

SAFETY DATA SHEET

1. PRODUCT & MANUFACTURER IDENTIFICATION

Trade Name VESTOL ES25
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 101
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.

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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	72 -74 %
Sodium Laureth (n=>2) sulphate	68585-34-2	24-26%
Alcohols(C ₁₂ -C ₁₄) ethoxylate	68439-34-2	<2%
Sodium Sulphate	7757-82-6	<1%

4. FIRST AID MEASURES

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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

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5. FIRE FIGHTING MEASURES

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

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9. PHYSICAL and CHEMICAL PROPERTIES

Appearance	Liquid
Physical state	Liquid
Form	Not available
Colour	Water white to pale yellow
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	70

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

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Conditions to avoid of use.
 Avoid heat, sparks and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.

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	Species	Test results
VESTOL ES25	Acute	
Dermal LD ₅₀	Rat:	> 5000mg/kg
Oral LD ₅₀	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

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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
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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16. OTHER INFORMATION

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

Disclaimer

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