



SAFETY DATA SHEET

1. CHEMICAL IDENTIFICATION AND COMPANY INFORMATION

PRODUCT NAME: Nicotinic Acid
PRODUCT NUMBER: N765
COMPANY INFO: *PhytoTechnology Laboratories*®
PO Box 12205, Shawnee, KS 66282-2205
Phone: 1-888-749-8682 or 1-913-341-5343; Fax: 1-888-449-8682 or 1-913-341-5442
www.phytotechlab.com

EMERGENCY PHONE NUMBER 1-800-535-5053 - US Only
(INFOTRAC): 1-352-323-3500 - International

RECOMMENDED USE: For Research Use Only

RESTRICTIONS ON USE: Products sold by *PhytoTechnology Laboratories*® are intended for research and laboratory use only. Products are not to be used as human or animal therapeutics, cosmetics, agricultural or pesticidal products, food additives, or as household chemicals.

2. HAZARDS IDENTIFICATION

Classification of the substance or mixture:

GHS Classification:

H319 - Eye irritation (Category 2A)
H402 - Acute aquatic toxicity (Category 3)

GHS Label elements, including hazard and precautionary statements:

Pictogram:



Signal Word: **Warning**

Hazard Statements:

H319 – Causes serious eye irritation.
H402 – Harmful to aquatic life.

Precautionary Statements:

P264 – Wash skin thoroughly after handling.
P273 – Avoid release to the environment.
P280 – Wear protective gloves/protective clothing/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.
P501 – Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC) or not covered by GHS: - none

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms: Niacin; Pyridine-3-carboxylic Acid
CAS No: 59-67-6
Formula: C₆H₅NO₂
Molecular Weight: 123.12 g/mol
EC No.: 200-441-0

| Ingredient | CAS Number | Percent | Hazardous |
|----------------|------------|---------|-------------------------------------------------|
| Nicotinic Acid | 59-67-6 | >99 % | No exposure limits established by OSHA or ACGIH |

4. FIRST AID MEASURES

General Advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

| Route of Entry | Symptoms | First Aid Procedures |
|----------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ingestion | May cause irritation if swallowed | If swallowed, wash out mouth with water. Never give anything by mouth to an unconscious person. Get medical attention. |
| Inhalation | May cause irritation to respiratory tract | Safely remove victim to fresh air. If not breathing, institute cardiopulmonary resuscitation (CPR). If breathing is difficult, ensure clear airway and give oxygen. Get medical attention. |
| Eye Contact | Direct contact may cause irritation. May cause redness, tearing, or blurred vision. | Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists. |
| Skin Contact | Irritating. May cause reddening, itching or inflammation. | Wash area thoroughly with soap and water. Remove and wash contaminated clothing. Get medical attention if irritation persists. |

Most Important Symptoms or Effects, Both Acute and Delayed:

See section 2 and/or section 11

Recommendation for Immediate Medical Care and Special Treatment Needed:

No data available

5. FIRE FIGHTING MEASURES

| | |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable Extinguishing Media: | Water spray, carbon dioxide, dry chemical powder, or appropriate foam. Use extinguishing media suitable for surrounding fire. |
| Special Protective Equipment and Precaution for Firefighters: | In the event of a fire, wear full protective clothing and NIOSH approved self-contained breathing apparatus. Evacuate the area and fight fire from a safe distance. |
| Hazardous Combustion Products: | May emit toxic fumes under fire conditions. |

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Use personal protection recommended in Section 8. Avoid dust formation. Avoid breathing dust, vapors, mist or gas. Ensure adequate ventilation, especially in confined areas. Evacuate personnel to safe areas.

| | |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Environmental Precautions: | Prevent further leakage or spillage if safe to do so. Do not let product enter drains. |
| Method of Containment and Cleanup: | Wear suitable protective clothing. Avoid dust formation. Carefully sweep up and remove. Place material in a dry container and cover. Remove from the area. Flush spill area with water. Do not let product enter drains. |

7. HANDLING AND STORAGE

| | |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precaution for Safe Handling: | Avoid contact with skin and eyes. Avoid dust formation and aerosols. Avoid incompatible substances. Provide adequate ventilation at places where dust is formed. Wash thoroughly after use. |
| Conditions for Safe Storage: | Keep in a tightly closed container and store in a cool, dry, and well-ventilated area. Product is hygroscopic. |
| Incompatibilities: | Strong oxidizing agents, strong acids, strong bases |
| Recommended Storage Temperature: | Room Temperature |

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

OSHA's Permissible Exposure Limits (PELs): None

Threshold Limit Values (TLVs): None

Engineering Controls: Handle in accordance to general industrial hygiene and safety practice.

Personal Protective Equipment (PPE):

Eye/Face Protection: Chemical safety glasses or goggles. Have eye-washing facilities readily available where eye contact can occur.

Skin Protection: Protective gloves

Body Protection: Lab coat

Respiratory Protection: Appropriate respirator. For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: White to off-white powder

pH (1.00 g/L): Under Development

Solubility: Soluble in water

Melting Range: 235 – 237°C

Vapor Density: No data available

Vapor Pressure: No data available

Specific Gravity: 1.473

Odor: Odorless

Odor Threshold: No data available

Viscosity: No data available

Relative Density: 1.467 g/cm³ at 20°C (68°F)

Evaporation Rate: No data available

Initial Boiling Point and Boiling Range: No data available

Flammability (solid, gas): No data available

Partition coefficient:
n-octanol/water): Log Pow: -0.590 at 25°C (77°F)

Auto-ignition Temperature: No data available

Decomposition Temperature: No data available

Flash Point (Closed Cup): 193°C (379°F)

Flammable Limits: Upper (%) – No data available Lower (%) – No data available

10. STABILITY AND REACTIVITY

Reactivity: No data available

Chemical Stability: Stable under normal conditions of use

Possibility of Hazard Reactions: No data available

Conditions to Avoid: No data available

Incompatibles Materials: Strong oxidizing agents, strong acids, strong bases

Hazardous Decomposition Products: Carbon dioxide, carbon monoxide, nitrogen oxides

11. TOXICOLOGICAL INFORMATION

| | | |
|---------------------------------|---------------------------------------------|-------------------|
| Toxicity: | LD ₅₀ (Oral-Rat)(mg/Kg) | 6450 |
| | LD ₅₀ (IP-Rat)(mg/Kg) | 730 |
| | LD ₅₀ (Dermal-Rat)(mg/Kg) | >2000 |
| Carcinogenicity: | NTP: | No |
| | IARC: | No |
| | OSHA Reg: | No |
| Reproductive Toxicity: | No data available | |
| Specific Target Organ Toxicity: | Single Exposure: | No data available |
| | Repeated Exposure: | No data available |
| Target Organs: | Liver, skin | |
| Routes of Entry: | Ingestion, inhalation, skin and eye contact | |
| NIOSH/RTECS NO: | QT0525000 | |

The toxicological properties of this product have not been thoroughly investigated

12. ECOLOGICAL INFORMATION

| | |
|--------------------------------|--------------------------------------------------------------------------------|
| Ecotoxicity: | Toxicity to fish – mortality LC50 – rainbow trout – 520 mg/L – 96 hrs |
| | Toxicity to daphnia – immobilization EC50 – water flea – 77 mg/L – 48 hrs |
| | Toxicity to algae – growth inhibition IC50 – Green algae – 105.6 mg/L – 72 hrs |
| Persistence and Degradability: | Readily biodegradable |
| Bioaccumulative Potential: | No data available |
| Mobility in Soil: | No data available |
| Other Adverse Effects: | Harmful to aquatic life. |

13. DISPOSAL CONSIDERATION

| | |
|---------------------|------------------------------------------------------------------------------------------------|
| Disposal Procedure: | Dispose in accordance with all applicable federal, state, and local environmental regulations. |
|---------------------|------------------------------------------------------------------------------------------------|

14. TRANSPORT INFORMATION

Domestic (D.O.T.): Proper Shipping Name: CHEMICALS, N.O.S. (NON-REGULATED)

Hazard Class: N/A

Reportable Quantity: N/A

UN/NA: N/A

Labels: N/A

International:

IMDG: Proper Shipping Name: CHEMICALS, N.O.S. (NON-REGULATED)

Hazard Class: N/A

UN/NA: N/A

Labels: N/A

IATA: Proper Shipping Name: CHEMICALS, N.O.S. (NON-REGULATED)

Hazard Class: N/A

UN/NA: N/A

Labels: N/A

15. REGULATORY INFORMATION

TSCA: Yes

SARA TITLE III:

Section 302 (EHS) Ingredients: No

Section 313 Ingredients: No

Section 304 (EHS/CERCLA) Ingredients: No

Section 311/312 Hazard: Acute Health Hazard

Massachusetts Right to Know Components: This product is not on the Massachusetts Substance List (MSL).

Pennsylvania Right to Know Components: This product is not listed on the Pennsylvania Code's Hazardous Substance List (Chapter 323).

New Jersey Right to Know Components: This product is not listed amongst the New Jersey Right to Know Hazardous Substance Fact Sheets

California Prop. 65 Components: This product is not known to the State of California to cause cancer or reproductive toxicity.

16. OTHER INFORMATION

| | | | | |
|--------------|----------------------|---------------------|------------------------|----------------------------|
| HMIS Rating: | Health Hazard | Flammability | Physical Hazard | Personal Protection |
| | 2 | 1 | 0 | C |
| NFPA Rating: | Health Hazard | Fire Hazard | Instability | Special Hazard |
| | 2 | 1 | 0 | |

PhytoTechnology Laboratories® provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. The above information is intended to be used only as a guide to the appropriate precautionary handling of this material by a properly trained person. *PhytoTechnology Laboratories*® shall not be held liable for any damage resulting from handling or from contact with the above product. This product is intended for **LABORATORY USE ONLY**. Our products may **NOT BE USED** as drugs, cosmetics, agricultural or pesticidal products, food additives or as household chemicals.

Revision Date: 24 September 2018