

SAFETY DATA SHEET

1-Octanesulfonic acid sodium salt monohydrate for HPLC

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.

SECTION 1: Identification of the substance/mixture and of the comp	banv/	undertaking
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1.1. Product identifier		
Product name	1-Octanesulfonic acid sodium salt monohydrate for HPLC	
Product number	90022531	
CAS number	207596-29-0	
EC number	695-274-7	
1.2. Relevant identified uses of	of the substance or mixture and uses advised against	
Identified uses	For research purposes only.	
Uses advised against	No specific uses advised against are identified.	
1.3. Details of the supplier of	the safety data sheet	
Supplier	Molekula Ltd. Lingfield Way, Darlington, DL1 4XX, United Kingdom +44 (0) 3302000333	
14. Emergency telephone nu	info@molekula.com mher	
<u>1.4. Emergency telephone nu</u> +44 (0) 7769276927	-	
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EC number 695-274-7

Chemical formula C8H19NaO4S

SECTION 4: First aid measures

4.1. Description of first aid measures

General information If in doubt, get medical attention prompty. Show this Safety Data Sheet to the medical personnel. Inhalation Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight dothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist. Ingestion Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do not induce vorniting unless under the direction of medical personnel. Skin contact Rinse with water. Eye contact Remove any contact lenses and open eyelids wide apart. Rinse with water. Get medical attention if any discomfort continues. Protection of first alders First aid personnel should wear appropriate protective equipment during any rescue. 42. Most important symptorms attention if any discomfort continues. Protection of first alders First aid personnel should wear appropriate protective equipment during any rescue. 42. Most important symptorms ad effects, both acute and delayed General information The severity of the symptorms described will vary dependent on the concentration and the length of exposure Indication of any immediation May cause discomfort if swallowed. Skin contact May cause discomfort if swallowed. Skin contact May be slightly irritating to eyes. 4.3. Indiciation of any immediae attention and special treatmen	General information	If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical
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Specific hazards None known.		Do not use water jet as an extinguisher, as this will spread the fire.
	5.2. Special hazards arising fr	om the substance or mixture
Hazardous combustion Thermal decomposition or combustion products may include the following substances:	Specific hazards	None known.
products Harmful gases or vapours. Carbon dioxide (CO2). Carbon monoxide (CO). Oxides of sulphur. Sodium oxides		Carbon dioxide (CO2). Carbon monoxide (CO). Oxides of sulphur.
5.3. Advice for firefighters	5.3. Advice for firefighters	
Protocities actions during Austric benefities for an and a supervision of the sector in the	Protective actions during firefighting	Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out.
firefighting water spray and remove them from the fire area if it can be done without risk. Cool containers	Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

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6.1. Personal precautions, pro	otective equipment and emergency procedures
Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Do not touch or walk into spilled material.
6.2. Environmental precaution	ns
Environmental precautions	Avoid discharge into drains or watercourses or onto the ground.
6.3. Methods and material for	containment and cleaning up
Methods for cleaning up	Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Collect spillage with a shovel and broom, or similar and reuse, if possible. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. For waste disposal, see Section 13.
6.4. Reference to other section	ons
Reference to other sections	For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.
SECTION 7: Handling and sto	orage
7.1. Precautions for safe hand	dling
Usage precautions	Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Keep container tightly sealed when not in use.
Advice on general	Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash

occupational hygiene contaminated clothing before reuse.

Unspecified storage.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions	Store away from incompatible materials (see Section 10). Keep only in the original container.	
	Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.	

Storage class

Specific end use(s)

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

8.2. Exposure controls

Protective equipment



Appropriate engineering Provide adequate ventilation. Observe any occupational exposure limits for the product or ingredients.

Unless the assessment indicates a higher degree of protection is required, the following Eye/face protection protection should be worn: Tight-fitting safety glasses.

Hand protection

controls

No specific hand protection recommended.

Other skin and body protection	Wear appropriate clothing to prevent repeated or prolonged skin contact.
Hygiene measures	Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.
Respiratory protection	Ensure all respiratory protective equipment is suitable for its intended use and is 'UKCA'- marked. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges suitable for intended use should be used. Full face mask respirators with replaceable filter cartridges suitable for intended use should be used. Half mask and quarter mask respirators with replaceable filter cartridges suitable for intended use should be used.
Environmental exposure controls	Keep container tightly sealed when not in use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Powder.
Odour	Not known.
Odour threshold	No information available.
рН	No information available.
Melting point	300°C/572°F
Initial boiling point and range	No information available.
Flash point	No information available.
Evaporation rate	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No information available.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	No information available.
Solubility(ies)	No information available.
Partition coefficient	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
9.2. Other information	
Molecular weight	234.28883

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity

See the other subsections of this section for further details.

10.2. Chemical stability

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Summary

Summary

Carcinogenicity

Reproductive toxicity

1-Octanesulfonic acid sodium salt monohydrate for HPLC

Stability	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
10.3. Possibility of hazardous r	reactions
Possibility of hazardous reactions	No potentially hazardous reactions known.
10.4. Conditions to avoid	
Conditions to avoid	There are no known conditions that are likely to result in a hazardous situation.
10.5. Incompatible materials	
Materials to avoid	Strong oxidising agents.
10.6. Hazardous decomposition	n products
Hazardous decomposition products	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours. Carbon dioxide (CO2). Carbon monoxide (CO). Oxides of sulphur. Sodium oxides
SECTION 11: Toxicological info	ormation
11.1. Information on toxicologic	cal effects
Acute toxicity - oral Summary	Based on available data the classification criteria are not met.
Acute toxicity - dermal Summary	Based on available data the classification criteria are not met.
Acute toxicity - inhalation Summary	Based on available data the classification criteria are not met.
Skin corrosion/irritation Summary	Based on available data the classification criteria are not met.
Serious eye damage/irritation Summary	Based on available data the classification criteria are not met.
Respiratory sensitisation Summary	Based on available data the classification criteria are not met.
Skin sensitisation Summary Germ cell mutagenicity	Based on available data the classification criteria are not met.

Based on available data the classification criteria are not met.

 Summary
 Based on available data the classification criteria are not met.

IARC carcinogenicity None of the ingredients are listed or exempt.

Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

Summary	Based on available data the classification criteria are not met.	
Specific target organ toxicity - repeated exposure		
Summary	Based on available data the classification criteria are not met.	
Aspiration hazard Summary	Not relevant. Solid.	
General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.	
Inhalation	A single exposure may cause the following adverse effects: Temporary irritation.	
Ingestion	May cause discomfort if swallowed.	
Skin contact	Prolonged contact may cause dryness of the skin.	
Eye contact	May be slightly irritating to eyes.	
Route of exposure	Ingestion Inhalation Skin and/or eye contact	
Target organs	No specific target organs known.	
SECTION 12: Ecological infor	mation	
Ecotoxicity	Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.	
<u>12.1. Toxicity</u> Acute aquatic toxicity Summary Chronic aquatic toxicity Summary	Based on available data the classification criteria are not met. Based on available data the classification criteria are not met.	
12.2. Persistence and degrada		
	The degradability of the product is not known.	
12.3. Bioaccumulative potentia		
Bioaccumulative potential	No data available on bioaccumulation.	
Partition coefficient	No information available.	
12.4. Mobility in soil		
Mobility	No data available.	
12.5. Results of PBT and vPv	B assessment	
12.6. Other adverse effects		
Other adverse effects	None known.	
SECTION 13: Disposal consid	lerations	
12.1 Wasta tractment mother		

13.1. Waste treatment methods

General information	The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.
	residues and hence be potentially hazardous.

Disposal methods Do not empty into drains.

SECTION 14: Transport information

14.1. UN number

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

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

SECTION 15: Regulatory information

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

National regulations

Health and Safety at Work etc. Act 1974 (as amended). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"]. EH40/2005 Workplace exposure limits.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

Inventories

EU - EINECS/ELINCS

None of the ingredients are listed or exempt.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail. IATA: International Air Transport Association. ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air. IMDG: International Maritime Dangerous Goods. CAS: Chemical Abstracts Service. ATE: Acute Toxicity Estimate. LC50: Lethal Concentration to 50 % of a test population. LD50: Lethal Dose to 50% of a test population (Median Lethal Dose). EC₅₀: 50% of maximal Effective Concentration. PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative.
Training advice	Only trained personnel should use this material.
Revision date	03/08/2022
-	 IMDG: International Maritime Dangerous Goods. CAS: Chemical Abstracts Service. ATE: Acute Toxicity Estimate. LC50: Lethal Concentration to 50 % of a test population. LD50: Lethal Dose to 50% of a test population (Median Lethal Dose). EC₅₀: 50% of maximal Effective Concentration. PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative. Only trained personnel should use this material.

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