

Vitamin B3 (Niacinamide) PC

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


Revision Date: 02/28/2020
Supersedes: 01/03/2020

1 PRODUCT & COMPANY IDENTIFICATION

Product Name:	Vitamin B3 (Niacinamide) PC	Distributor:	XI'AN AOGU BIOTECH CO.,LTD
Synonyms:	Nicotinic acid amine Vitamin PP	Address:	Block B3,Jinye No.32,East Section of Jinye RoadYanta District,Xi'an Shaanxi 710065 China
INCI Name:	Niacinamide	Phone / Fax:	0086-29-89121514
CAS Number:	98-92-0	Web:	www.aogubio.com
Formula:	C ₆ H ₆ N ₂ O	Emergency Telephone Number:	0086-18091843361 (Chemtrec)
Product Form:	Powder		
Product Use:	Cosmetic use		

2 HAZARDS IDENTIFICATION

GHS Classification: Eye irritation, Category 2

GHS Hazard Pictograms: 

Signal Word: WARNING

GHS Hazard Statements: H319: Causes serious eye irritation.

GHS Precautionary Statements: P264: Wash skin thoroughly after handling.
P280: Wear eye protection/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.

Potential Health Hazards: Eyes: Causes eye irritation.
Inhalation: May cause respiratory irritation.
Skin: May cause skin irritation in susceptible persons.
Ingestion: May cause irritation.

NFPA Ratings (704):

Health	1	Slight
Flammability	2	Moderate
Reactivity	0	Minimal
Specific Hazard	N/A	

3 COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>Molecular Weight</u>
Nicotinamide	98-92-0	≥90 - ≤100%	Not Available

4 FIRST AID MEASURES

Eyes: In case of eye contact, immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.

Inhalation: If inhaled, remove from area to fresh air. Get medical attention after significant exposure.

Skin: Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. If symptoms persist, consult a physician.

Ingestion: Do Not Induce Vomiting! Never give anything by mouth to an unconscious person. Clean mouth with water and drink afterwards plenty of water. Do not give milk or alcoholic beverages. If symptoms develop, get medical attention if necessary.

5 FIRE-FIGHTING MEASURES

Suitable (and unsuitable) extinguishing media: May be combustible at high temperature. Use appropriate media (foam, carbon dioxide, dry chemical) for adjacent fire. Do not use water.

Special protective equipment & precautions for firefighters: Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

Flash Points: No data available

Specific hazards arising from the chemical: None known. See also Stability and Reactivity section.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment & emergency procedures: Ensure adequate ventilation. Avoid breathing dust. Avoid dust formation. Do not try to clean up the leak without proper protective equipment. See section 8 for recommendations on the use of personal protective equipment.

Environmental precautions: Avoid liquid release into sewers/public water. Notify environmental authorities in case of large leaks.

Methods and material for containment and cleaning up: Sweep up and place in suitable, closed containers for disposal. Clean surfaces thoroughly with water to remove residual contamination. Dispose of all waste and cleanup materials in accordance with regulations.

7 HANDLING & STORAGE

Precautions for safe handling: See section 8 for recommendations on the use of personal protective equipment. Keep container closed when not in use.

Conditions for safe storage, incl. any incompatibilities: 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	Not available		

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:

Eyes: Safety glasses with side shields should be worn.

Inhalation: In the case of dust or aerosol formation, use respirator with an approved filter.
 Choose body protection according to the amount and concentration of the dangerous substance at the workplace. Consider the hazard characteristics of this product and any special workplace conditions when selecting the appropriate type of protective gloves (for example: nitrile rubber).

Body:

Other: Do not take internally. Do not eat or drink when handling. Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White crystalline powder	Vapor Pressure @ 25 °C:	0.00045 hPa
Odor:	Odorless	Vapor Density:	Not applicable

Odor Threshold:	No data available	Evaporation Rate:	No data available
Color:	White	Flammability:	No data available Not highly flammable; may form combustible dust concentrations in air
Molecular Weight:	122.13 g/mol	Upper/lower Explosive Limit:	No data available
pH (as aqueous solution):	6.0-7.5	Flash Point:	182 °C
Boiling Point/Range:	224 °C (20 hPa)	Specific Gravity:	No data available
Melting Point/Range:	128-131 °C	Solubility in Water @ 25 °C:	500 g/L
Density @ 25 °C:	1.4 g/cm ³	Auto-Ignition Temperature:	No self-ignition observed at temps. below melting point
Partition Coefficient: n-octanol/water @ 20 °C:	log Pow -0.38	Decomposition Temperature:	Not relevant
Viscosity:	No data available	Explosive Properties:	Not explosive
Oxidizing Properties:	No data available	Solubility in Ethanol:	660 g/L
Solubility in Glycerol:	Soluble	Solubility in Diethylether:	ca. 10 g/L
Particle Size:	≤10% <0.050 mm	Dissociation Content:	pKa 3.35
Combustibility Index for Deposited Dust:	2 (23 °C) 2 (100 °C)	Minimum Ignition Temp. of Dust/Air Mix:	480 °C

10 STABILITY AND REACTIVITY

Reactivity:	No hazards to be specially mentioned.
Chemical Stability:	Stable under recommended storage conditions.
Hazardous Polymerization:	Dust may form explosive mixture in air.
Conditions to Avoid:	Heat.
Incompatible Materials:	Acids & bases. Strong oxidizing agents.
Hazardous Decomposition Products:	Carbon oxides, nitrogen oxides (NOx).

11 TOXICOLOGICAL INFORMATION

Acute Toxicity:	Not known
Skin:	LD50: >2000 mg/kg
Eyes:	Moderate eye irritation. Can be irritating to the eyes.
Respiratory:	May cause irritation of respiratory tract.
Ingestion:	LD50: >2500 mg/kg LD50: 2500 mg/kg
Carcinogenicity:	Did not show carcinogenic effects.
Teratogenicity:	Not teratogenic.
Germ Cell Mutagenicity:	Not mutagenic. Not genotoxic.
Embryotoxicity:	No data available
Specific Target Organ Toxicity:	This substance or mixture is not classified as a specific target organ toxicant, single exposure.
Reproductive Toxicity:	No indication for adverse effects on fertility known.
Respiratory/Skin Sensitization:	No data available
Corrosivity:	No data available
Sensitization:	Did not cause sensitization.
Irritation:	No data available
Repeated Dose Toxicity:	NOAEL: 215 mg/kg bw/d (28d)

12 ECOLOGICAL INFORMATION

Ecotoxicity	
Aquatic Vertebrate:	LC50: >1000 mg/L (96h) (Poecilia reticulata)

Aquatic Invertebrate:	EC50: >1000 mg/L (24h) (<i>Daphnia magna</i>)
Terrestrial:	IC50: >1000 mg/L (72h) (<i>Desmodesmus subspicatus</i>) EC10: 4235 mg/L (18h) (<i>Pseudomonas putida</i>)
Persistence and Degradability:	Readily biodegradable. 95% (28d)
Bioaccumulative Potential:	No data available
Mobility in Soil:	No data available
PBT and vPvB Assessment:	This substance does not fulfill the PBT criteria. This substance does not fulfill the vPvB criteria.
Other Adverse Effects:	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 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): No data available

TDG (Transportation of Dangerous Goods, Canada): No data available

IMDG (International Maritime Dangerous Goods): No data available

IATA (International Air Transport Association): No data available

ICAO (International Civil Aviation Organization): No data available

15 REGULATORY INFORMATION

TSCA Inventory Status: No data available

DSCL (EEC): No data available

WHMIS (Canada): No data available

EU EINECS/ELINCS/NLP: No data available

China IECSC: No data available

China IECIC (06.30.2014): No data available

Australia AICS: No data available

New Zealand NZIoC: No data available

16 OTHER INFORMATION

Revision Date: 02/28/2020

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.