



Safety Data Sheet

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

Identification of the substance or mixture

Product code LA0041
Product name NuPage® Tris-Acetate SDS Running Buffer (20X)

Company/undertaking identification

Life Technologies
5791 Van Allen Way
PO Box 6482
Carlsbad, CA 92008
+1 760 603 7200

Life Technologies
5250 Mainway Drive
Burlington, ONT
CANADA L7L 6A4
800/263-6236

24 hour Emergency Response: 866-536-0631
301-431-8585
Outside of the U.S. +1-301-431-8585

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

SECTION 2: Hazards identification

GHS - Classification

Signal Word
WARNING

Health hazards

| | |
|---------------------------|------------|
| Skin corrosion/irritation | Category 3 |
|---------------------------|------------|

Physical hazards

Not Hazardous

Hazard Statements

H316 - Causes mild skin irritation

Precautionary Statements

P332 + P313 - If skin irritation occurs: Get medical advice/attention

Principle Routes of Exposure

Potential Health Effects

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eyes May cause eye irritation with susceptible persons.
Skin Mild skin irritation.
inhalation No information available.
Ingestion May be harmful if swallowed.

Specific effects

Carcinogenic effects None
Mutagenic effects None
Reproductive toxicity None
Sensitization None

Target Organ Effects None under normal use conditions

HMIS

| | |
|--------------|---|
| Health | 1 |
| Flammability | 0 |
| Reactivity | 0 |

SECTION 3: Composition/information on ingredients

| Chemical Name | CAS-No | EINECS-No | Weight % |
|------------------------|----------|-----------|----------|
| Sodiumdodecyl Sulphate | 151-21-3 | 205-788-1 | 1-5 |

We recommend handling all chemicals with caution.

SECTION 4: First aid measures

Skin contact Wash off immediately with plenty of water for at least 15 minutes. Take off all contaminated clothing and wash it before reuse. Immediate medical attention is required.
Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Immediate medical attention is required.
Ingestion Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.
inhalation Remove to fresh air. If not breathing, give artificial respiration. Call a physician or poison control center immediately.
Notes to Physician Treat symptomatically.

SECTION 5: Firefighting measures

Suitable extinguishing media Water spray. Carbon dioxide (CO2). Foam. Dry chemical.
Special protective equipment for firefighters Wear self-contained breathing apparatus and protective suit.

SECTION 6: Accidental release measures

Personal precautions Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Use personal protection equipment.
Methods for cleaning up Soak up with inert absorbent material.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

See Section 12 for more information.

SECTION 7: Handling and storage

Handling Always wear recommended Personal Protective Equipment. No special handling advices are necessary.

Storage Keep in a dry, cool and well-ventilated place. Keep in properly labeled containers.

SECTION 8: Exposure controls/personal protection

Exposure Limits

| Chemical Name | OSHA PEL | OSHA PEL (Ceiling) | ACGIH OEL (TWA) | ACGIH OEL (STEL) |
|------------------------|----------|--------------------|-----------------|------------------|
| Sodiumdodecyl Sulphate | None | None | None | None |

Engineering measures Ensure adequate ventilation, especially in confined areas.

Personal Protective Equipment

Personal Protective Equipment requirements are dependent on the user institution's risk assessment and are specific to the risk assessment for each laboratory where this material may be used.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment.

Hand protection

Impervious gloves.

Eye protection

Wear safety glasses with side shields (or goggles).

Skin and Body Protection

Lightweight protective clothing.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

Environmental exposure controls

Prevent product from entering drains. Do not allow material to contaminate ground water system.

SECTION 9: Physical and chemical properties

General information

| | | |
|--------------------------------------|--------------------------|----------------------|
| Form | Liquid | |
| Appearance | No information available | |
| Odor | No information available | |
| Boiling point / boiling range | °C No data available | °F No data available |
| Melting point / melting range | °C No data available | °F No data available |
| flash point | °C No data available | °F No data available |
| Autoignition Temperature | °C No data available | °F No data available |
| Oxidizing properties | No information available | |
| Water solubility | soluble | |
| PH Range | 6-8 | |

SECTION 10: Stability and reactivity

Stability Stable under normal conditions.

Materials to avoid No information available.

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Hazardous decomposition products polymerization No information available.
 None under normal processing.

SECTION 11: Toxicological information

Acute Toxicity

| Chemical Name | LD50 (oral, rat/mouse) | LD50 (dermal, rat/rabbit) | LC50 (inhalation, rat/mouse) |
|------------------------|------------------------|---------------------------|------------------------------|
| Sodiumdodecyl Sulphate | = 1288 mg/kg (Rat) | No data available | >3900mg/m ³ (Rat) |

Principle Routes of Exposure

Potential Health Effects

eyes May cause eye irritation with susceptible persons
Skin Mild skin irritation
inhalation No information available
Ingestion May be harmful if swallowed

Carcinogenic effects None
Mutagenic effects None
Reproductive toxicity None
Sensitization None

Target Organ Effects None under normal use conditions

SECTION 12: Ecological information

Ecotoxicity Daphnia magna
Mobility see log Pow
Biodegradation No information available
Bioaccumulation No information available

| Chemical Name | Freshwater Algae Data | Water Flea Data | Freshwater Fish Species Data | Microtox Data | log Pow |
|-------------------------------|--|------------------------------------|------------------------------|---------------|-----------|
| Sodiumdodecyl Sulphate | Desmodesmus subspicatus EC5030 - 100 mg/L (96 h) Pseudokirchneriella subcapitata EC503.59 - 15.6 mg/L (96 h) Pseudokirchneriella subcapitata EC50=117 mg/L (96 h) Desmodesmus subspicatus EC50=53 mg/L (72 h) | Daphnia magna EC50=1.8 mg/L (48 h) | | | logPow1.6 |

SECTION 13: Disposal considerations

Dispose of contents/containers in accordance with local regulations.

SECTION 14: Transport information

IATA

| | |
|-----------------------------|--|
| Proper shipping name | No dangerous good in sense of these transport regulations. |
| Hazard Class | None |
| Subsidiary class | None |
| Packing group | None |
| UN-No | none |

SECTION 15: Regulatory information

| Component | TSCA |
|--|--------|
| Sodiumdodecyl Sulphate 151-21-3 (1-5) | Listed |

US Federal Regulations

SARA 313

This product is not regulated by SARA.

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)

This product does not contains HAPs.

US State Regulations

| Chemical Name | Massachusetts - RTK | New Jersey - RTK | Pennsylvania - RTK | Illinois - RTK | Rhode Island - RTK |
|------------------------|---------------------|------------------|--------------------|----------------|--------------------|
| Sodiumdodecyl Sulphate | - | - | - | - | - |

California Proposition 65

This product does not contain any Proposition 65 chemicals.

WHMIS Hazard Class

D2B - Toxic materials



This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

SECTION 16: Other information

Reason for revision SDS sections updated.

For research use only. Not intended for human or animal diagnostic or therapeutic uses.

"The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRENTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PUPOSE"

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End of Safety Data Sheet

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