Safety data sheet in accordance with regulation (EC) No 1907/2006



Trade name: di-Ammoniumhydrogencitrat MERCK

Substance number: 063238

Version: 1 / CH

Replaces Version: - / CH

Date revised: 05.02.2024 Print date: 05.02.24

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

1.1. Product identifier

di-Ammoniumhydrogencitrat MERCK Item No. 06323800

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Hänseler AG Industriestrasse 35 9100 Herisau Telephone no. 0041 (0)71 353 58 58 E-mail address of person responsible for this SDS

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Skin Irrit. 2H315Eye Irrit. 2H319

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008 For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Warning

H319

Hazard statements H315

Causes skin irritation. Causes serious eye irritation.

Precautionary statements

	oudlional y olucom	
l	P264.1	Wash hands thoroughly after handling.
l	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P302+P352	IF ON SKIN: Wash with plenty of soap and water.
I	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
l	P332+P313	If skin irritation occurs: Get medical advice/attention.
	P501.3	Disposal in compliance with local and national regulations.

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2.3. Other hazards

The Substance does not meet PBT-criteria. This substance does not meet the vPvB-criteria. This substance does not have endocrine disrupting properties with respect to humans. This substance does not have endocrine disrupting properties with respect to non-target organisms.

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SECTION 3: Composition/information on ingredients

Hazardous ingredients

Diammonium hydrogen 2-hydroxypropane-1,2,3-tricarboxylate

CAS NU.	3012-00-0		
EINECS no.	221-146-3		
Concentration	>= 50		
Classification (R	Regulation (EC) No. 1272/2008)		
	Skin Irrit. 2	H315	
	Eye Irrit. 2	H319	

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In any case show the physician the Safety Data Sheet.

After inhalation

Remove the casualty into fresh air and keep him calm.

After skin contact

Remove contaminated clothing. In case of contact with skin wash off with water.

After eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

After ingestion

Rinse out mouth and give plenty of water to drink. Summon a doctor immediately.

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

Important or other important known symptoms and effects are described in the GHS labelling of the product (see section 2) and in section 11.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water, Foam, Carbon dioxide, Dry powder

Non suitable extinguishing media

No extinguishing agent restrictions

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: Carbon monoxide (CO); Carbon dioxide (CO2); Nitrogen oxides (NOx); Ammonia (NH3); In case of combustion evolution of dangerous gases possible. The product is combustible.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus. Use personal protective clothing.



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Other information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid breathing dust. Avoid contact with eyes and skin. Ensure adequate ventilation. Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Do not empty into drains.

6.3. Methods and material for containment and cleaning up

To pick up dry. Clean up affected area. Dispose of absorbed material in accordance with the regulations. Avoid raising dust.

6.4. Reference to other sections

Information regarding waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid contact with skin, eyes and clothing.

Advice on protection against fire and explosion

The product is combustible.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed and dry.

Storage classes

Storage class according to TRGS 510 Storage category (Switzerland)

13 11/13 Non- combustible solids Other solid hazardous substances with classification/labelling hazardous

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

General protective and hygiene measures

General industrial hygiene practice. Observe the usual precautions for handling chemicals.

Respiratory protection

Breathing apparatus in the event of aerosol. Short term: filter apparatus, Filter P2

Hand protection

Appropriate Material nitrile rubber - NBR		
Material thickness	0.11	mm
Breakthrough time	480	min
Hand protection must comply with EN 374.		

Eye protection

Eye protection must comply with EN 166. Safety glasses

Body protection

Protective clothing Environmental exposure controls Do not allow to enter drains or water cours SECTION 9: Physical and chemical 9.1. Information on basic physical and c Physical state solid Colour white Melting point Value 1 Pressure 1 Method OECD 10 Boiling point or initial boiling point and Value 5 Pressure 1 Method OECD 10 Flash point Value 5 Pressure 1 Method 0ECD 10 Flash point Value 6 Remarks Not applic pH value 4 Concentration/H2O 2 Temperature 2 Partition coefficient n-octanol/water (b	rsion: 1 places es. prop chemic 74 .016 2 boilir 00 .016 3 C cable	version: Derties cal pro	<u>5</u> perties 176	°C	Date revised: 05.02.20 Print date: 05.02
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Partition coefficient n-octanol/water (lo	3	g/l			
	-	°C			
log Pow -2	-	e)			
	2.84				
Density and/or relative density					
Value 1 Temperature 2	.48 5	°C		g/cm³	
•	5	C			
Relative vapour density Remarks not deterr	minod				
	nneu				
9.2. Other information					
Solubility in water					
Remarks soluble					
Bulk density					
Value 4	00	to	600	kg/m³	

10.1. Reactivity

Accumulation of fine dust may entail the risk of a dust explosion in the presence of air.

10.2. Chemical stability

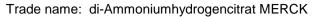
No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions Strong reactions with strong oxidising agents possible.

10.4. Conditions to avoid

No decomposition if stored and applied as directed.

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10.5. Incompatible materials

Strong oxidising agents

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide, nitrous oxides (NOx), Ammonia

SECTION 11: Toxicological information

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

Acute oral toxicity (Components)

Diammonium hydrogen 2-hydroxypropane-1,2,3-tricarboxylate Remarks No data available.

Acute dermal toxicity (Components)

Diammonium hydrogen 2-hydroxypropane-1,2,3-tricarboxylate Remarks No data available.

Acute inhalative toxicity (Components)

Diammonium hydrogen 2-hydroxypropane-1,2,3-tricarboxylate Remarks No data available.

Skin corrosion/irritation (Components)

Diammonium hydrogen 2-hydroxypropane-1,2,3-tricarboxylate Species rat evaluation irritant

Serious eye damage/irritation (Components)

Diammonium hydrogen 2-hydroxypropane-1,2,3-tricarboxylate

Species		rabbit
evaluation		irritant
Method		OECD 405

Sensitization (Components)

Diammonium hydrogen 2-hydroxypropane-1,2,3-tricarboxylate Remarks No data available.

Mutagenicity (Components)

Diammonium hydrogen 2-hydroxypropane-1,2,3-tricarboxylate Remarks No data available.

Reproduction toxicity (Components)

Diammonium hydrogen 2-hydroxypropane-1,2,3-tricarboxylate Remarks No data available.

Carcinogenicity (Components)

Diammonium hydrogen 2-hydroxypropane-1,2,3-tricarboxylate Remarks No data available.

Specific Target Organ Toxicity (STOT) (Components)

Diammonium hydrogen 2-hydroxypropane-1,2,3-tricarboxylate Remarks No data available.

11.2 Information on other hazards

Endocrine disrupting properties with respect to humans

This substance does not have endocrine disrupting properties with respect to humans.

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SECTION 12: Ecological information

12.2. Persistence and degradability

Biodegradability (Components)

Diammonium hydrogen 2-hydroxypropane-1,2,3-tricarboxylate Remarks No data available.

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water (log value) log Pow -2.84

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment

The Substance does not meet PBT-criteria. This substance does not meet the vPvB-criteria.

12.6 Endocrine disrupting properties

Endocrine disrupting properties with respect to the envrionment

This substance does not have endocrine disrupting properties with respect to non-target organisms.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Dispose of as unused product.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.

SECTION 15: Regulatory information

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

Water Hazard Class (Germany)

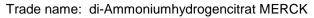
Water Hazard Class	WGK 1
(Germany)	
Remarks	Derivation of WGK according to Annex 1 No. 5.2 AwSV

SECTION 16: Other information

Hazard statements listed in Chapter 3

H315	Causes skin irritation.
H319	Causes serious eye irritation.

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CLP categories listed in Chapter 3

Eye Irrit. 2Eye irritation, Category 2Skin Irrit. 2Skin irritation, Category 2

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: *** This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.