



SAFETY DATA SHEET

1. Identification of the substance/mixture and of the company/undertaking

Identification of the substance/preparation

Product code 15553027
Product name 10% SDS SOLUTION

Company/Undertaking Identification

Life Technologies
5791 VAN ALLEN WAY
PO BOX 6482
CARLSBAD, CA 92008
+1 760 603 7200

INVITROGEN CORPORATION
5250 MAINWAY DRIVE
BURLINGTON, ONT
CANADA L7L 6A4
800/263-6236

24 hour Emergency Response (Transport):

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

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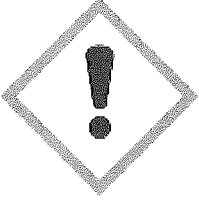
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2. Hazards identification

GHS - Classification

Signal Word

WARNING



Health Hazard

Acute dermal toxicity

Category 4

Physical Hazards

not hazardous

Hazard statements

H315 - Causes skin irritation

H320 - Causes eye irritation

Precautionary statements

P264 - Wash hands thoroughly after handling

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P314 - Get medical attention/advice if you feel unwell

Principle Routes of Exposure/

Potential Health effects

Eyes	Irritating to eyes.
Skin	Irritating to skin.
Inhalation	May be harmful by inhalation.
Ingestion	May be harmful if swallowed.

Specific effects

carcinogenic effects	none.
mutagenic effects	none.
Reproductive toxicity	none.
Sensitization	none

Aggravated Medical Conditions No known effects under normal use conditions

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HMIS

Health	1
Flammability	0
Reactivity	0

3. Composition/information on ingredients

Chemical Name	CAS-No	EINECS-No	Weight %
sodium dodecyl sulfate	151-21-3	205-788-1	10

We recommend handling all chemicals with caution.

4. First aid measures

Skin contact	Rinse with plenty of water. If symptoms arise, call a physician.
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.
Ingestion	Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do not induce vomiting without medical advice.
Inhalation	Move to fresh air. If symptoms persist, call a physician. If not breathing, give artificial respiration.
Notes to physician	Treat symptomatically

5. Fire-fighting measures

Suitable extinguishing media	Water spray. Carbon dioxide (CO ₂). Foam. Dry chemical.
Special protective equipment for firefighters	Wear self-contained breathing apparatus and protective suit

6. Accidental release measures

Personal precautions	Use personal protective equipment
Methods for cleaning up	Take up mechanically and collect in suitable container for disposal.

Environmental precautions

Prevent further leakage or spillage if safe to do so

See Section 12 for additional information.

7. Handling and storage

Handling	Always wear recommended Personal Protective Equipment. No special handling advice required.
Storage	Keep in a dry, cool and well-ventilated place.

8. Exposure controls/personal protection

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Exposure limits

Exposure limits The product does not contain any hazardous materials with occupational exposure limits established

Engineering measures

Ensure adequate ventilation, especially in confined areas

Personal protective equipment

Respiratory protection In case of insufficient ventilation wear suitable respiratory equipment

Hand protection

Impervious gloves

Eye protection

Safety glasses with side-shields

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

9. Physical and chemical properties

General Information

Form liquid

Appearance No information available

Odor No information available

Boiling Point/Range °C no data available °F no data available

Melting point/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

10. Stability and reactivity

Stability Stable under normal conditions.

Materials to avoid No dangerous reaction known under conditions of normal use.

Hazardous decomposition products None under normal use.

polymerization Hazardous polymerisation does not occur.

11. Toxicological information

Acute toxicity

Chemical Name	LD50 (oral, rat/mouse)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat/mouse)
sodium dodecyl sulfate	= 1288 mg/kg (Rat)	no data available	>3900mg/m ³ (Rat)

Principle Routes of Exposure/ Potential Health effects

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Eyes Irritating to eyes.
Skin Irritating to skin.
Inhalation May be harmful by inhalation.
Ingestion May be harmful if swallowed.

carcinogenic effects none.
mutagenic effects none.
Reproductive toxicity none.
Sensitization none.

Aggravated Medical Conditions No known effects under normal use conditions.

12. Ecological information

Ecotoxicity effects Scenedesmus capricornutum (fresh water algae). Daphnia magna (Water flea).
Mobility No information available
Biodegradation Inherently biodegradable.
Bioaccumulation Does not bioaccumulate.

Chemical Name	Freshwater Algae Data	Water Flea Data	Freshwater Fish Species Data	Microtox Data	log Pow
sodium dodecyl sulfate 151-21-3	Desmodesmus subspicatus EC50=53 mg/L (72 h) Desmodesmus subspicatus EC5030 - 100 mg/L (96 h) Pseudokirchneriella subcapitata EC50=117 mg/L (96 h) Pseudokirchneriella subcapitata EC503.59 - 15.6 mg/L (96 h)	Daphnia magna EC50=1.8 mg/L (48 h)			logPow1.6

13. Disposal considerations

Dispose of in accordance with local regulations

14. Transport information

IATA

Proper shipping name Not classified as dangerous in the meaning of transport regulations
Hazard class none
Subsidiary Class none
Packing group none
UN-No None

15. Regulatory information

Component	TSCA
sodium dodecyl sulfate 151-21-3 (10)	Listed

U.S. 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.

U.S. State Regulations

California Proposition 65

This product does not contain chemicals listed under Proposition 65

WHMIS hazard class:

Non-controlled

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR

16. Other information

Reason for Revision

(M)SDS sections updated.

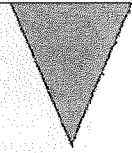
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End of Safety Data Sheet

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CNS Material Request Form

1 Requester Information

7/7/14

Date of Request

Lauren Milling

Requester Name

Mazur Group

Requester Group or Affiliation

847-863-7424 lmillin2@illinois.edu

Requester phone, email

2 Material Information

 New Chemical Biological Material Nanomaterial

2.1 Material Name: Sodium Dodecyl Sulfate (SDS) 10%

2.2 Material Description: SDS is an organic compound used as an anionic surfactant for cleaning. SDS is also often used in gel electrophoresis to unfold proteins.

3 Describe Intended Use (attach sheets if required)

3.1 CNS Labs/Facilities where Material proposed to be used: G05

3.2 Container type and size: 100mL bottle

3.3 Proposed date to bring into Laboratory: 7/10/14

3.4 Description of proposed use including anticipated quantities: 1.0% SDS will be used to sanitize our gold

3.5 Proposed date to remove from Laboratory: no proposed date samples to remove cell debris


Requester Signature

Date

7/7/14

4 Assessment

To be completed by CNS / EHS staff

 MSDS Received
 Approved Approved with special instruction Rejected

Reviewed By

Date

Requester contacted by: Email Phone Fax

Contacted by:

Date:

Instructions on reverse