

## Vitamin B3 (Niacinamide), USP

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 /  
March 26, 2012 / Rules and Regulation

Revision Date: 24-Feb-2021  
Supersedes: Oct-2017

### 1 PRODUCT & COMPANY IDENTIFICATION

**Product Name:** Vitamin B3 (Niacinamide), USP  
**Synonyms:** No data available  
**INCI Name:** Niacinamide  
**CAS Number:** 98-92-0  
**Formula:** No data available  
**Product Form:** Powder  
**Product Use:** Cosmetic use

**Distributor:** MakingCosmetics Inc.  
**Address:** 10800 231<sup>st</sup> Way NE  
Redmond, WA 98053 (USA)  
**Phone / Fax:** 425-292-9502 / 425-292-9601  
**Web:** [www.makingcosmetics.com](http://www.makingcosmetics.com)

**Emergency Telephone Number:** 1-800-424-9300  
(Chemtrec)

### 2 HAZARDS IDENTIFICATION

**GHS Classification:** Serious Eye Damage/Eye Irritation, Category 2A  
**Signal Word:** None  
**GHS Hazard Pictograms:** None  
**GHS Hazard Statements:** P264: Wash hands, eyes, and face thoroughly after handling.  
P280: Wear protective gloves/clothing and eye/face protection.  
P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for 15 minutes.  
Remove contact lenses.  
P337 + P313: If eye irritation persists, get medical attention.  
**GHS Precautionary Statements:** None  
**Potential Health Hazards:** Eyes: Not expected to be irritant.  
Inhalation: Not expected to be irritant.  
Skin: Not expected to be irritant.  
Ingestion: Not expected to be irritant.  
**NFPA Ratings (704):**

Health	N/A	N/A
Flammability	N/A	N/A
Reactivity	N/A	N/A
Specific Hazard	N/A	

### 3 COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Weight %	Molecular Weight
Niacinamide	98-92-0	>98.5%	122.12 g/mol

### 4 FIRST AID MEASURES

**Eyes:** Can cause serious eye irritation. Check for and remove any contact lenses. Protect unharmed eye. Immediately flush eyes with running water for at least 15 minutes. Cold water may be used. Do not use an eye ointment. Seek medical attention.  
**Inhalation:** Allow the victim to rest in a well-ventilated area. If unconscious, place in recover position and get medical attention immediately.  
**Skin:** Wash with soap and water. Seek medical attention if necessary.  
**Ingestion:** Keep respiratory tract clear. Do not give milk or alcoholic beverages. Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Seek medical attention if necessary.

### 5 FIRE-FIGHTING MEASURES

<b>Suitable (and unsuitable) extinguishing media:</b>	May be combustible at high temperature. Use appropriate media (dry powder, foam, carbon dioxide) for adjacent fire. Do not use high volume water jet.
<b>Special protective equipment &amp; precautions for firefighters:</b>	Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.
<b>Flash Points:</b>	No data available
<b>Specific hazards arising from the chemical:</b>	Irritating. Non-combustible, however if involved in a fire, hazardous fumes may be evolved. See also Stability and Reactivity section.

## 6 ACCIDENTAL RELEASE MEASURES

<b>Personal precautions, protective equipment &amp; emergency procedures:</b>	Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.
<b>Environmental precautions:</b>	Avoid liquid release into sewers/public water. Notify environmental authorities in case of large leaks.
<b>Methods and material for containment and cleaning up:</b>	Small spill: Use appropriate tools to put the spilled solid in a convenient waste disposal container. Collect mechanically and dispose of according to local and regional authority requirements. Large spill: Use a shovel to put the material into a convenient waste disposal container. Collect mechanically. Do not allow entry into drains or waterways.

## 7 HANDLING & STORAGE

<b>Precautions for safe handling:</b>	Do not ingest. Do not breathe dust. Avoid contact with eyes. Wear suitable protective clothing. If suggested, seek medical advice immediately. See section 8 for recommendations on the use of personal protective equipment. Keep container closed when not in use.
<b>Conditions for safe storage, incl. any incompatibilities:</b>	Keep container dry. Keep in a cool place. Ground all equipment containing material. Keep container tightly closed. Store in cool, dry well-ventilated area. Keep away from heat and incompatible materials (see section 10 for incompatibilities).

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<u>Component</u>	<u>Exposure Limits</u>	<u>Basis</u>	<u>Entity</u>
Niacinamide	1 mg/m <sup>3</sup>	STEL	OEL-RUSSIA

TWA: Time Weighted Average over 8 hours of work.  
TLV: Threshold Limit Value over 8 hours of work.  
REL: Recommended Exposure Limit  
PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit during x minutes.  
IDLH: Immediately Dangerous to Life or Health  
WEEL: Workplace Environmental Exposure Levels  
CEIL: Ceiling

### Personal Protection:

<b>Eyes:</b>	Eye goggles with side guards. In case of large spill: safety glasses with side-shields conforming to EN 166.
<b>Inhalation:</b>	Approved or certified dust respirator. In case of large spill: A self-contained breathing apparatus should be used to avoid inhalation of the product.
<b>Body:</b>	Lab coat. In case of large spill: Full suit should be worn. Nitrile rubber gloves should be worn. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
<b>Other:</b>	Use good personal hygiene practices. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	White crystalline powder	<b>Vapor Pressure:</b>	No data available
<b>Odor:</b>	Odorless	<b>Vapor Density:</b>	No data available
<b>Odor Threshold:</b>	No data available	<b>Evaporation Rate:</b>	No data available
<b>Color:</b>	White	<b>Flammability:</b>	No data available
<b>Molecular Weight:</b>	122.12 g/mol	<b>Upper/lower Explosive Limit:</b>	No data available

<b>pH:</b>	5.35-5.5	<b>Flash Point:</b>	No data available
<b>Boiling Point:</b>	157°C	<b>Specific Gravity:</b>	No data available
<b>Melting Point:</b>	121-131°C	<b>Solubility:</b>	Soluble in water, alcohol
<b>Relative Density:</b>	5.31 g/cm3	<b>Auto-Ignition Temperature:</b>	No data available
<b>Partition Coefficient: n-octanol/water:</b>	No data available	<b>Decomposition Temperature:</b>	No data available
<b>Viscosity:</b>	No data available	<b>Explosive Properties:</b>	No data available
<b>Oxidizing Properties:</b>	No data available	<b>Freezing Point:</b>	No data available
<b>Bulk Density:</b>	360 kg/m3		

## 10 STABILITY AND REACTIVITY

<b>Reactivity:</b>	No data available
<b>Chemical Stability:</b>	Stable.
<b>Hazardous Polymerization:</b>	Not Expected.
<b>Conditions to Avoid:</b>	No data available
<b>Incompatible Materials:</b>	Acids. Alkali metals.
<b>Hazardous Decomposition Products:</b>	No data available

## 11 TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	No data available
<b>Skin:</b>	LD50: >2000 mg/kg
<b>Eyes:</b>	No data available
<b>Respiratory:</b>	No data available
<b>Ingestion:</b>	LD50: 3530-3540 mg/kg
<b>Carcinogenicity:</b>	No data available
<b>Teratogenicity:</b>	No data available
<b>Germ Cell Mutagenicity:</b>	No data available
<b>Embryotoxicity:</b>	No data available
<b>Specific Target Organ Toxicity:</b>	No data available
<b>Reproductive Toxicity:</b>	No data available
<b>Respiratory/Skin Sensitization:</b>	No data available
<b>Corrosivity:</b>	No data available
<b>Sensitization:</b>	No data available
<b>Irritation:</b>	No data available
<b>Repeated Dose Toxicity:</b>	No data available

## 12 ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	Very toxic to aquatic life with long lasting effects.
<b>Aquatic Vertebrate:</b>	LC50: 4200 mg/L (96h) (fresh water)
<b>Aquatic Invertebrate:</b>	EC50: >1000 mg/L (24h) (algae) NOEC: 560 mg/L (72h) (fresh water)
<b>Terrestrial:</b>	No data available
<b>Persistence and Degradability:</b>	Long term degradation products may arise. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
<b>Bioaccumulative Potential:</b>	No data available
<b>Mobility in Soil:</b>	No data available
<b>PBT and vPvB Assessment:</b>	No data available
<b>Other Adverse Effects:</b>	No data available

## 13 DISPOSAL CONSIDERATIONS

- Waste Residues:** Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary, before disposing of waste product container.  
Product should not be allowed to enter drains, water courses, or the soil.
- Product Containers:** Users should review their operations in terms of the applicable federal/national or local regulations and consult with appropriate regulatory agencies if necessary, before disposing of waste product container.

The information in section 13 is for the product as shipped. Use and/or alterations to the product may change the characteristics of the material and alter the waste classification and proper disposal methods

## 14 TRANSPORT INFORMATION

- |  |                             |
|--|-----------------------------|
| <b>DOT (Dept. of Transportation, USA):</b>               | No data available           |
| <b>TDG (Transportation of Dangerous Goods, Canada):</b>  | Not regulated for transport |
| <b>IMDG (International Maritime Dangerous Goods):</b>    | Not regulated for transport |
| <b>IATA (International Air Transport Association):</b>   | Not regulated for transport |
| <b>ICAO (International Civil Aviation Organization):</b> | Not regulated for transport |

## 15 REGULATORY INFORMATION

- |                                  |   |
|----------------------------------|---|
| <b>TSCA Inventory Status:</b>    | CAS 98-92-0 listed on TSCA Inventory    |
| <b>DSCL (EEC):</b>               | CAS 98-92-0 listed on Canada's DSL List |
| <b>WHMIS (Canada):</b>           | No data available                       |
| <b>EU EINECS/ELINCS/NLP:</b>     | No data available                       |
| <b>China IECSC:</b>              | No data available                       |
| <b>China IECIC (06.30.2014):</b> | No data available                       |
| <b>Australia AICS:</b>           | No data available                       |

## 16 OTHER INFORMATION

- Revision Date:** 24-Feb-2021
- Compliance:** This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200
- Disclaimer:** This 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 other process. Such information is to be the best of the company's knowledge and believed accurate and reliable as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability & completeness of such information for his own particular use.