



# Safety Data Sheet

## Vitamin B3, Niacinamide USP

Complies with 29 CFR 1910.1200

### Section 1: Company and Product Identification

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**Product Name:** Vitamin B3, Niacinamide USP

**INCI Name:** Niacinamide

**Material Uses:** Active ingredient in cosmetic and personal care applications.

**Restrictions on Use:** Repackaged for cosmetic use only

**Company:** Lotioncrafter LLC  
48 Hope Ln  
Eastsound, WA 98245  
PH: 1-360-376-8008

**Emergency Response:** In USA, Canada and North America, 24 hour / 7 day emergency information for our product is provided by the CHEMTREC Emergency Call Center based in the USA.

USA, Canada, Puerto Rico, Virgin Islands                      CALL +1 800-424-9300  
In case of difficulties or for ships at sea                      CALL +1 703-527-3887  
In Europe, Middle East, Africa, Asia Pacific, South America      CALL +1 703-527-3887

### Section 2: Hazards Identification

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**Hazard Pictograms:**



**Signal Word:** Warning

**Hazard Classification:** Eye Irritation

**Hazard Category:** Category 2A

**Hazard Statements:** H319: Causes serious eye irritation

**Precautionary 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 several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313: If eye irritation persists: Get medical advice/attention.  
P405: Store locked up  
P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

**Other Hazards:** May form combustible dust concentrations in air (during processing).



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### Section 3: Composition / Information on Ingredients

Name	Hazard Category	CAS#	Weight %
Niacinamide	Category 2A	98-92-0	~ 100%

**Additional Information:** No additional information available.

### Section 4: First Aid Measures

**General Info:** Niacinamide is an eye irritant, but does not irritate the skin. May cause respiratory irritation upon exposure to dusty conditions. In humans, nausea with or without vomiting was the main effect after acute exposure and was generally seen after doses in excess of 5 grams/day; no effects were persistent. No delayed effects known.

**If ingested:** If swallowed, contact physician or poison control center immediately. Give oxygen if respiration is shallow. Do not give anything by mouth to an unconscious person.

**If inhaled:** Remove to fresh air immediately. If breathing has stopped, give artificial respiration. Keep affected person warm and at rest. Seek medical advice if symptoms persist.

**Eye contact:** Rinse eyes immediately with large amounts of water for at least 15 minutes, while occasionally lifting the eyelids. Seek medical advice if symptoms persist.

**Skin contact:** Wash exposed area with soap and water. The exposed area should be examined by medical personnel if irritation or pain persists after the area has been washed.

### Section 5: Fire Fighting Measures

**General Info:** Flash Point: 182°C. In the event of fire, wear self-contained breathing apparatus. Avoid generation of dusts; fine dispersed in air in sufficient concentrations and in the presence of an ignition source is a potential dust explosion hazard.

#### Extinguishing Method /

**Equipment:** Carbon dioxide (CO<sub>2</sub>), dry chemical, foam, halon, water spray (fog). Firefighters should wear self-contained breathing apparatus (SCBA) and full protective equipment. Do not use direct or heavy water stream to fight fire as it may splash burning liquid.

**Hazardous Decomposition Info:** Cyanide and nitrogen oxides may be released during thermal decomposition.



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### Section 6: Accidental Release Measures

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**Personal precautions, protective**

**equipment and procedures:** Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

**Environmental Precautions:** Prevent release to soil, drains, sewers and waterways.

**Containment Equipment and**

**Cleanup Procedures:** Remove all ignition sources. Ventilate the area of spill or leak. Wear protective equipment during cleanup. Collect material for disposal and flush area with water. Dispose of material in accordance with standard practice for disposal of potentially hazardous materials as required by applicable federal, state or local laws. Avoid dispersal of dusts in the air (i.e., clearing dust surfaces with compressed air). Non sparking tools should be used.

### Section 7: Handling and Storage

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**Safe Handling Precautions:** This material may present a dust explosion hazard in solid form and is sensitive to ignition by electrostatic discharge. Maintain areas below flammable vapor/explosive dust concentrations. Wear appropriate personal protective equipment. Wash hands thoroughly before eating or smoking after handling this material. Do not, eat, drink or smoke in work areas. Prevent contact with incompatible materials. Avoid spills and keep away from drains.

**Recommendations for Storage:** Store in ambient temperature in a dry and well ventilated place. Keep tightly closed when not in use. Keep away from strong acids, strong bases and oxidizing agents. Do not store with poisons. Minimize dust generation and accumulation. Dry powders can build static electricity charges when subjected to friction of transfer and mixing operations. Provide adequate precautions, such as electrical grounding and bonding, or inert atmospheres.

**Specific End Use(s):** Active ingredient in cosmetic and personal care applications.



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### Section 8: Exposure Control / Personal Protection

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#### Control Parameters:

Country	Occupational Exposure Limits
Latvia	1 mg/m <sup>3</sup>
New Zealand	Particulates: 10 mg/m <sup>3</sup> (inhalable); 3 mg/m <sup>3</sup>
United States (OSHA)	Particulates: 15 mg/m <sup>3</sup> (total dust); 5 mg/m <sup>3</sup>
United States (NIOSH), Belgium, Canada (Quebec), Singapore, South Korea	Particulates: 10 mg/m <sup>3</sup>

#### General / Engineering

**Controls:** Provide exhaust ventilation or other engineering controls to keep relevant airborne concentrations below their respective occupational exposure limits. Local exhaust ventilation is usually preferred. Ensure that eyewash stations and safety showers are available near the workstation.

**Eye/face protection:** Safety goggles or glasses and face shield.

**Hand Protection:** Nitrile rubber. > 480 min breakthrough time.

**Body Protection:** Boots and clothing to prevent contact with the substance.

**Respiratory Protection:** Follow OSHA respirator regulations found in 29CFR 1910.134 or European Standard EN 149. Always use a NIOSH or EN 149 standard approved respirator when necessary.

**Thermal Hazards:** None required under normal conditions of use.

**Other:** Observe good chemical hygiene practices, washing exposed areas of the skin several times daily. Launder contaminated clothing before re-use.



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### Section 9: Physical and Chemical Properties

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**Physical State:** Solid  
**Appearance:** Crystalline powder  
**Color:** White  
**Odor:** Characteristic  
**Odor Threshold:** No data available  
**pH:** 6.0 - 7.5 (5% aqueous solution @ 25°C)  
**Melting Point/Range:** 128 - 131°C (262 - 268°F)  
**Freezing Point:** No data available  
**Boiling Point:** 157°C at  $5 \times 10^{-4}$  mm Hg  
**Flash Point (COC):** Not applicable  
**Auto-ignition Temperature:** 480°C  
**Decomposition Temperature:** When heated to decomposition it emits toxic fumes of nitrogen/carbon oxides  
**Minimum Ignition Energy:** 10 - 20 mJ  
**Evaporation Rate:** No data available  
**Vapor Pressure:** < 1 mm Hg  
**Explosive Limits:** Not available  
**Relative Vapor Density:** Not available  
**Molecular Weight:** 122.12  
**Bulk Density:** ~360 Kg/m<sup>3</sup>  
**Specific Gravity:** 1.400 @ 25°C  
**Water Solubility:** Freely soluble in water and in alcohol. Soluble in glycerin.  
**Viscosity (cP):** No data available  
**KoC:** 51.56 (estimated)  
**Explosion Properties:** None  
**Oxidizing Properties:** None  
**Log Kow:** -0.37 (estimated)  
  
**Other information:** No additional information available

### Section 10: Stability and Reactivity

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**Reactivity:** Not classified as dangerously reactive.  
**Chemical Stability:** Stable under normal temperatures and conditions.  
**Possibility of Hazardous**  
**Reactions:** Stable under recommended storage conditions.  
  
**Conditions to Avoid:** Avoid static discharge and generation of dust. Thermal decomposition begins at 150°C.  
  
**Incompatible Materials:** Strong acids and bases, strong oxidizing agents.  
**Hazardous Decomposition**  
**Products:** Burning may produce hazardous combustion gases like cyanides, nitrogen oxides, carbon monoxide, carbon dioxide.



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### Section 11: Toxicological Information

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**General Information:** All data in this section is historical and based on information observed from similar materials.

**Acute Toxicity:** In contact with eyes, it causes serious eye irritation and redness of eyes.

**Chronic Effects:** Affects the kidneys, eyes & liver.

**RTECS#:** QS3675000

LD50/LC50:	Test	Species	Result
	Acute Oral LD50	Rat	3530-3540 mg/kg
	Acute Dermal LD50	Rabbit	>2000 mg/kg

Skin irritation: rabbit, Patch test OECD 404, 1981: Not irritating

Eye irritation: rabbit, OECD Guideline 405: moderately irritating

**Skin Corrosion/Irritating:** skin: non-irritant (guinea pig).

**Serious Eye Damage/Irritation:** eye: strong irritant (rabbit; OECD No. 405), Causes serious eye irritation.

**Respiratory or Skin**

**Sensitization:** Not sensitizing.

Type: Beuhler test

Species: Guinea pig

Method: OECD Guideline- 406 "Skin sensitization", 1981.

**Mutagenicity:** Not a carcinogen.

**Reproductive Toxicity:** No reproductive and developmental toxicity.

**STOT-SE:** No data available.

**STOT-RE:** Species: Rat (Wistar)

Rout of administration: oral feed

Exposure period: 28d

Doses: 215 and 1000 mg/kg

Method: OECD Guideline- 407 "Repeated dose oral toxicity- Rodent"

Year: 1981

GLP: yes

Remark: Effects: decreased body weight and food consumption in males; increased transaminases; spleen weight reduced in males liver, weight increased in females; minimal to mild hypertrophy in liver; reduced extramedullary hematopoiesis, all findings were reversible.

**Aspiration Hazards:** Not likely to be an aspiration hazard.

**Primary Route(s) of Exposure:** Skin contact and absorption, eye contact, and inhalation. Ingestion is not likely to be a primary route of exposure.

**Most Important Symptoms,**

**Acute and Delayed:** Niacinamide is an eye irritant, but does not irritate the skin. May cause respiratory irritation upon exposure to dusty conditions. In humans, nausea with or without vomiting was the main effect after acute exposure and was generally seen after doses in excess of 5 grams/day; no effects were persistent.



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### Section 12: Ecological Information

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**Ecotoxicity:** EC50 (24h) Daphnia magna > 1000 mg/L  
LC50 (96h) Poecilia reticulata (guppy) > 1000 mg/L  
EC50 (72h) Scenedesmus subspicatus > 1000 mg/L

**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).

**Bioaccumulative Potential:** BCF: 3  
Log Kow: -0.37  
Based on the Log Kow and Bio concentration factor value it is expected to have low potential to concentrate in fatty tissue of fish and aquatic organisms.

**Mobility in Soil:** Log Koc: 15 (If released to soil, nicotinamide is expected to have very high mobility based upon estimated KOC value.)  
Henry's Law Constant:  $2.9 \times 10^{-12}$  atm-cu m/mole. (Volatilization from moist soil surfaces is not expected to be an important fate process based upon an estimated Henry's Law constant).  
Log Kow: -0.37 (Very Low bioaccumulation is expected).

**Other Adverse Effects:** None known

### Section 13: Disposal Information

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**Waste Treatment Methods:** Burn in a chemical incinerator equipped with an afterburner or and scrubber. Exert extra care in igniting, as this material is combustible. Dispose of this material in accordance with standard practice for disposal of potentially hazardous materials as required by applicable federal, state or local laws. Note that disposal regulations may also apply to empty containers and equipment reinstates.



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### Section 14: Transport Information

	US DOT	EU Land Transport (ADR/RID/AND)	Sea Transport (IMDG)	Air Transport (ICAO/IATA)
<b>UN Number:</b>	Not regulated	Not regulated	Not regulated	Not regulated
<b>UN Proper Shipping Name:</b>	Not regulated	Not regulated	Not regulated	Not regulated
<b>Transport Hazard Class(es):</b>	Not applicable	Not applicable	Not applicable	Not applicable
<b>Packing Group:</b>	Not applicable	Not applicable	Not applicable	Not applicable
<b>Environmental Hazards:</b>	Not applicable	Not applicable	Not applicable	Not applicable
<b>Special Precautions for User:</b>	None	None	None	None
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:</b>	Not applicable	Not applicable	Not applicable	Not applicable

### Section 15: Regulatory Information

**EU CLP Regulation 1272/2008:** Eye Irrit Cat.2  
Hazard Statements: H319 - Causes serious eye irritation.

**United States TSCA:** Listed. Unique identifier: 18382

**EC/List No.:** 202-713-4

**Canada (DSL/NDSL):** Listed (DSL)

**Korea (KECI):** Listed. Unique identifier: KE-29935

**Australia (AICS):** Listed

**Taiwan (TSCI):** Listed

**New Zealand (NZIoC):** Listed

**Philippines (PICCS):** Listed

**China (IECSC):** Listed. Serial No. 37038

**Japan (ENCS):** Listed. MITI No. 5-736

**California Proposition 65:** This product is not known to the State of California to cause cancer, birth defects or other reproductive harm.





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### Section 16: Other Information

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**Indication of Changes:** Version 1.2 created March 20, 2024

**List of Relevant R-phrases**

(number and full text): Not applicable

**Legal Disclaimer:** Since the user's working conditions are not known to us, the information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations.

The product must not be used for any purposes other than those specified under heading 1 without first obtaining written handling instructions.

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