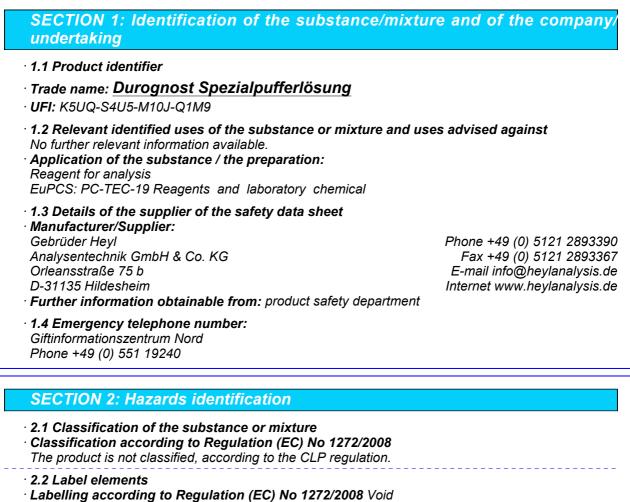


Printing date 11.05.2021

Version number 11 (replaces version 10)

Revision: 11.05.2021



- · Hazard pictograms Void
- · Signal word Void
- · Hazard statements Void
- · Additional information:
- EUH210 Safety data sheet available on request.
- Labelling of packages where the contents do not exceed 125 ml
- · Hazard pictograms Void
- · Signal word Void
- · Hazard statements Void
- · 2.3 Other hazards
- · Results of PBT and vPvB assessment
- · PBT: Not applicable.
- vPvB: Not applicable.

SECTION 3: Composition/information on ingredients

- · 3.2 Mixtures
- [.] Description:

Mixture of substances listed below with nonhazardous additions according to Regulation (EC) No 1272/2008.

Water CAS 7732-18-5

	· Dangerous components:		
	CAS: 12125-02-9	ammonium chloride	≥ 2.5 – < 10%
	EINECS: 235-186-4	() Acute Tox. 4, H302; Eye Irrit. 2, H319	
	Index number: 017-014-00-8		
	Reg.nr.: 01-2119489385-24		
l	· SVHC Not applicable.		

(Contd. on page 2)

DE_EN



Safety data sheet according to 1907/2006/EC

Printing date 11.05.2021

Version number 11 (replaces version 10)

Revision: 11.05.2021

Trade name: Durognost Spezialpufferlösung

(Contd. of page 1)

• Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· 4.1 Description of first aid measures

- · General information: Immediately remove any clothing soiled by the product.
- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact: Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.
- · After eye contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor. • After swallowing:

A person vomiting while laying on their back should be turned onto their side. Rinse out mouth and then drink plenty of water. Seek medical treatment.

- · 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- · Suitable extinguishing agents:
- CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- · 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- · Protective equipment: Wear self-contained respiratory protective device.

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures Wear personal protection equipment.
- · 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose of the material collected according to regulations.

Clean the affected area carefully; suitable cleaners are:

Warm water

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

- · 7.1 Precautions for safe handling No special measures required.
- · Information about fire and explosion protection: No special measures required.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles: Store only in the original receptacle.
- · Information about storage in one common storage facility: Store away from foodstuffs.

DE EN



Safety data sheet according to 1907/2006/EC

Printing date 11.05.2021

Version number 11 (replaces version 10)

Revision: 11.05.2021

Trade name: Durognost Spezialpufferlösung

(Contd. of page 2)

- **Further information about storage conditions:** Keep container tightly sealed. Protect from heat and direct sunlight.
 - Store receptacle in a well ventilated area.
- · Recommended storage temperature: 15 25 °C
- Storage class:

Storage class 12: Non-combustible liquids that cannot be assigned to any other storage class (TRGS 510)

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters Ingredients with limit values that require monitoring at the workplace: The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace. · Additional information: The lists valid during the making were used as basis. · 8.2 Exposure controls · Appropriate engineering controls No further data; see item 7. · Individual protection measures, such as personal protective equipment General protective and hygienic measures: The usual precautionary measures are to be adhered to when handling chemicals. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Do not eat, drink, smoke or sniff while working. Respiratory protection: Use suitable respiratory protective device when aerosol or mist is formed. Filter: Type P2 Hand protection Wear gloves according to EN 374. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation Check protective gloves prior to each use for their proper condition. Preventive skin protection by use of skin-protecting agents is recommended. After use of gloves apply skin-cleaning agents and skin cosmetics. • Material of gloves The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. · Penetration time of glove material The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. • For the permanent contact gloves made of the following materials are suitable: Nitrile rubber, NBR Recommended thickness of the material: $\geq 0.12 \text{ mm}$ Value for the permeation: Level = 6 (> 480 min) • As protection from splashes gloves made of the following materials are suitable: Nitrile rubber, NBR Recommended thickness of the material: $\geq 0.12 \text{ mm}$ Value for the permeation: Level = 6 (> 480 min) · Eye/face protection Goggles according to EN 166 recommended during refilling · Body protection: Protective work clothing DF FN (Contd. on page 4)



Printing date 11.05.2021

Safety data sheet according to 1907/2006/EC

Version number 11 (replaces version 10)

Revision: 11.05.2021

Trade name: Durognost Spezialpufferlösung

(Contd. of page 3)

0.1 Information on basis abusisal and the	mical proportion
9.1 Information on basic physical and cher General Information	mical properties
Physical state	Fluid
Colour:	Colourless
Odour:	Odourless
Odour threshold:	Not determined.
Melting point/freezing point:	Undetermined.
Boiling point or initial boiling point and	
boiling range	Undetermined.
Flammability	Not applicable.
Lower and upper explosion limit	,,
Lower:	Not determined.
Upper:	Not determined.
Flash point:	Undetermined.
Auto-ignition temperature:	Product is not selfigniting.
Decomposition temperature:	Not determined.
pH at 20 °C	4.5
Viscosity:	
Kinematic viscosity	Not determined.
Dynamic:	Not determined.
Solubility	
water:	Fully miscible.
Partition coefficient n-octanol/water (log	
value)	Not determined.
Vapour pressure:	Not determined.
Density and/or relative density	
Density at 20 °C:	1.03 g/cm³
Relative density	Not determined.
Vapour density	Not determined.
9.2 Other information	
Important information on protection of hea	alth
and environment, and on safety.	
Ignition temperature:	Not determined.
Explosive properties:	Product does not present an explosion hazard.
Change in condition	, , ,
Evaporation rate	Not determined.
Information with regard to physical haza	ard
classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void
Gases under pressure	Void
Flammable liquids	Void
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit	
flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising inquids Oxidising solids	Void



Printing date 11.05.2021 Ve

Safety data sheet according to 1907/2006/EC

Version number 11 (replaces version 10)

Revision: 11.05.2021

Trade name: Durognost Spezialpufferlösung

	(Contd. of page 4)
Void Void	

SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** Reacts with alkali (lyes). Reacts with acids.

Reacts with strong oxidising agents.

- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: Do not use tools made of aluminium or copper or their alloys.

10.6 Hazardous decomposition products:

Nitrogen oxides

Hydrogen chloride (HCl)

SECTION 11: Toxicological information

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

• Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

CAS: 12125-02-9 ammonium chloride

Oral LD50 1,410 mg/kg (rat)

Dermal LD50 > 2,000 mg/kg (rat)

· Skin corrosion/irritation Based on available data, the classification criteria are not met.

- Serious eye damage/irritation Based on available data, the classification criteria are not met.
- · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.
- · Reproductive toxicity Based on available data, the classification criteria are not met.
- · STOT-single exposure Based on available data, the classification criteria are not met.
- · STOT-repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.
- 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

- Aquatic toxicity: No further relevant information available.
- **12.2 Persistence and degradability** No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- 12.5 Results of PBT and vPvB assessment
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- · 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

(Contd. on page 6)

^{10.2} Chemical stability

DE_EN



Printing date 11.05.2021

Safety data sheet according to 1907/2006/EC

Version number 11 (replaces version 10)

Revision: 11.05.2021

Trade name: Durognost Spezialpufferlösung

(Contd. of page 5)

[.] 12.7 Other adverse effects

· Additional ecological information:

· General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation Disposal must be made according to official regulations.

- · Uncleaned packaging:
- Recommendation:

Packagings that may not be cleansed are to be disposed of in the same manner as the product. Disposal must be made according to official regulations.

Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

 14.1 UN number or ID number ADR, ADN, IMDG, IATA 	Void
 14.2 UN proper shipping name ADR, ADN, IMDG, IATA 	Void
 14.3 Transport hazard class(es) 	
· ADR, ADN, IMDG, IATA · Class	Void
· 14.4 Packing group · ADR, IMDG, IATA	Void
 14.5 Environmental hazards: Marine pollutant: 	Νο
· 14.6 Special precautions for user	Not applicable.
 14.7 Maritime transport in bulk according t IMO instruments 	o Not applicable.
• Transport/Additional information:	Not dangerous according to the above specifications.
· UN "Model Regulation":	Void

SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 65
- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

(Contd. on page 7)

DE_EN



Safety data sheet according to 1907/2006/EC

Printing date 11.05.2021

Version number 11 (replaces version 10)

Revision: 11.05.2021

Trade name: Durognost Spezialpufferlösung

(Contd. of page 6)

 REGULATION (EU) 2019/1148
 Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· National regulations:

Information about limitation of use:

Employment restrictions concerning juveniles must be observed. Employment restrictions concerning pregnant and lactating women must be observed.

- Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- · 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant phrases** H302 Harmful if swallowed. H319 Causes serious eye irritation.
- · Department issuing SDS: product safety department.
- · Date of previous version: 29.08.2019
- · Version number of previous version: 10
- Abbreviations and acronyms:

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail) IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organisation ICAO-TI: Technical Instructions by the "International Civil Aviation Organisation" (ICAO)

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

- IMDG: International Maritime Code for Dangerous Goods
- IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

- LC50: Lethal concentration, 50 percent
- LD50: Lethal dose, 50 percent
- PBT: Persistent, Bioaccumulative and Toxic
- SVHC: Substances of Very High Concern
- vPvB: very Persistent and very Bioaccumulative Acute Tox. 4: Acute toxicity – Category 4
- Eye Irrit. 2: Serious eye damage/eye irritation Category 2

DE EN-