



SAFETY DATA SHEET

1 – PRODUCT AND COMPANY IDENTIFICATION

Product Name: **NICOTINIC ACID**

Product Code: N-3320Z

Product use: For laboratory or industrial use only

Supplier: Cochimbec Inc.
8561 chemin Dalton
Town of Mount-Royal, Quebec
H4T 1V5 CANADA

Telephone: 514-990-1935
Emergency Telephone: (CANUTEC): 613-996-6666

2 – HAZARDS IDENTIFICATION

GHS Classification: Eye irritation (Category 2A)
Acute aquatic toxicity Short term (Category 3)



Signal word:		Warning
Hazard statement:	H319	Causes serious eye irritation.
	H402	Harmful to aquatic life.
Precautionary statement:	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 advise/attention.
	P501	Dispose of contents / container to an approved waste disposal plant.

3 – COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms: Pyridine-3-carboxylic acid, Vitamin B3, Vitamin PP, Bionic

INGREDIENT	Concentration	CAS No.	EC No.	Index No.
Nicotinic acid	100 %	59-67-6	200-441-0	- -

4 – FIRST AID MEASURES

Inhalation:	Remove victim to fresh air.
Skin contact:	Rinse with water. Take off contaminated clothing and wash before reuse.
Eye contact:	Rinse immediately and cautiously with plenty of water. Remove contact lenses if present and easy to do, continue rinsing. Call an ophthalmologist.
Ingestion:	Have victim immediately drink water. Consult a physician.
Most important symptoms / effects	The most important symptoms/effects are presented in Section 2 and/or 11.

5 – FIRE-FIGHTING MEASURES

Extinguishing media:	Water, foam, dry chemical, carbon dioxide.
Combustion Exposure Hazards:	Hazardous decomposition products formed under fire conditions: Carbon Oxides. Nitrogen Oxides, combustible. May form explosive mixtures with air on intense heating. Hazardous combustion gases or vapours may form in the event of fire
Fire-Fighting equipment and precaution:	Wear a positive-pressure self-contained breathing apparatus.
Sensitivity to mechanical impact:	Not sensitive.
Sensitivity to static discharge:	N/D

NFPA	Risk	HEALTH	FLAMMABILITY	REACTIVITY	HAZARDS
0=Low	4=High	1	1	0	

6 – ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Use personal protective equipment. Avoid contact with skin and eyes. Use in a properly ventilated area. Avoid inhaling of dusts. Wash hands after use.
Environmental Precautions:	Avoid product entering into drains.
Method & Material for containment and cleaning up:	Ensure proper ventilation. Use personal protective equipment. Contain spillage. Dispose according to local regulations. Sweep up or vacuum spillage and collect in suitable container for disposal. Avoid dust formation. This material is a water pollutant and should not be emptied into drains.

7 – HANDLING AND STORAGE

Precautions for safe handling:	Wear personal protective equipment. Avoid dust formation. Do not breathe dust.
Conditions for Safe Storage:	Store in a cool, dry place away from incompatibles, heat and possible source of ignition. Keep container tightly closed in a well-ventilated area.

8 – EXPOSURE CONTROLS AND PERSONAL PROTECTION

COMPONENTS WITH WORKPLACE CONTROL PARAMETERS

This product does not contain any dangerous substance that has occupational exposure limits as established by those responsible to set the rules specific to the region.

COMPONENT	CAS-No	VALUE	CONTROL PARAMETERS	BASIS
Nicotinic Acid	59-67-6	--	--	--



Eye Protection:	Safety glasses or chemical safety goggles and/or a full face shield if splashing is possible.
Hand Protection:	Use chemical resistant gloves.
Body Protection:	Use impervious apron or body suit.
Respiratory Protection:	Where risk assessment shows air-purifying respirators are appropriate, use a full-face respirator with multi-purpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face air respirator. Use NIOSH (US) or CEN (EU) approved respirators if irritation or other symptoms are experienced.. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. None required in properly vented areas.
Engineering Controls:	Ensure adequate ventilation.

9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Powder	Auto ignition temperature:	N/D
Color:	White	Upper Explosion Limit:	N/D
Odour:	Almost odorless	Lower Explosion Limit:	N/D
Odour threshold::	N/D	Vapour pressure:	N/D
pH:	3.4 for 10 g/l @ 20 °C	Vapour density: (air = 1)	N/D
Melting point:	236.6°C	Relative density	1.473
Boiling point:	N/D	Water solubility:	180 g/l at 20°C
Boiling range:	N/D	Decomposition temperature:	N/D
Density	1.473 g/cc @ 25°C	Refractive Index:	N/A
Flash point:	193 °C Closed cup	Viscosity:	N/A
Evaporation rate: (n-Butyl Acetate = 1)	N/A	Partition coefficient: n-octanol / water	Log Pow –0.590 @ 25°C

10 – STABILITY AND REACTIVITY

Chemical stability:	Stable under recommended storage conditions.
Possibility of hazardous reactions:	Dusts may form explosive mixture with air on intense heating. No dangerous reaction known under conditions of normal use.
Conditions to avoid:	Strong heat.
Incompatible materials:	N / D
Hazardous decomposition products:	See section 5

11 – TOXICOLOGICAL INFORMATION

COMPONENTS	LD ₅₀ ORAL	LD ₅₀ DERMAL	LC ₅₀ INHALATION
Nicotinic Acid	6,450 mg/kg (rat)	>2,000 mg/kg (rat)	N / D
Skin Corrosion / irritation	Rabbit – No skin irritation – 4 h		
Serious eye damage / eye irritation	Rabbit – Eye irritation		
Respiratory or skin sensitisation	Did not cause sensitisation on laboratory animals		
Germ cell Mutagenicity	Negative using Ames test on S. typhimurium with and without metabolic activation.		
Carcinogenicity	No data available.		
Reproductive toxicity	No data available.		
Teratogenicity	No data available.		
Aspiration hazard	No data available.		
Symptoms of Exposure	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.		
Synergistic effects	No data available.		
Addition information	To the best of our knowledge, the toxicological properties have not been thoroughly investigated.		

12 – ECOLOGICAL INFORMATION

COMPONENTS	Toxicity to fish	Toxicity to daphnia and other aquatic invertebrates	Toxicity to Algae
Nicotinic Acid	LC ₅₀ – Salmo trutta – 520 mg/l – 96 h.	LC ₅₀ – Daphnia Magna (Water flea) – 77 mg/l – 48 h.	EC ₅₀ Desmodesmus subspicatus (Green algae) > 105.6 mg/L - 72 h
Persistence and degradability	100% - Readily biodegradable.		
Bioaccumulative potential	No data available.		
Mobility in soil	No data available. Will likely be mobile in the environment due to its water solubility.		

PBT and vPvB assessment	No data available.
Other adverse effects	No data available.

13 – DISPOSAL CONSIDERATIONS

Product	Offer surplus and non-recyclable solutions to a licensed disposal company. Federal and local laws governing disposal of material can differ. Ensure proper disposal compliance with authorities before disposal. Contact your local waste authorities. Do not dispose in drain.
Contaminated clothing	Wash before reusing clothes.
Contaminated packaging	Dispose as unused product above.

14 – TRANSPORT INFORMATION

	TDG	IMDG	IATA
Shipping Name:	Not regulated	Not regulated	Not regulated

15 – REGULATORY INFORMATION

US Regulations	SDS complies with OSHA's Hazard Communication Rule 29, CFR 1910.1200
Canada Classification	Canada WHMIS: SDS in compliance with provisions of information as set out in Canadian Standard – Part 4, Schedule 1 and 2 of the Hazardous Products Regulations (HPR) and meets the requirements of the HPR (Paragraph 13(1)9a) of the Hazardous Product Act (HPA)
International	--

16 – OTHER INFORMATION

Information on the preparation of SDS:	Prepared by Cochimbec Inc. Safety Personnel March 15, 2019 Revision 0 I.C. 1,2,17
Abbreviations:	ACGIH = American Conference of Governmental Industrial Hygienists ASTM = American Society for Testing and Materials BCF = Bioconcentration Factor CAS = Chemical Abstract Services CCOHS = Canadian Center for Occupational Health & Safety CEN (EU) = Comité Européen de Normalisation CERCLA = Comprehensive Environmental Response Compensation & Liability Act CFR = Code of Federal Regulations

CMR = Carcinogenic-mutagenic-toxic for reproduction
 CPR = Controlled Products Regulations
 DIN = German Institute for Standardisation
 DOT = Department of Transport
 EC₅₀ = Half maximal effect concentration
 EINECS = European Inventory of Existing Commercial Chemical Substances
 GHS = Global Harmonization System
 GLP = Good Laboratory practice
 GMO = Genetic Modified Organism
 IARC = International Agency for research on Cancer
 IATA = International Air Transport Association
 ISO = International Organisation for Standardisation
 IDLH = Immediate danger to life and health
 IMDG = International Maritime Dangerous Goods
 LC₅₀ = Lethal concentration causing 50% death
 LD₅₀ = Lethal dose causing 50% death
 LOAEL = Lowest Observed Adverse Effect Level
 LOEL = Lowest Observed Effect Level
 N/A = Not Applicable
 N/D = No Data
 N/E = Not Established
 NFPA = National Fire Protection Association
 NIOSH = National Institute for Occupational Safety & Health
 NTP = National Toxicology Program
 OECD = Organisation for Economic Co-operation & Development
 OEL = Occupational exposure limit
 OHSC = Occupational health & safety council (committee)
 OSHA = Occupational Safety & Health Administration
 PBT = Persistent, Bioaccumulation, Toxic
 PEL = Permissible Exposure Limit
 RCRA = Resource Conservation & Recovery Act
 RTECS = Registry of Toxic Effects of Chemical Substances
 SARA = Species at Risk Act
 STEL = Short term exposure limit
 STEV = Short term exposure value
 STOT = Specific Target Organ Toxicity
 TDG = Transport of Dangerous Goods
 TLV = Threshold limit value
 TMD = Transport de Matières Dangereuses
 TSCA = Toxic Substance Control Act
 TWA = Time weighted Average
 TWAEV = Time weighted average exposure value
 UN = United Nations
 vPvB = very Persistent and very Bioaccumulative
 VOC = Volatile Organic Compounds
 WEEL = Workplace Environment Exposure Limit
 WHO = World Health Organisation
 WHMIS = Workplace Hazardous Material Information System

	W/V = Weight / Volume W/W = Weight / Weight
Disclaimer:	<p>Cochimbec Inc. expressly disclaims all express or implied warranties of merchantability and fitness for a particular purpose, with respect to the product or information provided herein, and shall under no circumstances be liable for incidental or consequential damages. The information herein is provided in good faith and believed to be correct as of the date shown above but does not purport to be all inclusive and shall be used only as a guide. We also urge each user of this product, to study this SDS carefully and become aware of and understand the hazards associated with this product. Since conditions for use of the product are not under the control of the manufacturer, it is the user's responsibility to determine the conditions necessary for the safe use of this product. This information relates only to the product designated herein, and does not relate to its use in combination with other material or in any other process.</p> <p>Do not use ingredient information and / or ingredient percentages in this SDS as a product specification.</p>

End of Safety Data Sheet