



Shay and Company
10639 SE Fuller Rd
Milwaukie, OR 97222
Ph: 503-653-1155
info@shayandcompany.com

SAFETY DATA SHEET

Version: 1.0

Revision Date: 12/09/2020

1. Product and Company Identification:

Product: Niacinamide Powder (Personal Care Grade)

Item Code: 90018

Distributor: Shay and Company

2. Hazard Identification:

Hazard Symbol: Serious Eye Damage/Eye Irritation Category 2A; H319

Risk Phrases:

Routes of entry: Eyes, skin, oral, inhalation

Acute Eye Contact: May cause mild reversible eye irritation.

Chronic Eye Contact: Chronic exposure not likely from normal use.

3. Composition/Information on Ingredients:

Ingredient Deck: Niacinamide (Vitamin B3)

Composition: 99.6% Niacinamide, 0.35% Niacin, 0.05% Moisture

CAS no: 98-92-0

Hazardous Ingredient/s: n/a

4. First Aid Measures:

Inhalation: Remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if you feel unwell. Monitor for respiratory distress. Apply artificial respiration if not breathing. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one way valve or other proper respiratory medical device. Toxic vapors may be released on thermal decomposition including nitrogen oxides, carbon monoxide and cyanide.

Eyes: 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.

Skin: Wash with soap and water, seek medical attention if irritation develops or persists.

Ingestion: If swallowed call a poison center if you feel unwell. Rinse mouth. Do NOT induce vomiting by use of emetics. Seek medical attention.



Shay and Company
10639 SE Fuller Rd
Milwaukie, OR 97222
Ph: 503-653-1155
info@shayandcompany.com

5. Fire Fighting Measures:

Suitable Extinguishers: Appropriate extinguishing media: Dry chemical powder, carbon dioxide, and alcohol resistant foam. Water may be in effective. Water sprays can be effective in cooling down the fire-exposed containers and knocking down the vapors. Water jets may be used to flush spills away and dilute the same to nonflammable mixtures fog or alcohol-resistant foam by directing streams to the periphery of the fires to prevent spread. Do not permit water to get inside containers.

Extinguishers Not to be Used: none

Hazardous Decomposition Products: Toxic vapors may be released on thermal decomposition including nitrogen oxides, carbon monoxide and cyanide. High vapor concentration may result in an explosion hazard. Vapors are heavier than air. May travel considerable distance from source and flashback.

Special Fire Fighting Procedures: Evacuate the area and fight fires from a safe distance. If tank, rail car or tank truck is involved in a fire, ISOLATE for 800 meters (1/2 mile) in all directions; also, consider initial evacuation for 800 meters (1/2 mile) in all directions or as per locally valid procedures. Fire fighters must wear Self Contained Breathing Apparatus (SCBA) and full protective clothing. The chemical is harmful in contact with skin. Report any run-off of fire waters contaminated with this chemical as per local and federal procedures applicable.

6. Accidental Release Measures:

Personal Precautions: Do not breathe vapor or mist. Wear protective gloves/clothing and eye/face protection.

Environmental Precautions: none

Clean Up Procedure: Minor Spills: Clean up all spills immediately following relevant Standard

Operating Procedures: Avoid breathing vapors and contact with skin and eyes. Shut off leak source if possible. Shut off all possible sources of ignition. Wear protective clothing, boots, impervious gloves and safety glasses. Wipe up. Decontaminate all equipment. Use non sparking tools.

Major Spill: Alert Emergency Responders and tell them location and nature of hazard. Shut off all possible sources of ignition and increase ventilation. Wear protective clothing, full boots, impervious gloves, safety glasses and Self Contained Breathing Apparatus (SCBA), as may be deemed appropriate. Clear area of personnel and move upwind.



Shay and Company
10639 SE Fuller Rd
Milwaukie, OR 97222
Ph: 503-653-1155
info@shayandcompany.com

Stop leaks if possible. Prevent, by any means available, spillage from entering drains or water and watercourses. Collect recoverable product into labeled containers for recycling, recovery or disposal. Contain spill with sand, earth or vermiculite. Spread area with lime or absorbent material, and leave for at least 1 hour before washing. Clean up all tools and equipment. Inform authorities in event of contamination of any public sewers, drains or water bodies.

7. Handling and Storage:

Handling Precautions: Handle in accordance with good industrial hygiene and safety practice.

Storage Requirements: Keep in a dry, sealed container

Temp. Max: n/a

Temp. Min: n/a

8. Exposure Controls/Personal Protection:

Occupational Exposure Limit: This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Respiratory Protection: Use with adequate ventilation

Eye Protection: Wear safety glasses

Skin Protection: Protective clothing is not necessary

9. Physical and Chemical Properties:

Description: White, free-flowing powder; no aroma

Melting Point: 128-131°C/262.4-267.8°F

Flash Point: 182°C/359.6°F

Auto-ignition temperature: 480°C/896°F

Solubility in Water (by weight): Freely soluble in water and in alcohol

pH: 5.35-5.5 (5% AQ SOL. AT 25°C)

10. Stability and Reactivity:

Condition to Avoid: Dust generation

Materials to Avoid: Strong acids and bases, strong oxidizing agents.

Hazardous Decomposition Products: Burning may produce hazardous combustion gases like Nitrogen oxides, carbon monoxide, carbon dioxide.

Stabilization Techniques: none; product is stable

11. Toxicological Information:



Shay and Company
10639 SE Fuller Rd
Milwaukie, OR 97222
Ph: 503-653-1155
info@shayandcompany.com

Routes of Entry:

Oral: None

Derma: Non-toxic

Inhalation: It causes irritation to the mucous membranes and upper respiratory tract

Skin: Non-toxic

Eye: Causes serious eye irritation

12. Ecological Information:

Ecotoxicity: Fish toxicity: *P.reticulata* LC50 : 4200 mg/l/96h. *Daphnia magna* EC50: >1000 mg/L/24 hr. Algal toxicity: *Desmodesmus subspicatus* NOEC: 560 mg/l/72h.

Mobility: Log Koc = 15 (If released to soil, nicotinamide is expected to have very high mobility based upon estimated KOC value.) Henry's Law Constant = 2.9×10^{-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).

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).

BioAccumulation: 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.

13. Disposal Considerations:

Handling Precautions: None

Method of Disposal: Burn in a chemical incinerator equipped with an afterburner and scrubber. 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 rinsates.

Contaminated Packaging: Dispose of accordance with local regulations.

14. Transportation Information:



Shay and Company
10639 SE Fuller Rd
Milwaukie, OR 97222
Ph: 503-653-1155
info@shayandcompany.com

Non-Hazardous Cargo. No special Transporting facility required.

15. Regulatory Information:

US State Regulations

TSCA STATUS: The components of this product are listed on the TSCA Inventory

SARA TITLE III SECTION 302/304 EXTREMELY HAZARDOUS SUBSTANCE:

No chemicals in this material are subject to the reporting requirements.

SARA TITLE III SECTION 311/312 HAZARD CATEGORIZATION:

Acute N/A

Chronic N/A

Fire N/A

Pressure N/A

Reactive N/A

SARA TITLE III SECTION 313 SUPPLIER INFORMATION:

No chemicals in this material are subject to the reporting requirements.

CERCLA SECTION 102(a) HAZARDOUS SUBSTANCE:

No chemicals in this material are subject to the reporting requirements.

California Proposition 65

This product does not contain any Proposition 65 chemicals

16. Other Information:

N/A

The information provided above is intended only as a guide to the appropriate precautionary handling of the item. It is the responsibility of the customer and user to ensure it has in place provisions for the safe and proper handling of the material. Shay and Company believes the above information to be accurate based on the information available, however, it is the responsibility of the customer and user of the material to perform its own investigation and due diligence prior to use



Shay and Company
10639 SE Fuller Rd
Milwaukie, OR 97222
Ph: 503-653-1155
info@shayandcompany.com

to verify that the product purchased from Shay and Company meets their quality requirements and is appropriate for the use to which the product is to be put.