Vitamin B3 (Niacinamide)

1 PRODUCT & COMPANY IDENTIFICATION

Product Name: Vitamin B3 (Niacinamide)  
Distributor: MakingCosmetics.com Inc.
Address: 10800 231st Way NE Redmond, WA 98053 (USA)
Phone / Fax: 425-292-9502 / 425-292-9601
Web: www.makingcosmetics.com

Synonyms: 3-Pyridine Carboxamide, Vitamin PP
CAS Number: 98-92-0
Formula: C6H5NO2
Product Form: Powder
Product Use: Cosmetic use
Emergency Telephone Number: 1-800-424-9300 (Chemtrec)

2 HAZARDS IDENTIFICATION

GHS Classification: Eye Irrit. 2, Skin Irrit. 2, STOT SE 3
GHS Signal Word: WARNING
GHS Hazard Pictograms: ![ ]
GHS Hazard Statements:
- H319: Causes serious eye irritation
- H335: May cause respiratory irritation
- H336: May cause drowsiness or dizziness

GHS Precautionary Statements:
- P281: Use personal protective equipment as required

Potential Health Hazards:
- Eyes: May be irritant.
- Inhalation: Causes irritation of the respiratory tract.
- Skin: Not irritant.
- Ingestion: May be irritant.

NFPA Ratings (704):
- Health: 1 Slight
- Flammability: 1 Slight
- Reactivity: 0 Minimal

3 COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No.</th>
<th>Weight %</th>
<th>Molecular Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Niacinamide</td>
<td>98-92-0</td>
<td>100%</td>
<td>122.12464 g/mol</td>
</tr>
</tbody>
</table>

4 FIRST AID MEASURES

Eyes: Flush eyes with water or standard eye wash solution. Consult physician.
Inhalation: Move to fresh air. If breathing is difficult, give oxygen. Call a physician if symptoms develop or persist.
Skin: Wash off skin with soap and water. Get medical attention if irritation develops or persists.
Ingestion: May cause nausea, vomiting, diarrhea, constipation, cramps and loss of appetite. Contact physician.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media:
- Water spray, dry powder, foam, carbon dioxide

Special protective equipment & precautions for firefighters:
- Firefighters should wear full firefighting turn-out gear (full Bunker gear) including NIOSH-approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode.

Flash Points: Undetermined
Specific hazards arising from the chemical: Not available.

6 ACCIDENTAL RELEASE MEASURES
7 HANDLING & STORAGE

Precautions for safe handling: Process in closed systems, if possible superposed by inert gas (e.g. nitrogen), local exhaust ventilation is recommended, take precautionary measures against electrostatic charging, avoid dust; very high dust explosion hazard.

Conditions for safe storage, incl. any incompatibilities: Store in stainless steel, aluminum, enamel glass or polyethylene. Store below 25°C protected from light and humidity.

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Component</th>
<th>Exposure Limits</th>
<th>Basis</th>
<th>Entity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Niacinamide</td>
<td>Not available</td>
<td>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</td>
<td></td>
</tr>
</tbody>
</table>

Personal Protection:
Eyes: Wear safety glasses
Inhalation: In case of open handling of larger quantities wear particle mask or respirator.
Body: Wear protective gloves.
Other: Employees must practice good personal hygiene, washing exposed areas of skin several times daily and laundering contaminated clothing before re-use.

9 PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance, Physical State</td>
<td>Powder</td>
</tr>
<tr>
<td>Odor</td>
<td>Odorless</td>
</tr>
<tr>
<td>Taste</td>
<td>Not available</td>
</tr>
<tr>
<td>Color</td>
<td>White</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>122.12464 g/mol</td>
</tr>
<tr>
<td>pH (1% sol. in water)</td>
<td>6.0-7.5 (5% aqueous solution)</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>224°C</td>
</tr>
<tr>
<td>Melting Point</td>
<td>128-131°C</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Undetermined</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Undetermined</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>Undetermined</td>
</tr>
<tr>
<td>Flammability</td>
<td>Undetermined</td>
</tr>
<tr>
<td>Upper/lower Explosive Limit</td>
<td>Undetermined</td>
</tr>
<tr>
<td>Solubility</td>
<td>Undetermined</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Undetermined</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>Undetermined</td>
</tr>
</tbody>
</table>

10 STABILITY AND REACTIVITY

Reactivity: Product is stable under normal conditions
Chemical Stability: Product is stable under normal conditions
Hazardous Polymerization: Undetermined
Conditions to Avoid: Undetermined
Incompatible Materials: Acids, bases (hydrolysis)
Hazardous Decomposition Products: Readily biodegradable; formation of toxic and corrosive combustion gasses possible.

11 TOXICOLOGICAL INFORMATION

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Toxicity</td>
<td>Acute oral toxicity (LD50) 3500 mg/kg rat, 2500 mg/kg mouse</td>
</tr>
<tr>
<td>Skin</td>
<td>Non-irritant</td>
</tr>
<tr>
<td>Eyes</td>
<td>Strong irritation</td>
</tr>
<tr>
<td>Respiratory</td>
<td>Inhaling dust may be irritating to the respiratory system.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Do not ingest; product may cause gastrointestinal irritation.</td>
</tr>
<tr>
<td>Carcinogenicity</td>
<td>Not available</td>
</tr>
</tbody>
</table>
Teratogenicity: Not available
Germ Cell Mutagenicity: Not available
Embryotoxicity: Not available
Specific Target Organ Toxicity: Not available
Reproductive Toxicity: Not available
Respiratory/Skin Sensitization: Not available

12 ECOLOGICAL INFORMATION

Ecotoxicity
- Aquatic Vertebrate: Not available
- Aquatic Invertebrate: Not available
- Terrestrial: Not available

Persistence and Degradability: Not available
Bioaccumulative Potential: Not available
Mobility in Soil: Not available
PBT and vPvB Assessment: Not available
Other Adverse Effects: Not 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 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

DOT (Dept. of Transportation, USA): Not regulated
TDG (Transportation of Dangerous Goods, Canada): Not regulated
IMDG (International Maritime Dangerous Goods): Not regulated
IATA (International Air Transport Association): Not regulated
ICAO (International Civil Aviation Organization): Not regulated

15 REGULATORY INFORMATION

TSCA Inventory Status: Listed as niacinamide.
DSCL (EEC): This product is not classified according to the EU regulations. Not applicable.
WHMIS (Canada): Not controlled under WHMIS (Canada)

16 OTHER INFORMATION

Revision Date: 08-24-2015
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 suitableness & completeness of such information for his own particular use.