Safety Data Sheet

1. Identification

Product Name:	Niacin (Vitamin B3) — Bulk Food Grade
Synonyms:	Nicotinic acid, Vitamin B3, Pyridine-3-carboxylic acid
Recommended Use:	Vitamin ingredient for foods, beverages and supplements.
Restrictions on Use:	None known for food use within regulatory limits.
Supplier:	LiquidShop (Liquid Solution), 613 Rte du Président-Kennedy, porte 6, Lévis, QC G6C 1J6, Canada
Contact:	info@liquidsolution.ca · liquidshop.ca
Emergency Telephone:	Centre antipoison du Québec: 1-800-463-5060 (24 h)

2. Hazard Identification

Classification:	WHMIS 2015 (HPR) / GHS: Serious eye damage/eye irritation — Category 2A.
Pictogram / Signal Word:	GHS07 (exclamation mark) — Warning
Hazard Statement:	H319: Causes serious eye irritation.
Precautionary Statements:	P264: Wash hands thoroughly after handling. P280: Wear eye 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.
Other Hazards:	Fine dust dispersed in air may form combustible dust concentrations.

3. Composition / Information on Ingredients

Substance:	Nicotinic acid (Niacin)
CAS No.:	59-67-6
EC No.:	200-441-0
Molecular Formula / Weight:	C6H5NO2 / 123.11 g/mol
Concentration:	98.0 – 102.0 % (dried basis)

4. First-Aid Measures

Inhalation:	Move to fresh air. Seek medical attention if symptoms persist.
Skin Contact:	Wash with soap and water.
Eye Contact:	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.
Ingestion:	Rinse mouth with water. Seek medical attention if large amounts are swallowed and symptoms occur.
Symptoms / Effects:	Causes serious eye irritation. Dust may irritate the respiratory tract.

5. Fire-Fighting Measures

Extinguishing Media:	Water spray, foam, dry chemical or CO2.
Specific Hazards:	Not flammable. Fine dust may form combustible mixtures with air. Thermal decomposition may release oxides of carbon and nitrogen.
Protective Equipment:	Self-contained breathing apparatus and full protective clothing.

6. Accidental Release Measures

Personal Precautions:	Avoid dust formation and contact with eyes. Ensure adequate ventilation.
Environmental Precautions:	Avoid release of large quantities to drains and surface water.
Clean-up:	Sweep or vacuum up and place in a suitable closed container for disposal. Avoid generating dust.

7. Handling and Storage

Handling:	Handle in accordance with good manufacturing and hygiene practices. Avoid dust formation. Avoid contact with eyes. Wash hands thoroughly after handling.
Storage:	Store in a cool, dry place in tightly closed containers, protected from light and moisture. Keep away from strong oxidizing agents.

8. Exposure Controls / Personal Protection

Exposure Limits:	No occupational exposure limits established. Nuisance dust limits apply.
Engineering Controls:	General or local exhaust ventilation to control dust.
Eye Protection:	Safety glasses with side shields or chemical goggles.
Skin Protection:	Food-grade gloves and clean work clothing.
Respiratory Protection:	Dust mask (N95) if dust is generated.

9. Physical and Chemical Properties

Appearance:	White crystals or crystalline powder
Odour:	Odourless or slight odour
Melting Point:	Approx. 236 °C
Solubility:	Sparingly soluble in water; freely soluble in boiling water and alkali solutions
Flammability:	Not flammable

10. Stability and Reactivity

Chemical Stability:	Stable under recommended storage conditions.
Conditions to Avoid:	Excessive heat, moisture, dust generation.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition:	Oxides of carbon and nitrogen.

11. Toxicological Information

Acute Oral Toxicity:	Low acute toxicity.
Irritation:	Causes serious eye irritation.
Sensitization / CMR:	Not a sensitizer. Not classified as carcinogenic, mutagenic or toxic to reproduction.
Other:	Ingestion of large doses may cause flushing of the skin.

12. Ecological Information

Ecotoxicity:	No significant ecotoxicity expected.
Persistence:	Expected to be biodegradable.
Bioaccumulation:	Not expected to bioaccumulate.

13. Disposal Considerations

Disposal:	Dispose of in accordance with local, provincial and federal regulations. Empty packaging may be recycled.

14. Transport Information

TDG / DOT / IATA / IMDG:	Not regulated as dangerous goods.

15. Regulatory Information

Canada:	Hazardous product under WHMIS 2015 (Eye Irritation, Category 2A). Vitamin permitted for food fortification.
Quality Standard:	Meets the USP monograph for Niacin.

16. Other Information

Date of Issue:	2026-10-08
Revision:	00

The information in this Safety Data Sheet is believed to be accurate as of the date of issue. It is provided for safe handling, use and disposal and does not constitute a warranty or quality specification.