

MATERIAL SAFETY DATA SHEET

Chemical Product

Product Name: Hexanesulphonic acid sodium salt monohydrate

CAS#: 207300-91-2

Synonym: Not Available.

Chemical Name: Not Available

Chemical Formula: Not Available

Molecular Weight: Not Available

Composition and Information on Ingredients

Name	S.K.U	% by Weight
Hexanesulphonic acid sodium salt monohydrate	GCS-7143	100

Hazards Identification

Not a hazardous substance or preparation according to EC-directives 67/548/EEC or 1999/45/EC.

First Aid Measures

Eyes:
Flush eyes with water as a precaution.

Skin:
Wash off with soap and plenty of water.

Ingestion:
Never give anything by mouth to an unconscious person. Rinse mouth with water.

Inhalation:
If breathed in, move person into fresh air. If not breathing give artificial respiration. Notes to Physician:

Fire and Explosion Data

Extinguishing Media
Suitable: Use water spray, alcohol-resistant foam, dry chemical or Carbon dioxide.

Special Protective
Equipment For Firefighters: Wear self contained breathing apparatus for fire fighting if
Necessary.

Accidental Release Measures

Personal precautions: Avoid dust formation.

Environmental precautions: Do not let product enter drains.

Methods for cleaning up: Sweep up and shovel. Keep in suitable, closed
containers For disposal.

Handling and Storage

Handling:

Provide appropriate exhaust ventilation at places where dust is formed. Normal
measures for preventive fire protection.

Storage:

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Exposure Controls/Personal Protection

Personal Protective Equipment

Respiratory Protection: Respiratory protection is not required.

Where protection from nuisance levels of dusts are desired, use
type N95

(US) or type P1 (EN 143) dust masks.

Use respirators and components tested
and approved under appropriate
government standards such as NIOSH
(US) or CEN (EU).

Hand Protection: For prolonged or repeated contact use protective gloves.

Eye Protection: Safety glasses

Hygiene measures: General industrial hygiene practice.

Physical and Chemical Properties

Information on basic physical and chemical properties

a) Appearance Form

Colour

: white crystalline

b) Odour

: no data available

c) <u>Odour Threshold</u>	: no data available
d) <u>pH</u>	: no data available
e) <u>Melting point</u>	:
f) <u>Initial boiling point</u>	: no data available
g) <u>Flash point</u>	: no data available
h) <u>Evaporation rate</u>	: no data available
i) <u>Flammability (solid, gas)</u>	: no data available
j) <u>Explosive limits</u>	: no data available
k) <u>Vapour pressure</u>	: no data available
l) <u>Vapour density</u>	: no data available
m) <u>Relative density</u>	: no data available
n) <u>Water solubility</u>	: slightly soluble in water

Stability and Reactivity Data

Stability: The product is stable.

Instability Temperature: Not available.

Conditions of Instability: Heat, ignition sources (flames, sparks), incompatible materials

Incompatibility with various substances: Reactive with oxidizing agents.

Corrosivity: Not considered to be corrosive for metals and glass.

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity:

Not available. Polymerization:

Will not occur

Toxicological Information

Routes of Entry: Absorbed through skin. Inhalation. Toxicity to Animals:

WARNING: THE LC50 VALUES HEREUNDER ARE ESTIMATED ON THE BASIS OF A 4-HOUR EXPOSURE. Acute toxicity of the vapor (LC50): 103000 mg/m³ 4 hours [Rat]. Chronic Effects on Humans:

May cause damage to the following organs: lungs, peripheral nervous system, upper respiratory tract, skin, central nervous system (CNS).

Other Toxic Effects on Humans: Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans:

Acute Potential Health Effects: Skin: Causes skin irritation. It can be absorbed through the skin. Eyes: Contact with liquid may cause eye irritation. Contact with vapors is not expected to cause eye irritation. Inhalation: Inhalation of vapor or mist causes respiratory tract and mucous membrane irritation. It can affect behavior/central nervous system and cause central nervous system effects (mild excitement followed CNS depression which is characterized by headache, nausea, dizziness, hilarity, hallucinations, lightheadness, distorted perceptions, convulsions, weakness, loss of judgement and coordination, narcosis, semi-consciousness, coma and death at higher doses). It may cause cardiac effects (irregular heartbeat/cardiac arrhythmias, or heart to stop beating), and pulmonary edema. It is readily absorbed by the inhalation route. Ingestion: Causes gastrointestinal tract irritation with nausea, vomiting, swelling of the abdomen. Aspiration into the lungs can produce chemical pneumonitis. It can also affect behavior/central nervous system with symptoms paralleling those of inhalation. Chronic Potential Health Effects: Skin: Prolonged or repeated skin contact can defat the skin and product irritation and dermatitis. Inhalation: Repeated or prolonged inhalation may affect behavior/central nervous system (symptoms similar to acute inhalation) and may produce

minimal peripheral nerve damage (polyneuropathy) with numbness and tingling of the extremities in a stocking-and –glove pattern. Reversible of polyneuropathy as been reversible by a year following removal from exposure. It may also affect the brain, blood (anemia), and hearing (mild change in auditory threshold), and may also cause weight loss, Ingestion: Prolonged or repeated ingestion may affect the liver, urinary system, blood (changes in blood serum composition).

Toxicological Data on Ingredients:: Not available.

Ecological Information

Eco toxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The product itself and its products of degradation are not toxic.

Special Remarks on the Products of Biodegradation: Not available.

Disposal Considerations

Waste Disposal:

Waste must be disposed of in accordance with federal, state and local environmental control regulations

Transformation Information**Land transport (ADR-RID)**

General information: Not regulated.

Sea transport (IMDG) [English only]

General information: Not regulated.

Air transport (ICAO-IATA) [English only]

General information: Not regulated.

Other Regulatory Information**Federal and State Regulations:**

Connecticut hazardous material survey.: n-heptane Illinois toxic substances disclosure to employee act: n-heptane Rhode Island RTK hazardous substances: n-heptane Pennsylvania RTK: n-heptane Minnesota: n-heptane Massachusetts RTK: nheptane Massachusetts spill list: n-heptane New Jersey: n-heptane California Director's List of Hazardous Substances: nheptane TSCA 8(b) inventory: n- heptane TSCA 4(a) proposed test rules: n-heptane TSCA 8(d) H and S data reporting: nheptane: Effective date: 1/26/94; Sunset date: 6/30/98

Other Regulations:

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances

Other Classifications:

WHMIS (Canada):

CLASS B-2: Flammable liquid with a flash point lower than 37.8°C (100°F). CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC):

HMIS (U.S.A.):

Health Hazard: 1

Fire Hazard: 3

Reactivity: 0

Personal Protection: g

National Fire Protection Association (U.S.A.):

Health: 1

Flammability: 3

Reactivity: 0

Specific hazard:

Protective Equipment:

Gloves. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate. Safety glasses



Additional Information

References: Not available.

Other Special Considerations: Not available.

Disclaimer:

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