Red Cell Lysing Reagent

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Issue date: 07/07/2020 Version: 1.0

SECTION 1: Identification

1.1. Identification

Product form : Mixture

Trade name : Red Cell Lysing Reagent

Product code : R1129 - 4x25ml

1.2. Recommended use and restrictions on use

Use of the substance/mixture : Medical Diagnostics

Restrictions on use : No additional information available

1.3. Supplier

Trinity Biotech
1DA Business Park
A98 XV44 Bray
- Ireland
T Technical Support Group: 00353-1-276-9800
www.trinitybiotech.com

1.4. Emergency telephone number

Emergency number : Contact your local Emergency Healthcare Provider;
Ireland - Technical Support Group 00353-1-276-9800
(Operating hours 07:00 - 18:00)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Not classified

2.2. GHS Label elements, including precautionary statements

GHS US labeling

No labeling applicable

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
Water	(CAS-No.) 7732-18-5	≥ 80	Not classified
Saponin	(CAS-No.) 8047-15-2	≥ 0.1 – < 1	Eye Irrit. 2, H319 STOT SE 3, H335
sodium azide	(CAS-No.) 26628-22-8	≥ 0.1 – < 1	Acute Tox. 2 (Oral), H300 STOT RE 1, H372 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Methylparaben	(CAS-No.) 99-76-3	< 0.1	Aquatic Chronic 2, H411

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. carbon dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard : Presents no particular fire or explosion hazard.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Use extinguishing media appropriate for surrounding fire. Use water spray or fog for cooling exposed containers.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid all contact with skin, eyes, or clothing. Do not inhale vapor.

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment. Refer to section 8.2.

Emergency procedures : Ventilate spillage area.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

Emergency procedures : Stop leak if safe to do so. Ventilate area.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for cleaning up : Take up liquid spill into absorbent material.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

Incompatible products : Strong bases. Strong acids. Strong oxidizing agents.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Red Cell Lysing Reagent
No additional information available
Water (7732-18-5)
No additional information available
Saponin (8047-15-2)
No additional information available
sodium azide (26628-22-8)
No additional information available
Methylparaben (99-76-3)
No additional information available

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Avoid all unnecessary exposure. Wear recommended personal protective equipment.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Color	:	Straw
Odor	:	characteristic
Odor threshold	:	No data available
pH	:	6
Melting point	:	Not applicable
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Relative evaporation rate (butyl acetate=1)	:	No data available
Flammability (solid, gas)	:	Not applicable.
Vapor pressure	:	No data available
Relative vapor density at 20 °C	:	No data available
Relative density	:	No data available
Solubility	:	No data available
Partition coefficient n-octanol/water (Log Pow)	:	No data available

Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Viscosity, kinematic	:	No data available
Viscosity, dynamic	:	No data available
Explosion limits	:	No data available
Explosive properties	:	No data available
Oxidizing properties	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

Strong bases. Strong acids. Strong oxidizing agents.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral)	:	Not classified
Acute toxicity (dermal)	:	Not classified
Acute toxicity (inhalation)	:	Not classified

Saponin (8047-15-2)	
LD50 oral rat	> 5000 mg/kg body weight EPA OPPTS 870.1100
LD50 dermal rat	> 2000 mg/kg body weight EPA OPPTS 870.1200
LC50 inhalation rat (mg/l)	> 0.45 mg/l air OECD Guideline 403

sodium azide (26628-22-8)	
LD50 oral rat	27 mg/kg
ATE US (oral)	27 mg/kg body weight

Skin corrosion/irritation	:	Not classified pH: 6
Serious eye damage/irritation	:	Not classified pH: 6
Respiratory or skin sensitization	:	Not classified
Germ cell mutagenicity	:	Not classified
Carcinogenicity	:	Not classified
Reproductive toxicity	:	Not classified
STOT-single exposure	:	Not classified

Saponin (8047-15-2)	
STOT-single exposure	May cause respiratory irritation.

STOT-repeated exposure : Not classified

Saponin (8047-15-2)	
LOAEL (oral,rat,90 days)	200 mg/kg body weight OECD Guideline 408

sodium azide (26628-22-8)	
LOAEL (oral,rat,90 days)	5 mg/kg bodyweight/day
STOT-repeated exposure	Causes damage to organs through prolonged or repeated exposure.

Methylparaben (99-76-3)	
NOAEL (oral,rat,90 days)	≥ 250 mg/kg body weight Animal: rat, Guideline: OECD Guideline 407 (Repeated Dose 28-Day Oral Toxicity in Rodents), Guideline: EU Method B.7 (Repeated Dose (28 Days) Toxicity (Oral)), Guideline: other:OPPTS 870.3050

Aspiration hazard : Not classified

Viscosity, kinematic : No data available

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

Other information : No experimental study on the product is available. The information given is based on our knowledge of the components and the classification of the product is determined by calculation.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

Saponin (8047-15-2)	
LC50 fish 1	38.8 mg/l Leuciscus idus melanotus
EC50 Daphnia 1	65 mg/l Daphnia magna

sodium azide (26628-22-8)	
LC50 fish 1	5.6 mg/l 96h
EC50 Daphnia 1	0.35 mg/l 48h

Methylparaben (99-76-3)	
LC50 fish 1	59.5 mg/l Test organisms (species): Oryzias latipes
EC50 Daphnia 1	11.2 mg/l Test organisms (species): Daphnia magna
LOEC (chronic)	0.8 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	0.2 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

12.2. Persistence and degradability

Red Cell Lysing Reagent	
Persistence and degradability	Not established.

12.3. Bioaccumulative potential

Red Cell Lysing Reagent	
Bioaccumulative potential	Not established.

Water (7732-18-5)	
Partition coefficient n-octanol/water (Log Pow)	-1.38

12.4. Mobility in soil

Red Cell Lysing Reagent	
Ecology - soil	Not established.

sodium azide (26628-22-8)	
Ecology - soil	Not established.

12.5. Other adverse effects

Other adverse effects : No additional information available.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations : Do not dispose of waste into sewer.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not applicable

Transportation of Dangerous Goods

Not applicable

Transport by sea

Not regulated

Air transport

Not regulated

SECTION 15: Regulatory information

15.1. US Federal regulations

Red Cell Lysing Reagent		
All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:		
Saponin	CAS-No. 8047-15-2	≥ 0.1 – < 1%
Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.		
sodium azide	CAS-No. 26628-22-8	≥ 0.1 – < 1%

sodium azide (26628-22-8)	
CERCLA RQ	1000 lb
RQ (Reportable quantity, section 304 of EPA's List of Lists)	1000 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	500 lb

15.2. International regulations

CANADA

Water (7732-18-5)
Listed on the Canadian DSL (Domestic Substances List)

Saponin (8047-15-2)
Listed on the Canadian DSL (Domestic Substances List)

sodium azide (26628-22-8)
Listed on the Canadian DSL (Domestic Substances List)

Methylparaben (99-76-3)
Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

SECTION 16: Other information

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Full text of H-phrases:

H300	Fatal if swallowed
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H372	Causes damage to organs through prolonged or repeated exposure
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

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.