



SAFETY DATA SHEET LYSATE IN RIPA BUFFER

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

1.1. Product identifier

Product name LYSATE IN RIPA BUFFER

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses For research use only.

1.3. Details of the supplier of the safety data sheet

Supplier Web: www.bio-rad-antibodies.com
Bio-Rad
Endeavour House
Langford Business Park
Kidlington
Oxford
OX5 1GE
Tel. +44 (0)1865 852700
antibody_safetydatasheets@bio-rad.com

Contact person Technical Services Manager

1.4. Emergency telephone number

Emergency telephone +1 7037415970 (CHEMTREC)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335

Environmental hazards Aquatic Chronic 3 - H412

Classification (67/548/EEC or 1999/45/EC) Xn;R22. Xi;R37/38,R41. N;R50/53.

2.2. Label elements

Pictogram



Signal word

Danger

LYSATE IN RIPA BUFFER

Hazard statements	<p>H302 Harmful if swallowed.</p> <p>H315 Causes skin irritation.</p> <p>H318 Causes serious eye damage.</p> <p>H335 May cause respiratory irritation.</p> <p>H412 Harmful to aquatic life with long lasting effects.</p>
Precautionary statements	<p>P261 Avoid breathing dust.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P270 Do not eat, drink or smoke when using this product.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P301+P312 IF SWALLOWED: Call a POISON CENTRE/doctor if you feel unwell.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P310 Immediately call a POISON CENTER/ doctor.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P330 Rinse mouth.</p> <p>P332+P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
Contains	<p>2-(2-(4-NONYLPHENOXY)ETHOXY)ETHANOL, TRIS (HYDROXYMETHYL) AMINOM/HCL, SODIUM DEOXYCHOLATE MONOHYDRATE, SODIUM FLUORIDE, SODIUM DODECYL SULPHATE, SODIUM AZIDE</p>

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

2-(2-(4-NONYLPHENOXY)ETHOXY)ETHANOL		10-30%
CAS number: 9016-45-9	EC number: 500-024-6	
M factor (Acute) = 1		
Classification	Classification (67/548/EEC or 1999/45/EC)	
Acute Tox. 4 - H302	Xn;R22. Xi;R37,R41. N;R50.	
Eye Dam. 1 - H318		
STOT SE 3 - H335		
Aquatic Acute 1 - H400		
Aquatic Chronic 2 - H411		
SODIUM CHLORIDE		10-30%
CAS number: 7647-14-5	EC number: 231-598-3	
Classification	Classification (67/548/EEC or 1999/45/EC)	
Not Classified	-	

LYSATE IN RIPA BUFFER

TRIS (HYDROXYMETHYL) AMINOM/HCL	10-30%
CAS number: 1185-53-1	
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335	Classification (67/548/EEC or 1999/45/EC) Xi;R36/37/38.
SODIUM DEOXYCHOLATE MONOHYDRATE	10-30%
CAS number: 302-95-4 EC number: 206-132-7	
Classification Acute Tox. 4 - H302 STOT SE 3 - H335	Classification (67/548/EEC or 1999/45/EC) Xn;R22. Xi;R37.
SODIUM FLUORIDE	5-10%
CAS number: 7681-49-4 EC number: 231-667-8	
Classification Acute Tox. 3 - H301 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Classification (67/548/EEC or 1999/45/EC) T;R25 Xi;R36/38 R32
SODIUM DODECYL SULPHATE	1-5%
CAS number: 151-21-3 EC number: 205-788-1	
Classification Flam. Sol. 1 - H228 Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335 Aquatic Chronic 3 - H412	Classification (67/548/EEC or 1999/45/EC) Xn;R21/22. Xi;R36/37/38. F;R11.
SODIUM AZIDE	<1%
CAS number: 26628-22-8 EC number: 247-852-1	
M factor (Acute) = 1 M factor (Chronic) = 1	
Classification Acute Tox. 2 - H300 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC or 1999/45/EC) T+;R28 R32 N;R50/53

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

LYSATE IN RIPA BUFFER

General information	Get medical attention.
Inhalation	Place unconscious person on their side in the recovery position and ensure breathing can take place.
Ingestion	Get medical attention immediately.
Skin contact	Wash skin thoroughly with soap and water.
Eye contact	Continue to rinse for at least 15 minutes and get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

General information	Effects may be delayed. Keep affected person under observation.
Inhalation	Upper respiratory irritation.
Ingestion	This product is harmful if swallowed.
Skin contact	Skin irritation.
Eye contact	May cause blurred vision and serious eye damage.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	No specific recommendations.
-----------------------------	------------------------------

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Water spray, dry powder or carbon dioxide. Larger fires: Water spray. Alcohol-resistant foam.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate.

6.2. Environmental precautions

Environmental precautions Harmful to aquatic life with long lasting effects.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Collect and dispose of spillage as indicated in Section 13.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid handling which leads to dust formation.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

LYSATE IN RIPA BUFFER

Specific end use(s) No data available.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

SODIUM AZIDE

Long-term exposure limit (8-hour TWA): WEL 0.1 mg/m³

Short-term exposure limit (15-minute): WEL 0.3 mg/m³

as NaN₃

Sk

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

8.2. Exposure controls

Protective equipment



Eye/face protection

Wear eye protection. Wear face protection.

Hand protection

Wear protective gloves.

Other skin and body protection

Wear protective clothing. Avoid contact with skin.

Hygiene measures

Good personal hygiene procedures should be implemented.

Environmental exposure controls

Keep container tightly sealed when not in use.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Solid.
Colour	White/off-white.
Odour	No characteristic odour.
Odour threshold	Not determined.
pH	7.2
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	Not applicable.
Flammability (solid, gas)	Not determined.
Upper/lower flammability or explosive limits	Not determined.
Vapour pressure	Not applicable.
Vapour density	Not applicable.
Relative density	Not determined.
Bulk density	Not determined.

LYSATE IN RIPA BUFFER

Solubility(ies)	The product has poor water-solubility.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	Not applicable.
Explosive properties	Not considered to be explosive.
Explosive under the influence of a flame	Not considered to be explosive.
Oxidising properties	Not determined.

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Some metals.
---	--------------

10.4. Conditions to avoid

Conditions to avoid	No information available.
----------------------------	---------------------------

10.5. Incompatible materials

Materials to avoid	Some metals.
---------------------------	--------------

10.6. Hazardous decomposition products

Hazardous decomposition products	Does not decompose when used and stored as recommended.
---	---

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg)	532.48
-------------------------	--------

Acute toxicity - dermal

ATE dermal (mg/kg)	43,443.92
---------------------------	-----------

Acute toxicity - inhalation

ATE inhalation (dusts/mists mg/l)	59.24
--	-------

Toxicological information on ingredients.

SODIUM AZIDE

Acute toxicity - oral

ATE oral (mg/kg)	5.0
-------------------------	-----

SECTION 12: Ecological Information

12.1. Toxicity

Ecological information on ingredients.

LYSATE IN RIPA BUFFER

2-(2-(4-NONYLPHENOXY)ETHOXY)ETHANOL

Acute aquatic toxicity

LE(C) ₅₀	0.1 < L(E)C ₅₀ ≤ 1
M factor (Acute)	1
Acute toxicity - fish	LC ₅₀ , 96 hours: 4.0 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 12.2 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC ₅₀ , 72 hours: 12.0 mg/l, Algae

SODIUM AZIDE

Acute aquatic toxicity

LE(C) ₅₀	0.1 < L(E)C ₅₀ ≤ 1
M factor (Acute)	1

Chronic aquatic toxicity

M factor (Chronic)	1
--------------------	---

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

General	Not regulated.
Road transport notes	Not classified.
Rail transport notes	Not classified.
Sea transport notes	Not classified.
Air transport notes	Not classified.

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

LYSATE IN RIPA BUFFER

SECTION 15: Regulatory information

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

EU legislation Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

15.2. Chemical safety assessment

SECTION 16: Other information

Revision date 08/11/2018

Revision 3

Supersedes date 25/09/2018

Risk phrases in full R11 Highly flammable.
R21/22 Harmful in contact with skin and if swallowed.
R22 Harmful if swallowed.
R25 Toxic if swallowed.
R28 Very toxic if swallowed.
R32 Contact with acids liberates very toxic gas.
R36/37/38 Irritating to eyes, respiratory system and skin.
R36/38 Irritating to eyes and skin.
R37 Irritating to respiratory system.
R37/38 Irritating to respiratory system and skin.
R41 Risk of serious damage to eyes.
R50 Very toxic to aquatic organisms.
R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard statements in full H228 Flammable solid.
H300 Fatal if swallowed.
H301 Toxic if swallowed.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.