

MSDS

Material Safety Data Sheet

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)
Classification according to Regulation (EC) No. 1272/2008 [CLP]

1. Product and Company Identification

Product Name	SDS Solution (Molecular Biology Grade), 10%.
Product References	TBR0146 (1 L) TBR0147 (0.1 L)
Brand	Tiaris Tiaris Biosciences SL. Parque Tecnológico Rabanales 21, Edificio Aldebarán, Calle Astrónoma Cecilia Payne s/n.
Manufacturer/ Supplier	14014. Córdoba, España Phone: +34 681 867 714 mailto: info@tiarisbiosciences.com web: www.tiarisbiosciences.com
Emergency Telephone	900-868538 (CHEMTREC Spain) +34 931 768 545 (CHEMTREC International)

2. Hazards Identification

Classification According to Regulation (EC) N°1272/2008 (CLP)

H302 Harmful if swallowed.

H315 Causes skin irritation (Category 2).

H319 Causes serious eye irritation (Category 2B).

H412 Harmful to aquatic life with long-lasting effects.

LABEL ELEMENTS WARNING

P305+P351 IF IN EYES: Rinse cautiously with water for several minutes.

+P338+P315 Remove contact lenses if present and easy to do. Continue rinsing.

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

P302+P352 IF ON SKIN: Wash with plenty of soap and water

P308+P313 IF exposed or concerned: Call a POISON CENTRE or doctor/ physician.



3. Composition / Information on Components

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Chemical Name	CAS Number	EC Number	Weight (%)	Classification according to Regulation (EC) No.1272/2008 [CLP]
Sodium Lauryl Sulfate	151-21-3	205-788-1	10	Flam. Solid 2 H228 Acute Tox. 4 H302 Acute Tox. 4 H332 Skin Irrit. 2 H315 Eye Damage 1 H318 STOT Single Exp. 3H335 Aquatic Chronic 3H412
Water	7732-18-5	231-791-2	90	

4. First-Aid Measures

Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If symptoms persist, call a doctor.
Skin Contact	Wash off immediately with plenty of water for at least 15 minutes. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Immediate medical attention is required.
Eye Contact	Flush with running water for 15 minutes. Requires medical attention.
Ingestion	Do not induce vomiting. Requires medical attention.
Notes to Physician	Treat symptomatically.

5. Fire Fighting Measures

Extinguish Media	
Suitable Extinguish Media	Water spray. Carbon dioxide (CO ₂). Foam. Dry chemical.
Unsuitable Extinguish Media	No information available.
Special hazards arising from the substance or mixture	No data.
Advice for firefighters	Wear self-contained breathing apparatus

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6. Accidental Release Measures

Personal Precautions, protective equipment and emergency procedures	<p>Ensure adequate ventilation</p> <p>Avoid contact with skin, eyes or clothing</p> <p>Use personal protection equipment</p> <p>See section 8 for more information</p>
Environmental Precautions	No special environmental precautions required. Avoid discharge into drains and waterways whenever possible.
Methods and Material for Containment and Cleaning up	Soak up with inert absorbent material.

7. Handling and Storage

Precautions for Safe Handling	<p>Always wear recommended Personal Protective Equipment. Do not get in eyes, on skin, or on clothing. Do not ingest.</p> <p>Use personal protective equipment as required. See section 8 for more information.</p>
Conditions for Safe Storage, Including Any Incompatibilities	<p>Keep in a dry, cool and well-ventilated place. Keep in properly labelled containers.</p> <p>Store in accordance with local regulations.</p>
Specific End Use(s)	For research use only

8. Exposure Control/ Personal Protection

Contains no substances with occupational exposure limit values.

Personal Protective Equipment:

Respiratory Protection

Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand Protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

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Eye Protection

Safety glasses with side-shields conforming to EN166. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin and Body Protection Impervious Clothing.

The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene Measures

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

9. Physical and Chemical Properties

Appearance:	Clear colorless liquid
Form:	Liquid
Colour:	Colorless
Odour:	No data
pH (Value):	No data
Boiling Point:	No data
Melting Point:	No data
Flash Point:	No data
Flammable Limits:	No data
Auto Ignition Temperature:	No data
Explosive Properties:	No data
Oxidising Properties:	No data
Vapour Pressure (mm Hg):	No data
Density (g/ml):	No data
Solubility (Water):	No data
Solubility (Other):	No data
Partition Coefficient:	No data

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10. Stability and Reactivity

Hazardous Reaction:	None known.
Chemical Stability:	Stable under normal conditions.
Hazardous Decomposition Product(s):	No known hazardous decomposition products.
Conditions to avoid:	None known.
Incompatible Materials:	No dangerous reaction known under conditions of normal use.

11. Toxicology Information

Acute toxicity: no data available

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitization: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Teratogenicity: no data available

Specific target organ toxicity – single exposure (GHS): Inhalation – may cause respiratory irritation.

Specific target organ toxicity – repeated exposure (GHS): no data available

Aspiration hazard: no data available

Potential Health Effects

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.

Skin: Toxic if absorbed through skin. Causes skin irritation.

Eyes: Causes eye irritation.

Ingestion: Harmful if swallowed.

Signs and Symptoms of Exposure: The sodium salt of dodecyl sulfate has been reported to cause pulmonary sensitization resulting in hyperactive airway dysfunction and pulmonary allergy accompanied by fatigue, malaise,

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and aching. Significant symptoms of exposure can persist for more than two years and can be activated by a variety of nonspecific environmental stimuli such as automobile exhaust, perfumes, and passive smoking. To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional information: RTECS: not available

12. Ecological Information

Toxicity:	Data not available.
Persistence and Degradability:	Data not available.
Bioaccumulative Potential	Data not available.
Mobility in Soil:	Data not available.
Other Adverse Effect:	Harmful to aquatic life.

13. Disposal Considerations

Waste treatment methods:

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of in accordance with approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

14. Transport Information

IATA / ADR / DOT-US / IMDG:	Not regulated in the meaning of transport
UN number or ID number:	Not Applicable.
UN Proper Shipping Name:	Not Applicable.
Transport Hazard Class(es):	Not Applicable.
Packing Group:	Not Applicable.
Special Precautions for User:	Not Applicable.
Maritime Transport in Bulk according to IMO Instruments:	Not Applicable.

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15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Substances of Very High Concern:	None
Substance subject to authorization per REACH Annex XIV:	None
Restricted substances under EC 1907/2006, Annex XVII:	None
Regulation (EC) No 649/2012 (Rotterdam Convention - export/import of dangerous chemicals):	None
Regulation (EU)No2019/1021(Stockholm Convention–persistent organic pollutants):	None
EU - Substances Depleting the Ozone layer (1005/2009):	None

16. Other Information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. *Tiaris Biosciences* shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.