

SAFETY DATA SHEET

1. PRODUCT & MANUFACTURER IDENTIFICATION

Trade Name VESTOL EC282
Chemical name Sodium alkyl ether sulphate
INCI name Sodium laureth sulphate
Chemical Formula: $\text{CH}_3(\text{CH}_2)_{10}\text{CH}_2(\text{OCH}_2\text{CH}_2)_2\text{OSO}_3\text{Na}$
Product Code AES 103
Recommended use Surfactant

2. HAZARDS IDENTIFICATION

Physical hazards Not classified
Health hazards Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 1
Environmental hazards Hazardous to the aquatic environment, acute hazard Category 2
Hazardous to the aquatic environment, Long-term hazard Category 3
OSHA defined hazards Not classified

Label elements



Signal word Danger

Hazard statement Causes skin irritation. Causes serious eye damage. Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Precautionary statement
Prevention Wash thoroughly after handling. Avoid release to the environment. Wear protective gloves/eye protection/face protection.

Response IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a doctor/physician. If skin irritation occurs: Get medical advice/attention.

SAFETY DATA SHEET

Storage
Disposal
Hazard(s) not otherwise Classified (HNOC)
Supplementary information:

Take off contaminated clothing and wash before reuse. IF ON SKIN: Wash with plenty of soap and water
Store in a well ventilated place. Keep cool.
of content/container in accordance to the local or national regulations
Not known
None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient Name	CAS#	Percent
Water	7732-18-5	66 - 71
Sodium Laureth (n=>2) sulphate	68585-34-2	27 - 29
Alcohols(C ₁₂ - C ₁₄) ethoxylate	68439-34-2	< 3%

4. FIRST AID MEASURES

Inhalation
Remove patient to fresh air. If symptoms persist, get medical attention. If affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen and get medical attention immediately.

Skin Contact
Flush with large amounts of water. If irritation develops or persists, immediately take off contaminated clothing. Wash contaminated clothing separately before reuse.

Eye Contact
Flush with plenty of water or for 10-15 minutes. Get medical attention immediately.

Ingestion
Rinse mouth. If symptoms occur, contact a physician immediately. Do not induce vomiting without a physician's advice.

Most Important symptoms/effects'
Symptoms may include stinging, redness, tearing, swelling and blurred vision. Skin irritation may cause redness and pain.

Acute and delayed

Indication of immediate medical
Thermal burns: Flush with water immediately while removing clothing if safe to do so. Call on ambulance. Keep victim under observation.

Attention and special treatment Needed

General information
Take off all contaminated clothing immediately. Ensure medical personnel are aware of the nature of material involved. Wash contaminated clothing before reuse

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media
Water fog. Foam. Dry chemical powder. Use water to cool fire-exposed containers and to protect personnel.

SAFETY DATA SHEET

Hazardous combustion products Material is not flammable but if involved in a fire could give off toxic fumes such as sulphur dioxide. Use self contained breathing apparatus. Use any suitable fire fighting medium.

Protective equipment and precautions for firefighters Wear self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Isolate area. Ventilate closed space before entering. Keep unnecessary personnel away. Stay upwind and keep out of low areas.

Environmental precautions Prevent any further leakage or spillage if safe to do so.

Method for containment Prevent entry into waterways, sewers, basements or confined space.

Methods for cleaning up Wear appropriate protective equipment and clothing during clean-up.
Small Spills: Use a non-combustible material like vermiculite, sand or earth to soak up product and place into a container for later disposal.

Large Spills: Dike far ahead of liquid spill for later disposal.

7. HANDLING and STORAGE

Handling Avoid skin and eye contact. Wash thoroughly after handling.

Storage Avoid mild steel storage. Avoid extremes of temperature (above 45°C). Keep container in a well-ventilated place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Engineering controls Use general ventilation. Local exhaust is suggested for use where possible in enclosed or confined space.

Personal protective equipment

General Eye wash fountain and emergency showers are recommended.

Eye/face protection Wear chemical goggles or face shield.

Skin protection Wear suitable protective clothing. Wear impervious gloves.

Respiratory protection Handle product in closed vessels. If ventilation is insufficient to effectively prevent buildup of aerosols or vapors, appropriate respiratory protection must be provided.

SAFETY DATA SHEET

9. PHYSICAL and CHEMICAL PROPERTIES

Appearance	Liquid
Physical state	Liquid
Form	Not available
Colour	Water white to pale amber
Odour	Slight mild fatty
Odour threshold	Not available
pH	6.5 – 7.5 (10% Aqueous solution)
Melting /freezing point	5 °C
Initial boiling point and boiling range	>100°C
Flash point	> 94°C
Evaporation rate	Not available
Flammability(solid, gas)	Not available
Upper/lower flammability or explosive limits	
Flammability limit-lower	Not available
Flammability limit-upper	Not available
Explosive limit-lower (%)	Not available
Explosive limit-upper (%)	Not available
Vapour pressure	Not available
Vapour density	Estimated lighter than air
Relative density	Not available
Solubility	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Other information	
Density	1.01g/cm ³
Percent volatile	72

10. STABILITY and REACTIVITY

Reactivity	Stable under normal conditions of use, storage and transportation.
Chemical Stability	Material is stable under normal conditions
Possibility of hazardous reactions	No dangerous reaction is known under normal condition of use.
Conditions to avoid	Avoid heat, sparks and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

SAFETY DATA SHEET

Incompatible materials Strong oxidants. Strong acids.
Hazardous decomposition products Upon decomposition, the product may yield sulphur dioxide and oxides of sulphur.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation Prolonged inhalation may be harmful
Skin Contact Causes skin irritation. May be harmful in contact with skin
Eye Contact Causes serious eye damage.
Ingestion May be harmful if swallowed.

Symptoms related to the physical, chemical and toxicological characteristics Not available

Information on toxicological effects

Acute toxicity May be harmful in contact with skin. May be harmful if swallowed.

Product

VESTOL EC282

Test results

Acute Dermal LD₅₀ Rat: >2000mg/kg
Acute Oral LD₅₀ Rat: >2000mg/kg

Skin corrosion/irritation Causes skin irritation
Serious eye damage/eye irritation Causes serious eye damage

Respiratory or skin sensitization

Respiratory sensitization Not a respiratory sensitizer
Skin sensitization Not expected to cause skin sensitization
Germ cell mutagenicity No data available to indicate product or any of its components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity Product not considered to be a carcinogenic
Reproductive toxicity Product contain no ingredients listed as toxic to reproduction.

Specific target organ toxicity single exposure Not applicable

Specific target organ toxicity repeated exposure Not applicable

Aspiration hazard Not applicable

12. ECOLOGICAL INFORMATION

Ecotoxicity Toxic to aquatic life. Harmful to aquatic life with long lasting effects
Persistence and degradability Readily biodegradable
Bioaccumulation potential No data available
Mobility in soil No data available

SAFETY DATA SHEET

Other adverse effects

No other environmental effects are expected from this product.

13. DISPOSAL CONSIDERATIONS**Disposal Instructions**

Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazardous waste code

The waste code should be assigned in discussion with the user, the producer and waste disposal company.

Waste from residues/unused products

Dispose in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (See Disposal Instructions)

Contaminated Packaging

Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. TRANSPORT INFORMATION**DOT**

Not regulated as dangerous goods

IATA

Not regulated as dangerous goods

IMDG

Not regulated as dangerous goods

Special precautions for transport

Packaging in accordance with SANS 10232/SANS 10232-1/SANS 10232-3

15. REGULATORY INFORMATION

Labelling accordance with SANS 10234 latest revision.

Physical Hazards

None

Health Hazards

H303 May be harmful if swallowed
H315 Causes mild skin irritation
H320 Causes eye irritation

Environment Hazards

H403 Harmful to aquatic life

OHS Act, 1993(Act No. 85 of 1993). Hazardous Substance Regulation of 1995

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		Page 6 of 7		

SAFETY DATA SHEET

16. OTHER INFORMATION

Issue date 19-01-2018
Revision date 28-04-2022
Revision Notes GHS: Classification and alignment.

Disclaimer

The information given in this safety data sheet is based on knowledge available at the time of compilation and is intended to describe the product only in terms of health and safety requirements. There is no warranty, expressed or implied as to the accuracy, completeness or adequacy of the information contained herein, and neither the manufacturer or distributors and agents including company officials or employees are liable for any damages arising in connection with the accuracy, adequacy of the information contained herein.

Doc.No.: SDS-006	Rev. No.: 7	Code: AES 103 Page 7 of 7	Approved by: W. Mokhabuki	Date Approved: 28/04/2022
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