



江西兄弟医药有限公司

JIANGXI BROTHER PHARMACEUTICAL Co., Ltd.

Jishan industrial park, Pengze, Jiujiang City, Jiangxi Province, China www.brother.com.cn

SAFETY DATA SHEET

Niacinamide(Nicotinamide)

1. Identification of the substance/preparation and of the company/undertaking

Identification of the substance or preparation:

Trade name:Niacinamide (Nicotinamide)

REACH registration NO.: Not applicable

Use of substance/preparation:

Used as feed and food additive.

Company/undertaking identification:

Manufacture: Jiangxi Brother Pharmaceutical CO.,Ltd.

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2. Hazards identification

Hazards identification :



Xi Irritant

Information pertaining to particular dangers for man and environment :

R 36 irritating to eyes

GHS label elements:



Warning

H319 – Causes serious eye irritation

H315 – Causes skin irritation

H317 – May cause an allergic skin reaction

Prevention:

P264 Wash thoroughly after handling.



P280 Wear protective gloves/protective clothing/eye protection/face protection

Response:

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

3. Composition/information on ingredients

Chemical characterization

Pure Compound Mixture

Chemical name : 3-Pyridinecarboxamide

Formula : C₆H₆N₂O

Molecular Weight : 122.12 g/mol

CAS No.: 98-92-0

EC No.: 202-713-4

Hazardous ingredients according to Regulation (EC) No 1272/2008

Component	Classification	Concentration
Nicotinamide	Skin Irrit. 2; Eye Irrit. 2; STOT	≥99.0%
	SE 3; H315, H319, H335	

Hazardous ingredients according to Directive 1999/45/EC

Component	Classification	Concentration
Nicotinamide	Xi, R36/37/38	≥99.0%

For the full text of the H-Statements and R-Phrases mentioned in this Section, see Section 16

4. First aid measures

General information:

In all case of doubt, or symptoms persist, seek medical attention.

Inhalation:

Rapidly from the scene to fresh air, with sufficient cold water after washing, if there is any discomfort, immediately seek medical help.

Skin contact:

Thoroughly washed with soap and water contamination of the skin, seek medical treatment if irritation.

Eye contact:

Rinse with plenty of cold water, get medical attention for proper care.

Ingestion:



Drink plenty of warm water, seek medical treatment, do not induce vomiting without medical advice.

5. Fire-fighting measures

In case of fire, product may form CO, CO₂, NO_x. Extinguish preferably with water spray, carbon dioxide, dry chemical, foam. All persons fighting a fire in confined spaces must wear adequate protective equipment including self-contained breathing apparatus.

6. Accidental release measures

Wear individual protective equipment according to the circumstances. Collect spilled product, avoid dusts formation. Do not allow product to enter drains, surface waters. Transfer in suitable containers for disposal in compliance with law.

7. Handling and storage

Handling:

When handling apply local exhaust ventilation. Avoid dust formation. Wear protective equipment (see sect. 8) Avoid skin contact and eye contact. Wash thoroughly with cold water after handling.

Storage:

Keep containers tightly closed and away from heat. Store in cool, dry and well ventilated place. Avoid heat and light exposure, store separate from basic substances. Standard carton boxes with inner polyethylene bag.

Specific use(s):

Not applicable.

8. Exposure control/Personal control

Exposure limit value:

Not applicable.

Exposure control - General protective advice:

Avoid dust formation.

Exposure control - Personal protective equipment:

Respiratory protection: particulate dust respirator.

Hand protection: industrial quality gloves (PVC, rubber).

Eye protection: safety goggles.

Exposure control - Environmental exposure controls:

Not applicable.



9. Physical and chemical properties

General information:

Appearance: crystalline powder or granular powder

Color: white

Odor: odorless.

Important health, safety and environmental information:

pH (sol 10 % in water): 5.5 --7.5

Melting point/range(°C): 128-131°C

Boiling point/range(°C): 224°C

Flash point(°C): 182°C

Ignition temperature(°C): not applicable

Vapor pressure(20°C): not applicable

Oxidizing properties: not applicable

Density(g/cm³) (20°C): 0.5~0.7g/cm³

Refraction index: not applicable

Bulk density: not applicable

Water solubility at 20°C: 691g/L

n-Octanol/water: not applicable

Molecular weight: 122.13

Explosion limits: Lower: not applicable.

Upper: not applicable.

Other information:

Not applicable.

10. Stability and reactivity:

Conditions to avoid:

The product is stable under the suggested handling and storage conditions (see sect. 7) not causing dangerous reactions.

Materials to avoid:

Strong oxidising agents, strong acids, strong alkalis.

Hazardous decomposition products:

Fumes containing CO, CO₂, NO_x, when the product burns.

11. Toxicological information:

Toxicokinetics, metabolism and distribution:



Not applicable.

Test substance: 3-Pyridinecarboxamide

Acute toxicity:

LD50(Oral, rat) 3530.0mg/kg

Sensitization:

Not applicable.

Repeated dose toxicity(sub-acute to chronic):

Not applicable.

CMR effect (Carcinogenicity, mutagenicity and toxicity for reproduction)

This product is not listed as a carcinogen or a potential carcinogen in IARC or OSHA. There is no evidence of mutagenic or teratogenic effects.

12. Ecological information:

Ecological information Ecotoxicity:

Not applicable.

Mobility:

Not applicable.

Persistence and degradability:

Not applicable.

Bioaccumulative potential:

Not applicable.

Result of PBT assessment:

Not applicable.

Other information:

Water hazard class 1 (Self-assessment): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

Do not allow material to be released to the environment without proper governmental

13. Disposal consideration

Disposal methods of the substance/preparation:

Whatever cannot be saved for recovery or recycling should be managed in an appropriate waste disposal facility. Processing, use or contamination of this product may change the waste



management options. State and local disposal regulations may differ from federal disposal regulations.

Disposal methods of the contaminated packaging:

Dispose of contaminated packaging and unused contents in accordance with federal, state and local requirements.

14. Transport information

Land transport ADR/RID and GGVS/GGVE(cross-border/domestic)

ADR/RID- GGVS/E class: None

Maritime transport IMDG/GGVSea

IMDG/GGVSea Class: None

Marine pollutant: None

Air transport ICAO-TI and IATA-DGR

ICAO-T/ IATA Class: None

Transport/Additional information

Not dangerous according to the above specifications.

15. Regulation information

Designation according to EC guidelines

Code letter and hazard designation of product :



Xi Irritant

Risk phrase:

36 irritating to eyes

Safety phrase:

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

National regulation of use

Information about limitation of use:

Employment restrictions concerning young persons must be observed.

For use only by technically qualified individuals.

Water hazard class:

Water hazard class 1 (Self-assessment): slightly hazardous for water.



16. Other information

Full text of H-Statements referred to under sections 2 and 3.

Eye Irrit. Eye irritation

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

Skin Irrit. Skin irritation

STOT SE Specific target organ toxicity - single exposure

Full text of R-phrases referred to under sections 2 and 3

Xi Irritant

R36/37/38 Irritating to eyes, respiratory system and skin.

Further information

Employers should use this information only as a supplement to other information gathered from them, and should make independent judgment of suitability of this information to ensure use and protect the health and safety of employees. This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with a any other product or process, is the responsibility of the user.

