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SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Product: Sodium Lauryl Ether Sulfate 70% (SLES 70%)	**Revision date:** 2026-10-27	**Version:** 1.0	**Brand:** Richest

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product name	Sodium Lauryl Ether Sulfate 70% (SLES 70%)
Synonyms	Sodium laureth sulfate; AES
CAS No.	68585-34-2
EC No.	500-223-8
Molecular formula	RO(CH2CH2O)2SO3Na (R = C12-14)
Molecular weight	approx. 384 g/mol
Relevant identified uses	Anionic surfactant for shampoos, shower gels, dishwashing and laundry detergents; wetting agent and cleaner for textile industry
Uses advised against	None
Company	Richest Group Ltd.
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SECTION 2: Hazards identification

GHS Classification	Skin Irrit. 2; Eye Irrit. 2; Aquatic Chronic 3
Pictogram(s)	GHS07 (Exclamation mark)
Signal word	Warning
Hazard statement(s)	H315 Causes skin irritation H320 Causes eye irritation

	H412 Harmful to aquatic life with long lasting effects
Precautionary statement(s)	P264 Wash hands thoroughly after handling P273 Avoid release to the environment P280 Wear protective gloves and eye protection P302+P352 IF ON SKIN: Wash with plenty of water P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes
Other hazards	None

SECTION 3: Composition/information on ingredients

Component	Sodium lauryl ether sulfate; Water
CAS No.	68891-38-3; 7732-18-5
EC No.	500-234-8; 231-791-2
Classification	Skin Irrit. 2, Eye Irrit. 2; Not classified
Concentration (%)	70 %; 30 %

SECTION 4: First aid measures

If inhaled	Move the person to fresh air and consult a doctor.
In case of skin contact	Rinse skin with plenty of water. If skin damage occurs, seek medical advice.
In case of eye contact	Rinse immediately with plenty of water for at least 15 minutes. If symptoms persist, seek medical attention immediately.
If swallowed	Rinse mouth with water. If symptoms occur, seek medical advice promptly.
Most important symptoms and effects	Causes skin and eye irritation.
Indication of any immediate medical attention	Treat symptomatically.

SECTION 5: Firefighting measures

Suitable extinguishing media	Water spray, foam, dry powder or carbon dioxide.
Unsuitable extinguishing media	High-pressure water jet.
Special hazards arising from the chemical	Carbon oxides and sulfur oxides.

Advice for firefighters	Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	Evacuate unrelated personnel. Ventilate the area. Wear suitable protective equipment.
Environmental precautions	Prevent further leakage. Do not discharge into soil or drains.
Methods and materials for containment and cleaning up	Collect spillage into plastic containers; absorb residues with sand. Dispose of according to local regulations.

SECTION 7: Handling and storage

Precautions for safe handling	Avoid contact with skin and eyes. Wash hands thoroughly after handling.
Conditions for safe storage, including any incompatibilities	Store in tightly closed plastic or stainless steel containers in a cool, dry, ventilated place. Avoid heat and keep away from oxidizers and acids.

SECTION 8: Exposure controls/personal protection

Occupational exposure limit values	No occupational exposure limits established
Biological limit values	No biological exposure index (BEI) established.
Appropriate engineering controls	Eye wash stations and safety showers recommended.
Eye/face protection	Chemical safety goggles; face shield if splashing possible.
Skin protection	Impermeable gloves.
Body protection	Suitable work clothing and rubber boots.
Respiratory protection	Not required under normal conditions with adequate ventilation.
Thermal hazards	No specific thermal hazards under normal conditions of use.

SECTION 9: Physical and chemical properties

Physical state	Viscous paste
Colour	White to light yellow
Odour	No strange odor
Melting point / freezing point	Freezing point 8 - 12 °C

Boiling point or initial boiling point and boiling range	ca. 100 °C
Flammability	Not flammable (aqueous paste)
Lower and upper explosion limit / flammability limit	Not applicable (non-flammable)
Flash point	> 93.9 °C
Auto-ignition temperature	Not applicable (aqueous paste)
Decomposition temperature	No data available
pH	8.0 - 9.5
Kinematic viscosity	No data available
Solubility	Soluble in water
Partition coefficient n-octanol/water	Not applicable (surface-active substance)
Vapour pressure	Negligible at 20 °C
Density and/or relative density	1.06 g/cm3
Relative vapour density	Not applicable
Particle characteristics	Not applicable (liquid)

SECTION 10: Stability and reactivity

Reactivity	Stable under normal conditions
Chemical stability	Stable under recommended storage conditions.
Possibility of hazardous reactions	No hazardous reactions known under normal use
Conditions to avoid	Temperatures above 50 °C and acidic conditions (pH < 5) which may cause hydrolysis.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Sulfur oxides and carbon oxides.

SECTION 11: Toxicological information

Acute toxicity - Oral / Inhalation / Dermal	LD50 Oral - Rat: 1,700 - 5,000 mg/kg
Skin corrosion/irritation	Causes skin irritation.
Serious eye damage/irritation	Causes eye irritation.

Respiratory or skin sensitization	Not classified (based on available data)
Germ cell mutagenicity	Ames test negative (no experimental evidence of genotoxicity in vitro)
Carcinogenicity	Not listed by IARC; not classified
Reproductive toxicity	Not classified (based on available data)
STOT - single exposure	Not classified (based on available data)
STOT - repeated exposure	Not classified (based on available data)
Aspiration hazard	Not classified (based on available data)

SECTION 12: Ecological information

Toxicity to fish / daphnia / algae	LC50 (Danio rerio, 96 h): 7.1 mg/L (OECD 203)
Persistence and degradability	Biodegradable: biodegraded into inorganic substances in river die-away test (evaluated by methylene blue activity and TOC)
Bioaccumulative potential	Low bioaccumulation potential
Mobility in soil	Expected to adsorb to soil/sludge
Other adverse effects	Harmful to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

Product disposal methods	Do not discharge into drains. Dispose of in accordance with local regulations.
Contaminated packaging	Dispose of as unused product or in accordance with local regulations.

SECTION 14: Transport information

UN Number (ADR/RID, IMDG, IATA)	Not regulated as dangerous goods
UN Proper Shipping Name	Not regulated as dangerous goods
Transport hazard class(es)	Not regulated as dangerous goods
Packing group	Not regulated as dangerous goods
Environmental hazards (Marine pollutant)	No
Special precautions for user	No special precautions required during transport.

SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product	IECSC (China): Listed; TSCA (USA): Listed; EINECS (EU): Listed

SECTION 16: Other information

Full text of H-Statements	H315 Causes skin irritation H320 Causes eye irritation H412 Harmful to aquatic life with long lasting effects
Revision date	2026-10-27
Version	1.0

Abbreviations and acronyms: CAS: Chemical Abstracts Service; EC: European Commission; EINECS: European Inventory of Existing Commercial Chemical Substances; ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road; RID: Regulation concerning the International Carriage of Dangerous Goods by Rail; IMDG: International Maritime Dangerous Goods; IATA: International Air Transport Association; TWA: Time Weighted Average; STEL: Short Term Exposure Limit; LD50: Lethal Dose 50%; LC50: Lethal Concentration 50%; EC50: Effective Concentration 50%; PBT: Persistent, Bioaccumulative and Toxic; vPvB: very Persistent and very Bioaccumulative; SDS: Safety Data Sheet.

References: ECHA - European Chemicals Agency, https://echa.europa.eu/; IPCS - International Chemical Safety Cards (ICSC), http://www.ilo.org/; HSDB - Hazardous Substances Data Bank; eChemPortal - OECD Global Portal to Information on Chemical Substances; ERG - Emergency Response Guidebook by U.S. DOT.

Disclaimer: The information in this SDS is only applicable to the specified product and is provided in good faith. It is based on the knowledge available to Richest Group Ltd. at the date of issue and is intended to describe the product for the purposes of health, safety and environmental requirements only. It does not constitute any guarantee of the properties of the product. Richest Group Ltd. shall not be held liable for any damage resulting from handling or from contact with the above product.