

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Supersedes Date: 24/08/2016 Revision Date: 04/02/2019 Date of Issue: 18/08/2016 Version: 1.2 SECTION 1: Identification of the substance/mixture and of the company/undertaking **Product identifier** 1.1. Product form : Mixture **Product Name** : RNA Lung Primer Mix Product Reference # : 150016 Relevant identified uses of the substance or mixture and uses advised against 1.2. **Relevant identified uses** 121 Use of the substance/mixture : Lab Reagents. 1.2.2. Uses advised against No additional information available 1.3. Details of the supplier of the safety data sheet Company Asuragen, Inc. 2150 Woodward Ave Suite 100 Austin, TX 78744 T: +1 512-681-5200 USA, Toll-free T: +1 877-777-1874 E-mail: support@asuragen.com Web address: www.asuragen.com 1.4. **Emergency telephone number** : Tel: +1 -512-681-5200 US, Toll-free Tel: 1-877-777-1874 **Emergency number SECTION 2: Hazards identification** Classification of the substance or mixture 2.1. Classification according to Regulation (EC) No. 1272/2008 [CLP] Not classified Adverse physicochemical, human health and environmental effects No additional information available 2.2. Label elements Labelling according to Regulation (EC) No. 1272/2008 [CLP] : EUH210 - Safety data sheet available on request **EUH-statements** 2.3. Other hazards Other hazards not contributing to the : Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions. classification SECTION 3: Composition/information on ingredients 3.1. Substance Not applicable 3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Ethylenediaminetetraacetic acid	(CAS No) 60-00-4 (EC no) 200-449-4 (EC index no) 607-429-	0 - 5	Eye Irrit. 2, H319 Aquatic Chronic 3, H412
	00-8		
Deoxyribonucleic Acid	(CAS No) Not Available	< 0,1	Not classified
Full text of H-statements: see section 16			

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek
	medical advice (show the label where possible).
First-aid measures after inhalation	: When symptoms occur: go into open air and ventilate suspected area. Obtain
	medical attention if breathing difficulty persists.

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According to Regulation (EC) No. 1907/2006 (REACH First-aid measures after skin contact	: Remove contaminated clothing. Drench affected area with water for at least 15
	minutes. Obtain medical attention if irritation develops or persists.
First-aid measures after eye contact	: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if
,	present and easy to do. Continue rinsing. Obtain medical attention.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.
4.2. Most important symptoms a	and effects, both acute and delayed
Symptoms/injuries	: Not expected to present a significant hazard under anticipated conditions of
	normal use.
Symptoms/injuries after inhalation	: Prolonged exposure may cause irritation.
Symptoms/injuries after skin contact	: Prolonged exposure may cause skin irritation.
Symptoms/injuries after eye contact	: May cause slight irritation to eyes.
Symptoms/injuries after ingestion	: Ingestion may cause adverse effects.
Chronic symptoms	: None expected under normal conditions of use.
-	medical attention and special treatment needed
If exposed or concerned, get medical adv	vice and attention. If medical advice is needed, have product container or label at hand.
SECTION 5: Firefighting mea	sures
5.1. Extinguishing media	
Suitable extinguishing media	: Water spray, dry chemical, foam, carbon dioxide.
Unsuitable extinguishing media	: Do not use a heavy water stream. Use of heavy stream of water may spread fire.
5.2. Special hazards arising from	the substance or mixture
Fire hazard	: Not flammable.
Explosion hazard	: Product is not explosive.
Reactivity	: Hazardous reactions will not occur under normal conditions.
5.3. Advice for firefighters	
Precautionary measures fire	: Exercise caution when fighting any chemical fire.
Firefighting instructions	: Use water spray or fog for cooling exposed containers.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory
	protection.
SECTION 6: Accidental release	se measures
6.1. Personal precautions, protections	ctive equipment and emergency procedures
General measures	: Avoid prolonged contact with eyes, skin and clothing. Avoid breathing (vapour, mist, spray).
6.1.1. For non-emergency personnel	
0,1	
Protective equipment	: Use appropriate personal protection equipment (PPE).
Protective equipment Emergency procedures	: Use appropriate personal protection equipment (PPE). : Evacuate unnecessary personnel.
Emergency procedures	
Emergency procedures 6.1.2. For emergency responders	 Evacuate unnecessary personnel. Equip cleanup crew with proper protection. Ventilate area. Upon arrival at the scene, a first responder is expected to recognize
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7.2. Conditions for safe storage, i	ncluding any incompatibilities
Technical measures	: Comply with applicable regulations.
Storage conditions	 Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.
Incompatible products	: Strong acids, strong bases, strong oxidizers.
Incompatible materials	: Sources of ignition. Direct sunlight.
7.3. Specific end use(s)	

Lab Reagents.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls

Personal protective equipment

Materials for protective clothing

Skin and body protection

Respiratory protection

- : Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.
- : Gloves. Protective clothing. Protective goggles.



: Chemically resistant materials and fabrics.

When using, do not eat, drink or smoke.

- : Wear protective gloves.
- : Chemical safety goggles.
- : Wear suitable protective clothing.
- : If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other information

Hand protection

Eye protection

SECTION 9: Physical and chemical properties

:

9.1. Information on basic physical and chemical properties		
Physical state	: Liquid	
Colour	: No data available	
Odour	: No data available	
Odour threshold	: No data available	
рН	: No data available	
Evaporation rate	: No data available	
Melting point	: No data available	
Freezing point	: No data available	
Boiling point	: No data available	
Flash point	: No data available	
Auto-ignition temperature	: No data available	
Decomposition temperature	: No data available	
Flammability (solid, gas)	: No data available	
Vapour pressure	: No data available	
Relative vapour density at 20 °C	: No data available	
Solubility	: No data available	
Partition coefficient: n-octanol/water	: No data available	
Viscosity	: No data available	
Explosive properties	: No data available	
Oxidising properties	: No data available	
Explosive limits	: No data available	

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9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

Hazardous reactions will not occur under normal conditions.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Direct sunlight. Incompatible materials.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidizers.

10.6. Hazardous decomposition products

None known.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Ethylenediaminetetraacetic acid (60-00-4)

Ethylenediaminetetraacetic acid (60-00-4)	
LD50 oral rat	> 2000 mg/kg
LD50 oral	2580 mg/kg
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure) : Not classified
Specific target organ toxicity (repeated expos	ure) : Not classified
Aspiration hazard	: Not classified
Symptoms/Injuries After Inhalation	: Prolonged exposure may cause irritation.
Symptoms/Injuries After Skin Contact	: Prolonged exposure may cause skin irritation.
Symptoms/Injuries After Eye Contact	: May cause slight irritation to eyes.
Symptoms/Injuries After Ingestion	: Ingestion may cause adverse effects.
Chronic Symptoms	: None expected under normal conditions of use.
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity Ecology - general

: Not classified.

: Not classified

Ethylenediaminetetraacetic acid (60-00-4)	
LC50 fish 1	34 - 62 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 1	113 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	44,2 - 76,5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
NOEC chronic fish	>= 25,7 mg/l (Duration: 35 d - Species: Brachydanio rerio [Flow-through])
NOEC chronic crustacea	25 mg/l (Duration: 21 d - Species: Daphnia magna [Semi-static])
12.2. Persistence and degradability	
RNA Lung Primer Mix	
Persistence and degradability	Not established.

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12.3. Bioaccumulative potential

12.5. Bioaccumulative potentia	il	
RNA Lung Primer Mix		
Bioaccumulative potential	Not established.	
12.4. Mobility in soil		
No additional information available		

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Other information

: Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods Waste disposal recommendations

Dispose of contents/container in accordance with local, regional, national, territorial, provincial, and international regulations.
Avoid release to the environment.

Ecology - waste materials

SECTION 14: Transport information

The shipping description(s) stated herein were prepared in accordance with certain assumptions at the time the SDS was authored, and can vary based on a number of variables that may or may not have been known at the time the SDS was issued. In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	ΙΑΤΑ	ADN	RID
14.1. UN number				
Not regulated for transp	ort			
14.2. UN proper shi	pping name			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport haz	ard class(es)			
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmenta	l hazards			
Dangerous for the	Dangerous for the	Dangerous for the	Dangerous for the	Dangerous for the
environment : No	environment : No	environment : No	environment : No	environment : No
	Marine pollutant : No			

14.6. Special precautions for user

No additional information available

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Ethylenediaminetetraacetic acid (60-00-4)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Revision date:

: 04/02/2019

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Data sources

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Full text of H- and EUH-statements:

Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H319	Causes serious eye irritation
H412	Harmful to aquatic life with long lasting effects
EUH210	Safety data sheet available on request

EU GHS SDS

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.