



## **SAFETY DATA SHEET**

### **Section 1 - Identification and Company Information**

Product Name: **Niacinamide**  
Synonyms: 3-Pyridinecarboxamide, Nicotinamide  
3-Carbomoylpyridine, 3-Pyridinecarboxamide  
Company: Voyageur Soap & Candle Co LTD  
Address: Unit 14 - 19257 Enterprise Way, Surrey, B.C., V3S 6J8  
Phone: 1(800)758-7773

### **Section 2 – Hazard(s) Identification**

#### **GHS Classification**

Serious eye damage / eye irritation: Category 2A

#### **Hazards Pictogram**

GHS 07



Signal word

Warning

#### **Hazards and Precautionary statements**

Hazards statements

H319 Causes serious eye irritation

Precautionary statements

Prevention

P264 wash hands, eyes and face thoroughly after handling

P280 Wear protective gloves/clothing and eye/face protection

#### **Response**

P305 + P351 + P338: If in eyes, rinse cautiously with water for several times. Remove contact lenses if present and easy to do. Continue rinsing

P337 + P313: If eye irritation persists get medical advice/attention.

#### **Storage**

P405: Store locked up

#### **Disposal**

P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

### **Section 3 – Compositions / Information on Ingredients**

Synonyms: Niacinamide  
3-Pyridinecarboxamide, Nicotinamide  
3-Carbomoylpyridine, 3-Pyridinecarboxamide  
CAS No.: 98-92-0  
EC-No.: 202-713-4  
Purity:  $\geq 98.5\%$  w/w

### **Section 4 - First Aid Measures**

**Key symptoms:**



Acute effects: It causes eye irritation

Chronic effects: Affects the kidneys, eyes and liver.

**First Aid:**

Eye: If in eyes rinse cautiously with water for at least 15 minutes. Remove contact lenses if easy to do so. Continue rinsing. Seek medical attention.

Inhalation – Remove person to fresh air and keep at rest in a position comfortable for breathing.

Call a poison center or doctor/physician if person feels unwell.

Ingestion – Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Skin contact- Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water.

**Section 5 - Fire Fighting Measures**

Flash point: 182°C

Flammability: Non flammable solid

Suitable extinguishing media:

Dry chemical powder, carbon dioxide and alcohol resistant foam.

Water may be in-effective. Water spray can be effective in cooling down the fire-exposed containers and knocking down the vapors.

Unusual fire and explosion hazard:

Toxic vapors may be released on thermal decomposition including nitrogen oxides, carbon monoxide and cyanide.

High vapor concentration may result in an explosion hazard.

Protective equipment: wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

**Section 6 - Accidental Release Measures**

Ventilate area of spill. Wear appropriate personal protective equipment as specified in section 8.

Clean up spills in a manner that does not disperse dust into the air. Pick up spill for recovery or disposal.

**Section 7 - Handling and Storage**

Handling:

Do not breathe vapor or mist. Wear protective gloves/clothing and eye/face protection. Wash thoroughly after handling. If contact with skin remove all contaminated clothing and rinse with plenty of water.

Advice on protection against fire and explosion: Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed.

Storage:

Preserve in tight container. Store away from incompatible materials.



## **Section 8 - Exposure Controls / Personal Protection**

### **Exposure Limit (International):**

OEL-Russia: STEL 1 mg/m<sup>3</sup>

### **Exposure Controls:**

Provide exhaust ventilation. Ensure that eyewash stations and safety shower are close to the workstation location.

### **Personal protection:**

Handle in accordance with good industrial hygiene and safety practice.

Hand: protective gloves.

Eye: chemical safety goggles.

General hygiene measures: wash thoroughly after handling.

## **Section 9 - Physical/Chemical Properties**

Appearance	White crystalline powder
Melting point	128°C to 131°C
Boiling point	157 deg C at 5x10 <sup>-4</sup> mm Hg
Flash point	182°C
Molecular weight	122.12 g/mol
Solubility	Freely soluble in water and in alcohol. Soluble in glycerin.

## **Section 10 - Stability and Reactivity**

Stability: Stable under normal conditions

Conditions to Avoid: Dust generation.

Incompatible chemicals: Strong acids and bases, strong oxidizing agents

Hazardous decomposition: Burning may produce hazardous combustion gas like nitrogen oxides, carbon monoxide, carbon dioxide.

Hazardous polymerization : Not expected.

## **Section 11 –Toxicological Information**

Acute toxicity:

It causes irritation to the mucous membranes and upper respiratory tract. It causes eye irritation.

Chronic effects:

Affects kidneys, eyes and liver.

LD50 / LC50:

Acute oral LD50 (Rat) 3530-3540 mg/kg

Acute dermal LD50 (rabbit) > 2000 mg/kg

Skin corrosion/irritation: No data available

Serious eye damage/eye irritation: Causes serious eye irritation

## **Section 12 - Ecological Information**

Toxicity (Ecotoxicity):

Fish toxicity: P.reticulata LC<sub>50</sub>: 4500 mg/1/96h.

Daphnia magna EC50: > 1000 mg/L/24h

Persistence and degradability:

Aerobic: Nicotinamide was determined to be readily biodegradable in an aerobic screening test



Recommended by the Department of Environment, Standing Committee of Analysts, UK(1).  
Anaerobic: Nicotinamide was not degraded using an anaerobic spore-forming rod (Clostridia sp.)  
bacteria isolated from Potamac River Mud (1).

### **Section 13 - Disposal Considerations**

Observe all federal, state, and local environmental regulations.

### **Section 14 - Transport Information**

This substance is considered to be non hazardous for transport by air/railroad and sea and thus not regulated by IATA / ICAO / ARD / RID / IMO / IMDG.

### **Section 15 - Regulatory Information**

#### **European Union Information:**

Classification as per Regulation 67/548/EEC: Xi: R336

Xi- irritant

Risk Phrases: R36: Irritating to eyes

Safety Phrases:

S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36/37/39: Wear suitable protective clothing and eye / face protection.

Classification as per CLP Regulation 1272/2008:

Eye Irrit Cat.2 Hazard Statement: H319

#### **US information**

**TSCA:** CAS # 98-92-0 is listed on the TSCA inventory

**WGK (Water Danger/Protection):** CAS # 98-92-0: 0

#### **Canada**

CAS # 98-92-0 is listed on Canada's DSL list

CAS # 98-92-0 is not listed on Canada's Ingredient Disclosure list

### **Section 16 - Other Information**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Dated: 7/20/2016