

This safety data sheet was created pursuant to the requirements of: OSHA HCS2012

Revision date 26-May-2023 Revision Number 1

# 1. Identification

Product identifier

Product Name Nabam Hydrate

Other means of identification

Product Code(s) TRC-N199900-1G

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended use Laboratory use

Restrictions on use Not to be used for human or animal consumption

Details of the supplier of the safety data sheet

### **Supplier Address**

VHG LGC Standards 276 Abby Road Manchester, NH 03103 UNITED STATES OF AMERICA

Tel:+1 (603) 622-7660 Fax:+1 (603) 622-5180 Email: lgcusa@lgcgroup.com

Web: Igcstandards.com

E-mail sds-request@lgcgroup.com

#### Emergency telephone number

### **Emergency Telephone**

For Hazardous Materials or Dangerous Goods Incident Spill, Leak, Fire Exposure, or Accident Call CHEMTREC: USA & Canada 1-800-424-9300 Rest of the world +1 703-741-5970

# 2. Hazard(s) identification

#### Classification

AGHS / EN Page 1/12



This safety data sheet was created pursuant to the requirements of: OSHA HCS2012

### TRC-N199900-1G - Nabam Hydrate

Revision date 26-May-2023

Classified according to OSHA.

Acute toxicity - Oral	Category 4
Skin sensitization	Category 1
Specific target organ toxicity (single exposure)	Category 3
Acute aquatic toxicity	Category 1
Chronic aquatic toxicity	Category 1

#### Hazards not otherwise classified (HNOC)

Not applicable

### Label elements

### Warning

### Hazard statements

Classified according to OSHA.
Harmful if swallowed
May cause an allergic skin reaction
May cause respiratory irritation
Very toxic to aquatic life with long lasting effects



#### **Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling Do not eat, drink or smoke when using this product Avoid breathing dust/fume/gas/mist/vapors/spray Contaminated work clothing must not be allowed out of the workplace Wear protective gloves
Use only outdoors or in a well-ventilated area

IF ON SKIN: Wash with plenty of water and soap
If skin irritation or rash occurs: Get medical advice/attention
Wash contaminated clothing before reuse
IF INHALED: Remove person to fresh air and keep comfortable for breathing
Call a POISON CENTER or doctor if you feel unwell
IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell

# **Precautionary Statements - Storage**

Rinse mouth

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

AGHS / EN Page 2/12



This safety data sheet was created pursuant to the requirements of: OSHA HCS2012

### TRC-N199900-1G - Nabam Hydrate

Revision date 26-May-2023

Store locked up

**Precautionary Statements - Disposal** 

Dispose of contents/container to an approved waste disposal plant

Other information

No information available.

# 3. Composition/information on ingredients

Substance

Formula  $C_4H_6N_2Na_2S_4xH_2O$ 

Chemical name	CAS No	Weight-%	Trade secret
Nabam Hydrate	-	100	*

### 4. First-aid measures

### **Description of first aid measures**

**General advice** Show this safety data sheet to the doctor in attendance.

**Inhalation** Remove to fresh air. IF exposed or concerned: Get medical advice/attention.

Eye contact Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.

Consult a physician.

**Skin contact** Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation

or allergic reactions see a physician.

**Ingestion** Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious

person. Call a physician.

Most important symptoms and effects, both acute and delayed

**Symptoms** Itching. Rashes. Hives.

Indication of any immediate medical attention and special treatment needed

**Note to physicians** May cause sensitization in susceptible persons. Treat symptomatically.

5. Fire-fighting measures

surrounding environment.

AGHS / EN Page 3/12



This safety data sheet was created pursuant to the requirements of: OSHA HCS2012

#### TRC-N199900-1G - Nabam Hydrate

Revision date 26-May-2023

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the

chemical

Product is or contains a sensitizer. May cause sensitization by skin contact.

**Explosion data** 

Sensitivity to mechanical impact None.

Sensitivity to static discharge

Special protective equipment and precautions for fire-fighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear.

Use personal protection equipment.

## 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

None.

Personal precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal

protective equipment as required. Evacuate personnel to safe areas. Keep people away

from and upwind of spill/leak.

**Other information** Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

## 7. Handling and storage

#### Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with

skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off

contaminated clothing and wash before reuse. Avoid breathing vapors or mists.

Conditions for safe storage, including any incompatibilities

Storage Conditions Please refer to the manufacturer's certificate for specific storage and transport temperature

conditions. Store only in the original receptacle unless other advice is given on the CoA. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach

of children.

AGHS / EN Page 4/12



This safety data sheet was created pursuant to the requirements of: OSHA HCS2012

TRC-N199900-1G - Nabam Hydrate

Revision date 26-May-2023

# 8. Exposure controls/personal protection

Control parameters

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational

exposure limits established by the region specific regulatory bodies.

**Biological occupational exposure limits** 

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific

regulatory bodies.

**Appropriate engineering controls** 

Engineering controls Showers

Eyewash stations Ventilation systems.

Individual protection measures, such as personal protective equipment

**Eye/face protection** Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

Hand protection The protective gloves to be used must comply with the specifications of EC Directive

89/686/EEC and the related standard EN374. Wear suitable gloves.

**Skin and body protection**Wear suitable protective clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are

exceeded or irritation is experienced, ventilation and evacuation may be required.

**Environmental exposure controls** Do not allow into any sewer, on the ground or into any body of water.

**General hygiene considerations** Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this

product. Wash hands before breaks and after work. Wear suitable gloves and eye/face

protection.

## 9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state Solid Appearance Solid

ColorOff white; to; light yellowOdorNo information availableOdor thresholdNo information available

AGHS / EN Page 5/12



This safety data sheet was created pursuant to the requirements of: OSHA HCS2012

### TRC-N199900-1G - Nabam Hydrate

Revision date 26-May-2023

<u>Property</u>	<u>Values</u>	Remarks • Method	
рН	No data available	None known	

Melting point / freezing point No data available None known Initial boiling point and boiling rangeNo data available None known Flash point No data available None known **Evaporation rate** No data available None known **Flammability** No data available None known Flammability Limit in Air None known

**Upper flammability or explosive** No data available

limits

Lower flammability or explosive No data available

limits

No data available None known Vapor pressure No data available Relative vapor density None known No data available Relative density None known Water solubility No data available None known Solubility(ies) No data available None known Partition coefficient No data available None known Autoignition temperature No data available None known **Decomposition temperature** None known

Value

Other information

Explosive properties

Oxidizing properties

No information available
No information available
No information available
No information available
Softening point

No information available
256.34 + x(18.02)

VOC content
No information available
Liquid Density
No information available
Bulk density
No information available

## 10. Stability and reactivity

**Reactivity** No information available.

Chemical stability Stable under normal conditions.

Possibility of hazardous reactions None under normal processing.

**Conditions to avoid**None known based on information supplied.

**Incompatible materials**None known based on information supplied.

Hazardous decomposition products None known based on information supplied.

## 11. Toxicological information

AGHS / EN Page 6/12



This safety data sheet was created pursuant to the requirements of: OSHA HCS2012

TRC-N199900-1G - Nabam Hydrate

Revision date 26-May-2023

#### Information on likely routes of exposure

**Product Information** 

**Inhalation** Specific test data for the substance or mixture is not available. May cause irritation of

respiratory tract.

**Eye contact** Specific test data for the substance or mixture is not available.

**Skin contact** May cause sensitization by skin contact. Specific test data for the substance or mixture is

not available. Repeated or prolonged skin contact may cause allergic reactions with

susceptible persons. (based on components).

Ingestion Specific test data for the substance or mixture is not available. Harmful if swallowed. (based

on components).

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Itching. Rashes. Hives.

**Acute toxicity** 

Numerical measures of toxicity

No information available

Delayed and immediate effects as well as chronic effects from short and long-term exposure

**Skin corrosion/irritation**No information available.

Serious eye damage/eye irritation No information available.

**Respiratory or skin sensitization** May cause an allergic skin reaction.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** No information available.

**Reproductive toxicity** No information available.

**STOT - single exposure** May cause respiratory irritation.

AGHS / EN Page 7/12



This safety data sheet was created pursuant to the requirements of: OSHA HCS2012

TRC-N199900-1G - Nabam Hydrate

Revision date 26-May-2023

STOT - repeated exposure No information available.

**Aspiration hazard** No information available.

Other adverse effects No information available.

Interactive effects No information available.

## 12. Ecological information

**Ecotoxicity** Very toxic to aquatic life with long lasting effects.

Persistence and degradability No information available.

**Bioaccumulation** There is no data for this product.

Other adverse effects No information available.

## 13. Disposal considerations

**Disposal methods** 

Waste from residues/unused

products

Dispose of in accordance with local regulations. Dispose of waste in accordance with

environmental legislation.

Contaminated packaging Do not reuse empty containers.

## 14. Transport information

DOT

**UN** number or ID number UN3077

Extended proper shipping name Environmentally hazardous substance, solid, n.o.s. (Nabam Hydrate)

Transport hazard class(es) Packing group

**Special Provisions** 8, 146, 335, 384, 441, A112, B54, B120, IB8, IP3, N20, N91, T1, TP33

**DOT Marine Pollutant** 

Description UN3077, Environmentally hazardous substance, solid, n.o.s. (Nabam Hydrate), 9, III,

AGHS / EN Page 8/12



This safety data sheet was created pursuant to the requirements of: OSHA HCS2012

### TRC-N199900-1G - Nabam Hydrate

Revision date 26-May-2023

Marine pollutant

**Emergency Response Guide** 

Number

171

<u>TDG</u>

UN number or ID number UN3077

**UN proper shipping name** Environmentally hazardous substance, solid, n.o.s. (Nabam Hydrate)

Transport hazard class(es)
Packing group
Special Provisions
Marine pollutant
9
111
16, 99

**Description** UN3077, Environmentally hazardous substance, solid, n.o.s. (Nabam Hydrate), 9, III

MEX

UN number or ID number UN3077

**UN proper shipping name** Environmentally hazardous substance, solid, n.o.s. (Nabam Hydrate)

Transport hazard class(es) 9
Packing group ||||

Technical Name Nabam Hydrate

**Description** UN3077, Environmentally hazardous substance, solid, n.o.s. (Nabam Hydrate), 9, III

Special Provisions 274, 331, 335

<u>IATA</u>

UN number or ID number UN3077

**UN proper shipping name** Environmentally hazardous substance, solid, n.o.s. (Nabam Hydrate)

Transport hazard class(es) 9
Packing group |||

Technical Name Nabam Hydrate

**Description** UN3077, Environmentally hazardous substance, solid, n.o.s. (Nabam Hydrate), 9, III

**Special Provisions** A97, A158, A179, A197, A215

ERG Code 9L

<u>IMDG</u> Not regulated

UN number or ID number UN3077

**UN proper shipping name** Environmentally hazardous substance, solid, n.o.s. (Nabam Hydrate)

Transport hazard class(es) 9
Packing group III
EmS-No F-A, S-F

**Special Provisions** 274, 335, 966, 967, 969

Marine pollutant P

**Description** UN3077, Environmentally hazardous substance, solid, n.o.s., 9, III, Marine pollutant

## 15. Regulatory information

**International Inventories** 

TSCA Complies under research and development exemption or is regulated by a different

government agency.

AGHS / EN Page 9/12



This safety data sheet was created pursuant to the requirements of: OSHA HCS2012

### TRC-N199900-1G - Nabam Hydrate

Revision date 26-May-2023

Chemical name	CAS No	US TSCA Inventory listing	US TSCA inactive/active
			designation
Nabam Hydrate	-	-	-

\*Contact supplier for details. One or more substances in this product are either not listed on the US TSCA inventory, listed on the confidential US TSCA inventory or are otherwise exempted from inventory listing requirements

DSL/NDSL
EINECS/ELINCS
Contact supplier for inventory compliance status.
Contact supplier for inventory compliance status.
Contact supplier for inventory compliance status.
IECSC
Contact supplier for inventory compliance status.
KECL
Contact supplier for inventory compliance status.
Contact supplier for inventory compliance status.
Contact supplier for inventory compliance status.
AllC
Contact supplier for inventory compliance status.

#### Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

### **US Federal Regulations**

### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

#### SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

## **CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

### **CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

AGHS / EN Page 10/12



This safety data sheet was created pursuant to the requirements of: OSHA HCS2012

TRC-N199900-1G - Nabam Hydrate

Revision date 26-May-2023

**US State Regulations** 

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

### U.S. State Right-to-Know Regulations

This product does not contain any substances regulated under applicable state right-to-know regulations

#### U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

## 16. Other information

NFPA Health hazards 2 Flammability 0 Instability 0 Special hazards - HMIS Health hazards 2 Flammability 0 Physical hazards 0 Personal protection X

#### Key or legend to abbreviations and acronyms used in the safety data sheet

Legend Section 8: Exposure controls/personal protection

TWA TWA (time-weighted average) STEL STEL (Short Term Exposure Limit)

Ceiling Maximum limit value \* Skin designation

### Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR) U.S. Environmental Protection Agency ChemView Database

U.S. Environmental Protection Agency Chemylew Databa

European Food Safety Authority (EFSA)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGL(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

Japan GHS Classification

Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organization for Economic Co-operation and Development Environment, Health, and Safety Publications

Organization for Economic Co-operation and Development High Production Volume Chemicals Program

Organization for Economic Co-operation and Development Screening Information Data Set

World Health Organization

Revision date 26-May-2023

Revision Note No information available.

AGHS / EN Page 11/12



This safety data sheet was created pursuant to the requirements of: OSHA HCS2012

TRC-N199900-1G - Nabam Hydrate

Revision date 26-May-2023

### **Disclaimer**

The information in this Safety Data Sheet meets the requirements of the United States OCCUPATIONAL SAFETY AND HEALTH ACT and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) This document is intended only as a guide to the appropriate precautionary handling of the material by a person trained in, or supervised by a person trained in, chemical handling. The user is responsible for determining the application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, we cannot warn of all of the potential dangers of use or interaction with other chemicals or materials. We warrant that the chemical meets the specifications set forth on the label. We (LGC/VHG/ARMI) disclaim any other warranties, expressed or implied with regard to the product supplied hereunder, its merchantability or its fitness for a particular purpose. The user should recognize that this product can cause severe injury and even death, especially if improperly handled or the known dangers of use are not heeded. Read all precautionary information.

**End of Safety Data Sheet** 

AGHS / EN Page 12/12