Safety Data Sheet

According to Regulation (EC) No. 1272/2008 (CLP), as amended by Commission Regulation (EU) 2019/521 and Commission Delegated Regulation (EU) 2020/217, and Commission Delegated Regulation (EU) 2023/707, and (EC) No. 1907/2006 (REACH), as amended by Commission Regulation (EU) 2020/878.

Exosome Elution Buffer

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

1.1 Product identifier

Product Name: Exosome Elution Buffer
Product code: A00662

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

Relevant identified uses: For Research Use Only.
Uses advised against: Not for Use in Diagnostic Procedures.
Reasons why uses advised against: Not determined or not applicable.

1.3 Details of the manufacturer/supplier of the safety data sheet

Manufacturer:	**Supplier:**
United States	**European Union**
Asuragen, Inc.	Bio-Techne (DRD)
2150 Woodward Street	19 Rue Louis Delourmel
Austin, Texas 78744	35230, Noyal Châtillon sur Seiche
+1 512-681-5200	+33.2.99.35.19.36

1.4 Emergency telephone number:

European Union
Bio-Techne (DRD)
+33.2.99.35.19.36 (Normal business hours)

SECTION 2: Hazard(s) identification

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No. 1272/2008 (CLP):

Acute toxicity (oral), category 4
Skin corrosion, category 1C
Serious eye damage, category 1
Chronic aquatic hazard, category 3

Hazard-determining components of labeling:

Guanidinium thiocyanate
Triton X-100

Additional Information: None

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)
Hazard pictograms:

Signal Word: Danger
Hazard statements:

H302 Harmful if swallowed
H314 Causes severe skin burns and eye damage
H318 Causes serious eye damage
H412 Harmful to aquatic life with long lasting effects

EUH071 Corrosive to the respiratory tract
EUH032 Contact with acids liberates very toxic gas

Precautionary statements:

P260 Do not breathe mist, vapours or spray
P270 Do not eat, drink or smoke when using this product
P280 Wear protective gloves, protective clothing, eye protection and face protection
P264 Wash any exposed skin thoroughly after handling
P273 Avoid release to the environment
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
P310 Immediately call a doctor
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing
P321 Specific treatment (see Sections 4-8 of this SDS and any supplemental information on the product label)
P363 Wash contaminated clothing before reuse
P405 Store locked up
P501 Dispose of contents and container in accordance with local, regional, national, and international regulations

Unknown Toxicity:

2.1 percent of the mixture consists of ingredient(s) of unknown acute dermal toxicity
2.1 percent of the mixture consists of ingredient(s) of unknown acute inhalation toxicity

Supplemental Label Information:

EUH032 Contact with acids liberates very toxic gas
EUH071 Corrosive to the respiratory tract

2.3 Other hazards: None known

SECTION 3: Composition/information on ingredients

3.1 Substance: Not applicable.

3.2 Mixture:

Identification	EU REACH Registration No.	Name	Classification according to Regulation (EC) No. 1272/2008 (CLP)	Weight %
CAS number: 593-84-0 EC number: 209-812-1	–	Guanidinium thiocyanate	Skin Corr. 1C; H314 Eye Dam. 1; H318 Acute Tox. 4 (Oral); H302 Acute Tox. 4 (Dermal); H312 Acute Tox. 4 (Inh); H332 Aquatic Chronic 3; H412 EUH071 EUH032	50-65

CAS number: 9002-93-1 EC number: 618-344-0	–	Triton X-100	Acute Tox. 4 (Oral); H302 Skin Irrit. 2; H315 Eye Irrit. 2; H319 Aquatic Chronic 2; H411	1-3

Additional information: None
Full Text of H and EUH statements: See section 16

SECTION 4: First aid measures

4.1 Description of first aid measures

General notes:

Show this Safety Data Sheet to the doctor in attendance.

Following inhalation:

If inhaled, remove person to fresh air and place in a position comfortable for breathing. Keep person at rest. If breathing is difficult, administer oxygen. If breathing has stopped, provide artificial respiration. If experiencing respiratory symptoms, seek medical advice/attention.

Following skin contact:

Treatment is urgent. Seek emergency medical treatment. Remove contaminated clothing and shoes. Rinse skin with copious amounts of water [shower] for several minutes. Launder contaminated clothing before reuse.

Following eye contact:

Immediately rinse eyes with plenty of gently flowing lukewarm water for 15 minutes. Remove contact lenses if present and easy to do so. Protect unexposed eye. Seek immediate medical attention, preferably from an ophthalmologist.

Following ingestion:

If swallowed, DO NOT induce vomiting unless told to do so by a physician or poison control center. Rinse mouth with water. Never give anything by mouth to an unconscious person. If spontaneous vomiting occurs, place on the left side with head down to prevent aspiration of liquid into the lungs. Seek immediate medical attention.

Self-Protection of the first aider:

Take precautions to ensure your own safety before attempting rescue. Wear appropriate safety eyewear, gloves, protective clothing and respiratory protection to prevent exposure. See Section 8 of this SDS for personal protective equipment recommendations.

4.2 Most important symptoms and effects, both acute and delayed

Acute symptoms and effects:

Exposure to skin may result in redness, pain, burning, inflammation and tissue damage. Exposure to eyes may result in irritation, redness, pain, inflammation, itching, burning, tearing, corneal damage and loss of vision. Exposure via inhalation may result in cough, sore throat, burning sensation and shortness of breath. Exposure via ingestion may result in burns of the mouth and throat, abdominal pain, burning sensation in the throat and chest, nausea, vomiting, shock or collapse.

Acute oral exposure may lead to dizziness, drowsiness, headache, breathing difficulties, nausea, vomiting, abdominal pain, and lowering of consciousness. Adverse effects are dependent on exposure (dose, concentration, contact time).

Delayed symptoms and effects:

Symptoms of exposure may be delayed.

4.3 Indication of any immediate medical attention and special treatment needed

Specific treatment:

In case of eye contact, seek prompt medical attention while rinsing is continued.

In case of skin contact, seek prompt medical attention while rinsing is continued.
In case of ingestion, seek prompt medical attention.

Notes for the doctor:

Treat symptomatically.
Treat symptomatically. Symptoms of exposure may be delayed. Therefore, medical observation is indicated.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media:

Water mist/fog, carbon dioxide, dry chemical or alcohol resistant foam.

Unsuitable extinguishing media:

Do not use water jet.

5.2 Special hazards arising from the substance or mixture:

Thermal decomposition may produce irritating/toxic fumes/gases.

5.3 Advice for firefighters

Personal protection equipment:

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full-face piece operated in positive pressure mode.

Special precautions:

Avoid contact with skin, eyes, hair and clothing. Do not breathe fumes/gas/mists/aerosols/vapors/dusts. Move containers from fire area if safe to do so. Use water spray/fog for cooling fire exposed containers. Avoid unnecessary run-off of extinguishing media which may cause pollution.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Evacuate unnecessary personnel. Ventilate area. Extinguish any sources of ignition. Wear recommended personal protective equipment (see Section 8). Avoid contact with skin, eyes and clothing. Avoid breathing mist, vapor, dust, fume and spray. Do not walk through spilled material. Wash thoroughly after handling.

6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so. Prevent from reaching drains, sewers and waterways. Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up:

Do not touch damaged containers or spilled material unless wearing appropriate personal protective clothing. Stop leak if you can do it without risk. Contain and collect spillage and place in suitable container for future disposal. Dispose of in accordance with all applicable regulations (see Section 13).

6.4 Reference to other sections:

For personal protective equipment see Section 8. For disposal see Section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

Use appropriate personal protective equipment (see Section 8). Prevent skin contact. Do not get in eyes. Use only with adequate ventilation. Do not add water to the corrosive product. If it is necessary to mix a corrosive product with water, do so slowly adding the corrosive to cold water, in small amounts, and stir frequently. Avoid breathing mist/vapor/spray/dust. Do not eat, drink, smoke, or use personal products when handling chemical substances. Wash affected areas thoroughly after handling. Keep away from incompatible materials (See Section 10). Keep containers tightly closed when not in use. Keep only in

original packaging.

7.2 Conditions for safe storage, including any incompatibilities:

Store in cool, dry, well-ventilated location out of direct sunlight and away from exit paths. Store in a corrosion-resistant container with a resistant inner liner. Inspect containers and storage area regularly for signs of leak and damage. Store containers at a convenient height for handling, below eye level if possible. High shelving increases the risk of dropping containers, personal injury and exposure. Ensure that appropriate fire fighting and spill-clean up equipment is readily available. Keep away from food and beverages. Protect from freezing and physical damage. Store away from heat, open flames and other sources of ignition. Store separately. Keep container tightly sealed. Store away from incompatible materials (See Section 10).

7.3 Specific end use(s):

Refer to Section 1 (Recommended Use).

SECTION 8: Exposure controls/personal protection



8.1 Control parameters

Only those substances with limit values have been included below.

Occupational Exposure limit values:

No occupational exposure limits noted for the ingredient(s).

Biological limit values:

No biological exposure limits noted for the ingredient(s).

Derived No Effect Level (DNEL):

Ingredient Name: Guanidinium thiocyanate
CAS #: 593-84-0

Workers - Systemic Effects	Acute - Oral	Not determined or not applicable.
	Acute - Inhalation	3.28 mg/m³
	Acute - Dermal	No hazard identified
	Chronic - Oral	Not determined or not applicable.
	Chronic - Inhalation	1.092 mg/m³
	Chronic - Dermal	0.31 mg/kg bw/day
Workers - Local Effects	Acute - Oral	Not determined or not applicable.
	Acute - Inhalation	Hazard identified but no DNEL available
	Acute - Dermal	Hazard identified but no DNEL available
	Chronic - Oral	Not determined or not applicable.
	Chronic - Inhalation	Hazard identified but no DNEL available
	Chronic - Dermal	Hazard identified but no DNEL available

General Population - Systemic Effects	Acute - Oral	No hazard identified
	Acute - Inhalation	No exposure expected
	Acute - Dermal	No hazard identified
	Chronic - Oral	0.155 mg/kg bw/day
	Chronic - Inhalation	0.27 mg/m³
	Chronic - Dermal	0.155 mg/kg bw/day
General Population - Local Effect	Acute - Oral	Not determined or not applicable.
	Acute - Inhalation	Hazard identified but no DNEL available
	Acute - Dermal	Hazard identified but no DNEL available
	Chronic - Oral	Not determined or not applicable.
	Chronic - Inhalation	Hazard identified but no DNEL available
	Chronic - Dermal	Hazard identified but no DNEL available

Predicted No Effect Concentration (PNEC):

Not determined or not applicable.

Information on monitoring procedures:

Not determined or not applicable.

8.2 Exposure controls

Appropriate engineering controls:

Emergency eye wash stations and safety showers should be available in the immediate vicinity of use or handling. Provide adequate ventilation to maintain the airborne concentrations of vapor, mists, and/or dusts below the applicable workplace exposure limits, while observing recognized national standards (or equivalent).

Personal protection equipment

Eye and face protection:

Use safety glasses with side shields or goggles. Consider the use of a face shield for splash protection. Use eye protection equipment that has been tested and approved by recognized national standards (or equivalent).

Skin and body protection:

Chemical resistant, impervious gloves approved by the appropriate standards. Gloves must be inspected prior to use. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. Avoid skin contact with used gloves. Appropriate techniques should be used to remove used gloves and contaminated clothing. Full body protection should be worn. Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Ensure that all personal protective equipment is approved by recognized national standards (or equivalent).

Respiratory protection:

If engineering controls do not maintain airborne concentrations below the applicable workplace exposure limits, or to an acceptable level (if exposure limits have not been established), a respirator approved by recognized national standards (or equivalent) must be worn.

General hygienic measures:

When handling chemical products, do not eat, drink or smoke. Wash hands after handling, before breaks, and at the end of the workday. Avoid contact with skin, eyes and clothing. Wash contaminated clothing before reuse. Perform routine housekeeping.

Environmental exposure controls:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the

requirements of environmental protection legislation.

Product (substance / mixture) related measures to prevent exposure:	Not determined or not applicable.
Instruction measures to prevent exposure:	Not determined or not applicable.
Organisational measures to prevent exposure:	Not determined or not applicable.
Technical measures to prevent exposure:	Not determined or not applicable.

Risk management measures to control exposure:
Not determined or not applicable.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State	Liquid
Color	Colorless
Odor/Odor threshold	Characteristic
pH	4.95 – 5.05
Melting point/freezing point	Not determined or not available.
Initial boiling point/range	Not determined or not available.
Flash point (closed cup)	Not determined or not available.
Flammability	Not determined or not available.
Upper flammability/explosive limit	Not determined or not available.
Lower flammability/explosive limit	Not determined or not available.
Vapor pressure	Not determined or not available.
Relative vapor density	Not determined or not available.
Density	Not determined or not available.
Relative density	Not determined or not available.
Solubilities	Not determined or not available.
Partition coefficient (n-octanol/water)	Not determined or not available.
Auto/Self-ignition temperature	Not determined or not available.
Decomposition temperature	Not determined or not available.
Kinematic viscosity	Not determined or not available.
Particle characteristics	Not determined or not available.

9.2 Other information

9.2.1 Information with regard to physical hazard classes

Explosives	No data available/Not applicable
Flammable gases	No data available/Not applicable
Aerosols	No data available/Not applicable
Oxidizing gases	No data available/Not applicable
Gases under pressure	No data available/Not applicable
Flammable liquids	No data available/Not applicable
Flammable solids	No data available/Not applicable
Self-reactive substances and mixtures	No data available/Not applicable

Pyrophoric liquids	No data available/Not applicable
Pyrophoric solids	No data available/Not applicable
Self-heating substances and mixtures	No data available/Not applicable
Substances and mixtures, which emit flammable gases in contact with water	No data available/Not applicable
Oxidizing liquids	No data available/Not applicable
Oxidizing solids	No data available/Not applicable
Organic peroxides	No data available/Not applicable
Corrosive to metals	No data available/Not applicable
Desensitized explosives	No data available/Not applicable

9.2.2 Other safety characteristics

None.

SECTION 10: Stability and reactivity

10.1 Reactivity:

Not reactive under recommended handling and storage conditions.

10.2 Chemical stability:

Stable under recommended handling and storage conditions.

10.3 Possibility of hazardous reactions:

Contact with acids will liberate toxic gas.

10.4 Conditions to avoid:

Avoid generation of aerosols and mists, extreme heat, open flames, hot surfaces, sparks, ignition sources and incompatible materials.

10.5 Incompatible materials:

Strong acids. Strong bases.

10.6 Hazardous decomposition products:

Thermal decomposition products include corrosive fumes/vapors and carbon oxides.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

Assessment:

Harmful if swallowed.

Product data:

Route	Result
Oral ATE	LD50 Rat: 962.81 mg/kg (Calculated)
Dermal ATE	LD50 Rabbit: 3384.09 mg/kg (Calculated)
Inhalation ATE	LC50 Rat: 5.38 mg/L (4hr [dust/mist]; Calculated)

Substance data:

Name	Route	Result
Guanidinium thiocyanate	oral	LD50 Rat: 593 mg/kg
	inhalation	LC50 Rat: 3.181 mg/L (4 hr (Dust Mist))
	dermal	LD50 Rabbit: 2000 mg/kg
Triton X-100	oral	LD50 Rat: 1800 mg/kg

Skin corrosion/irritation

Assessment:

Causes severe skin burns and eye damage.

Product data:

No data available.

Substance data:

Name	Result
Guanidinium thiocyanate	Causes severe skin burns.
Triton X-100	Causes skin irritation.

Serious eye damage/irritation

Assessment:

Causes serious eye damage.

Product data:

No data available.

Substance data:

Name	Result
Guanidinium thiocyanate	Causes serious eye damage.
Triton X-100	Causes serious eye irritation.

Respiratory or skin sensitization

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Carcinogenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

International Agency for Research on Cancer (IARC): None of the ingredients are listed.

Germ cell mutagenicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available.

Substance data: No data available.

Reproductive Toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (single exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Specific target organ toxicity (repeated exposure)

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Aspiration toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Endocrine disrupting properties:

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available.

Substance data: No data available.

Information on likely routes of exposure:

Inhalation, Ingestion, Skin contact, Eye contact

Symptoms related to the physical, chemical and toxicological characteristics:

See section 4 of this SDS.

11.2 Information on other hazards

Other information:

No data available.

SECTION 12: Ecological information

12.1 Toxicity

Acute (short-term) toxicity

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available

Substance data:

Name	Result
Guanidinium thiocyanate	Fish LC50 Poecilia reticulate: 89.1 mg/L (96 hr)
	Aquatic Invertebrates EC50 Daphnia magna: 42.4 mg/L (48 hr [mobility])
	Aquatic Plants EC50 Desmodesmus subspicatus: 130 mg/L (72 hr [growth rate])
Triton X-100	Fish LC50 Lepomis macrochirus: >2.8 mg/L (96 hr)
	Aquatic Invertebrates LC50 Arenicola marina: 12 mg/L (48 hr [renewal])

Chronic (long-term) toxicity

Assessment:

Harmful to aquatic life with long lasting effects.

Product data: No data available

Substance data:

Name	Result
Guanidinium thiocyanate	Fish NOEC Pimephales promelas: 1.84 mg/L (124 d [decreased egg production])
	Aquatic Invertebrates NOEC Daphnia magna: 1.25 mg/L (21 d [reproduction])

12.2 Persistence and degradability

Product data: No data available

Substance data:

Name	Result
Guanidinium thiocyanate	The substance is Inherently biodegradable. 46% degradation in water, measured by DOC removal, after 28 days.

12.3 Bioaccumulative potential

Product data: No data available

Substance data:

Name	Result
Guanidinium thiocyanate	The substance has a low potential for bioaccumulation based on log Kow <=3.

12.4 Mobility in soil

Product data: No data available

Substance data:

Name	Result
Guanidinium thiocyanate	The substance is highly mobile, therefore, adsorption to soil and sediment is not expected, Log Kow in a negative range.

12.5 Persistent, bioaccumulative and toxic (PBT) or very persistent, very bioaccumulative (vPvB) properties

PBT Properties

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available

Substance data:

Guanidinium thiocyanate	The substance is not PBT.

vPvB Properties

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available

Substance data:

Guanidinium thiocyanate	The substance is not vPvB.

12.6 Persistent, mobile and toxic (PMT) or very persistent, very mobile (vPvM) properties

PMT Properties

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available

Substance data: No data available

vPvM Properties

Assessment: Based on available data, the classification criteria are not met.

Product data: No data available

Substance data: No data available

12.7 Endocrine disrupting properties

Assessment: Based on available data, the classification criteria are not met.

Product data:

No data available

Substance data:

Name	Result
Triton X-100	Under assessment for endocrine disrupting properties.

12.8 Other adverse effects: No data available.

12.9 Hazard to the ozone layer

Assessment: Based on available data, the classification criteria are not met.
Product data: No data available
Substance data: No data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

13.1.1 Product / Packaging disposal:
Dispose of in accordance with all applicable local, regional, state and federal regulations.

Waste codes / waste designations according to LoW: Not determined or not available.

13.1.2 Waste treatment-relevant information: Not determined or not available.

13.1.3 Sewage disposal-relevant information: Not determined or not available.

13.1.4 Other disposal recommendations: It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

SECTION 14: Transport information

International Carriage of Dangerous Goods by Road/Rail (ADR/RID)

UN number or ID number	3265
UN proper shipping name	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (Guanidinium thiocyanate)
UN transport hazard class(es)	8 
Packing group	III
Environmental hazards	None
Special precautions for user	None
Classification code	C3
Tank code	L4BN
Transport category	3
Tunnel restriction code	(E)
Hazard identification	80
Excepted quantities	E1
Limited quantity	5 L

International Carriage of Dangerous Goods by Inland Waterways (ADN)

UN number or ID number	3265
UN proper shipping name	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (Guanidinium thiocyanate)

UN transport hazard class(es)	8 
Packing group	III
Environmental hazards	None
Special precautions for user	None
Carriage permitted	T
Excepted quantities	E1
Limited quantity	5 L

International Maritime Dangerous Goods (IMDG)

UN number or ID number	3265
UN proper shipping name	CORROSIVE LIQUID, ACIDIC, ORGANIC, N.O.S., (Guanidinium thiocyanate)
UN transport hazard class(es)	8 
Packing group	III
Environmental hazards	None
Special precautions for user	None
EMS number	F-A, S-B
Stowage category	A
Excepted quantities	E1
Limited quantity	5 L

International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

UN number or ID number	3265
UN proper shipping name	Corrosive liquid, acidic, organic, n.o.s., (Guanidinium thiocyanate)
UN transport hazard class(es)	8 
Packing group	III
Environmental hazards	None
Special precautions for user	None
ERG code	8L
Excepted quantities	E1
Passenger and cargo	5 L
Cargo aircraft only	60 L
Limited quantity	1 L

Maritime Transport in Bulk according to IMO Instruments

Bulk Name	None
Ship type	None
Pollution category	None
IMO hazard class	None

Environmental hazards	None
Material hazardous only in bulk	None
Cargo Group	None

SECTION 15: Regulatory information

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

European regulations

Inventory listing (EINECS):

593-84-0	Guanidinium thiocyanate	Listed
9002-93-1	Triton X-100	Not Listed

REACH SVHC candidate list:

593-84-0	Guanidinium thiocyanate	Not Listed
9002-93-1	Triton X-100	Listed

REACH SVHC Authorizations:

Ingredient Name	CAS	Listing	Conditions of use
Triton X-100	9002-93-1	Listed	Uses as follows: for the research, development and production of medicinal products falling within the scope of Directive 2001/83/EC or medical devices or accessories to medical devices falling within the scope of Directive 93/42/EEC, Regulation (EU) 2017/745, Directive 98/79/EC or Regulation (EU) 2017/746, in view of their use for the diagnosis, treatment or prevention of COVID-19, - in medical devices or accessories to medical devices falling within the scope of Directive 93/42/EEC, Regulation (EU) 2017/745, Directive 98/79/EC or Regulation (EU) 2017/746, for the diagnosis, treatment or prevention of COVID-19. (Sunset date: December 22, 2023); use of the substance in the production of spare parts as articles or as complex products for the repair of articles or complex products the production of which ceased or will have ceased before the sunset date indicated in the entry for that substance, where that substance was used in the production of those articles or complex products and these cannot function as intended without those spare parts and the spare part cannot be produced without that substance, and for the use of the substance (on its own or in a mixture) for the repair of such articles or complex products, where that substance on its own or in a mixture was used in the production of those articles or complex products and they cannot be repaired otherwise than by using that substance. (Sunset date: March 1, 2023)

REACH Restriction: None of the ingredients are listed.

Water hazard class (WGK) (Product): Not determined.

Water hazard class (WGK) (Substance):

Ingredient Name	CAS	Class
Guanidinium thiocyanate	593-84-0	Water hazard class 2: obviously hazardous to water
Triton X-100	9002-93-1	Water hazard class 2: obviously hazardous to water

Other regulations

Germany TA Luft: None of the ingredients are listed.

Additional information: Not determined.

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16: Other information

Abbreviations and Acronyms: None

Classification procedure:

Classification according to Regulation (EC) No. 1272/2008 (CLP)	Method Used
Acute toxicity (oral), category 4	Calculation method
Skin corrosion, category 1C	Calculation method
Serious eye damage, category 1	Calculation method
Chronic aquatic hazard, category 3	Calculation method

Summary of classification(s) in section 3:

Skin Corr. 1C	Skin corrosion, category 1C
Eye Dam. 1	Serious eye damage, category 1
Acute Tox. 4 (Oral)	Acute toxicity (oral), category 4
Acute Tox. 4 (Dermal)	Acute toxicity (dermal), category 4
Acute Tox. 4 (Inh)	Acute toxicity (inhalation), category 4
Aquatic Chronic 3	Chronic aquatic hazard, category 3
Skin Irrit. 2	Skin irritation, category 2
Eye Irrit. 2	Eye Irritation, category 2
Aquatic Chronic 2	Chronic aquatic hazard, category 2

Summary of hazard statements in section 3:

H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H302	Harmful if swallowed
H312	Harmful in contact with skin
H332	Harmful if inhaled
H412	Harmful to aquatic life with long lasting effects
H315	Causes skin irritation
H319	Causes serious eye irritation
H411	Toxic to aquatic life with long lasting effects

Summary of EUH Statement(s) in section 3:

EUH071	Corrosive to the respiratory tract
EUH032	Contact with acids liberates very toxic gas

Disclaimer:

This product has been classified in accordance with EC No. 1272/2008 (CLP), as amended by Commission Regulation (EU) 2019/521 and Commission Delegated Regulation (EU) 2020/217, and Commission Delegated Regulation (EU) 2023/707, and EC No. 1907/2006 (REACH), as amended by Commission

Regulation (EU) 2020/878. The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation, and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

Initial preparation date: 2025-04-02

End of Safety Data Sheet