions:

No dangerous reaction known under conditions of normal use.

Conditions to avoid:

Not applicable.

Incompatible materials:

Not applicable.

Hazardous decomposition products:

No decomposition if stored and applied as directed.

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SECTION 11. TOXICOLOGICAL INFORMATION

Toxicokinetics, metabolism and distribution:

Non-human toxicological data: No Information available.

Information on toxicological effects:

Acute oral toxicity:

Stomawet

Acute oral toxicity: LD₅₀ for rat 500 mg/kg (calculated).

Inhalation toxicity LC₅₀ (4 h) for rat 2 mg/ℓ (calculated).

Poly(oxy-1,2-ethanediyl), .alpha.-methyl-.omega.-[3-[1,3,3,3-tetramethyl -1-[(trimethylsilyl)oxy]-1-disiloxanyl]propoxy]

Acute oral toxicity: LD₅₀ for rat >300-2000 mg/kg argument by analogy.

Acute inhalation LC₅₀ (4 h) for rat 2mg/ℓ.

Acute dermal LD₅₀ >2000 mg/kg.

Poly(oxy-1,2-ethanediyl), .alpha.-methyl-.omega.-(2-propen-1-yloxy)-

Acute oral toxicity: LD₅₀ for rat 500-2000 mg/kg argument by analogy.

Chronic toxicity: No information available.

Skin corrosion/irritation:

No skin irritation. Species: rabbit. OECD test guideline 404

Serious eye damage/irritation:

Irritating to eyes. Species: Rabbit. OECD test guideline 405

Respiratory or skin sensitization:

Does not cause skin sensitisation. Species: Guinea pig. OECD test guideline 406.

Germ cell mutagenicity: No information available.

Carcinogenicity: No information available.

Reproductive toxicity: No information available.

STOT-single exposure: No information available.

STOT-repeated exposure: No information available.

Aspiration hazard: No information available.

SECTION 12. ECOLOGICAL INFORMATION

Toxicity:

Toxicity to fish: No data is available on the product itself.

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Persistence and degradability:

No information available.

Bioaccumulative potential:

No information available.

Mobility in soil

No information available.

Results of PBT& vPvB assessment:

No information available.

Other adverse effects:

Adsorbed organic bound halogens (AOX): Because of the components, which do not contain any organic halogens, this product does not increase the AOX-values in the waste water.

Additional ecological information: According to our knowledge, the product does not contain heavy metals and other compounds of EC directive 2000/60 EC.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods:

Consider suitable waste recycling, re-use or recovery options. Dispose of in accordance with municipal, provincial and national regulations. Waste Classification and Management Regulations (GN 634 of 2013). Dispose and or manage in accordance with the requirements contained in R634 Waste Classification & Management Regulations, R635 National Norms & Standards for the Assessment of Waste for Landfill Disposal and R636 National Norms & Standards for Disposal of Waste to Landfill.

Product/ packaging disposal:

Treat as hazardous waste and dispose of in accordance with municipal, provincial and national regulations.

SECTION 14. TRANSPORT INFORMATION

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	3082	3082	3082
UN Proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Polyether siloxane)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Polyether siloxane)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Polyether siloxane)
Transport hazard class:	9	9	9
Transport hazard pictograms:			
Packaging group:	III	III	III
Marine pollutant:	No	No	No
Special precautions for user:	Not required	Not required	Not required

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Transport in bulk according to MARPOL 73/78 Annex II and the IBC code	Not required	Not required	Not required
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Inland waterways: No information.

Emergency response information: F-A, S-F

SECTION 15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation for the mixture:

Relevant information regarding authorization: Occupational Health and Safety Act 1993. Regulation for Hazardous Chemical Agents, 2021. UN Recommendations on the Transport of Dangerous Goods Model Regulations Rev. 21 (2019), Globally Harmonized System of Classification and Labelling of Chemicals (GHS) Rev 9, 2021.

ACGIH: American Conference of Governmental Industrial Hygienists (ACGIH)

Relevant information regarding restrictions: None.

EU regulations: Regulation EC 1272/2008 [EU-GHS/CLP]

Other National regulations: National Road Traffic Act, 1996 (ACT NO. 93 of 1996).

SANS 10228:2012- The identification and classification of dangerous goods for transport by road and rail modes.

National Environmental Management: Waste Act 59 of 2008.

Chemical Safety Assessment carried out? No

SECTION 16. OTHER INFORMATION

Indication of changes:

All sections.

Relevant classification and H statements (number and full text):

Aquatic chronic 2-Hazardous to the Aquatic Environment (Chronic 2)

H302+ H332 Harmful if swallowed or if inhaled. H315 Causes skin irritation. H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects.

Training instructions:

Use as indicated on the label, special training may be required for application.

Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

Notice to readers:

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees.

This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.