

NICOTINIC ACID

MATERIAL SAFETY DATA SHEET

N/D = NO DATA

N/A = NOT APPLICABLE

SECTION 1 - PRODUCT INFORMATION

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| MANUFACTURER AND SUPPLIER | Cochimbec Inc. 8561 chemin Dalton Ville Mont-Royal, Québec H4T 1V5 |
| EMERGENCY TELEPHONE NUMBER | (514) 990-1935 |
| PRODUCT | Nicotinic acid |
| SYNONYMS | Niacin, Nicacid, Nicodan, Nicodelmine, Nicocap, Nicocidin, Nicosan 3 |
| PRODUCT USE | Vitamin |

SECTION 2 - HAZARDOUS INGREDIENTS

| HAZARDOUS INGREDIENTS | | CONCENTRATION | CAS No. | P.I.N. (U.N.) |
|-------------------------------|-----------------------------|---------------|---------------------|---------------|
| Nicotinic acid | | 98 - 100 % | 59-67-6 | N/A |
| LD ₅₀ SPECIES: rat | CONCENTRATION: 7000 mg / Kg | | ROUTE: oral | |
| LD ₅₀ SPECIES: rat | CONCENTRATION: 5000 mg / Kg | | ROUTE: subcutaneous | |
| LC ₅₀ SPECIES: | CONCENTRATION: | | TIME: | |
| LC ₅₀ SPECIES: | CONCENTRATION: | | TIME: | |

SECTION 3 - PHYSICAL DATA

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| PHYSICAL STATE | Solid | DENSITY | N / D |
| ODOUR | Nicotine like | EVAPORATION RATE (nBuAc = 1) | N / A |
| APPEARANCE | white powder | BOILING POINT | N / D |
| ODOUR THRESHOLD | N / D | FREEZING POINT | 236 - 239 °C |
| VAPOUR PRESSURE | N / D | pH @ 25 °C | N / D |
| VAPOUR DENSITY | N / D | COEFF. DE WATER/OIL DISTRIBUTION | N / D |

SECTION 4 - FIRE OR EXPLOSION HAZARD

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| CONDITIONS OF FLAMMABILITY | Presence of flame. |
| MEANS OF EXTINCTION | Water, dry chemical powder, foam or carbon dioxide. |
| FLASHPOINT AND METHOD | N / A |
| UPPER EXPLOSION LIMIT | N / A |
| LOWER EXPLOSION LIMIT | N / A |
| AUTO-IGNITION TEMPERATURE | N / A |

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| HAZARDOUS COMBUSTIONS PRODUCTS | Carbon monoxide and Carbon dioxide and Nitrogen oxides. |
| EXPLOSION DATA- SENSITIVITY TO STATIC DISCHARGE | Not sensitive to static discharge. |
| EXPLOSION DATA- SENSITIVITY TO MECHANICAL IMPACT | Not sensitive to mechanical impact. |

SECTION 5 - REACTIVITY DATA

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| CHEMICAL STABILITY | Stable |
| INCOMPATIBLE MATERIALS | Strong oxidizers. |
| CONDITION OF REACTIVITY | N / D |
| HAZARDOUS DECOMPOSITION PRODUCTS | Carbon monoxide and Carbon dioxide and Nitrogen oxides. |

SECTION 6 - TOXICOLOGICAL PROPERTIES

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| SKIN CONTACT | Harmful. Causes irritation. |
| SKIN ABSORPTION | Potentially harmful quantities may be absorbed on extended or repeated contact with product. Causes irritation. |
| EYE CONTACT | Causes irritation. |
| INHALATION | Harmful. Causes irritation to respiratory system. |
| INGESTION | Harmful. Causes irritation and may cause reversible liver damage. |
| EFFECTS OF ACUTE EXPOSURE | Harmful. May cause irritation. |
| CHRONIC EXPOSURE EFFECTS | Symptoms of overdose may produce a powerful peripheral vasodilating action. This effect is seen as an intense flushing of the skin and occurs about 15 to 60 minutes after exposure. It is accompanied by a sense of warmth, tingling, and itching of the skin and subsides gradually over a period of 15 to 30 minutes. |
| EXPOSURE LIMITS | N / D |
| IRRITANCY OF PRODUCT | N / D |
| SENSITIZATION TO PRODUCT | N / D |
| CARCINOGENICITY | N / D |
| REPRODUCTIVE TOXICITY | N / D |
| TERATOGENICITY | N / D |
| MUTAGENICITY | N / D |
| TOXICOLOGICALLY SYNERGISTIC PRODUCT | N / D |

SECTION 7 - PREVENTIVE MEASURES

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| PERSONAL PROTECTIVE EQUIPMENT | Wear rubber gloves and other appropriate clothing, goggles, full-face shield or facemask when handling this product. Use also with some respiratory equipment such as filter cartridges for dust. |
| SPECIFIC ENGINEERING CONTROLS TO BE USED | Eye rinsing equipment and a shower should be available nearby and ready for use. |
| PROCEDURES TO FOLLOW FOR LEAKS AND SPILLS | Wear protective equipment described above. For spills, sweep up and place in a DOT approved containers. Ventilate closed spaces. Keep away from sewers, rainwater drains and other water sources. Warn qualified government authorities if the spill requires a report or if it is harmful to the environment. |

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| WASTE DISPOSAL | Dispose of contaminated product and cleaning material according to government laws. Consult your federal, provincial and municipal agencies to determine elimination procedure. Do not dispose as ordinary waste nor throw in sewers. |
| HANDLING PROCEDURES AND EQUIPMENT | Keep containers closed when not in use. Use with appropriate protective equipment and wash thoroughly after handling. Avoid all contact with the product. Rinse out empty containers to avoid accidental contact with material. |
| STORAGE REQUIREMENTS | Store away from incompatibles. Store in a cool ventilated area. |
| SPECIAL SHIPPING INFORMATION | No special shipping procedure. |

SECTION 8 - FIRST AID MEASURES

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| EYE CONTACT | Rinse with running water for 30 minutes while lifting upper and lower eyelids from time to time. Obtain medical attention if irritation persists. |
| SKIN CONTACT | Rinse with running water for 30 minutes. Remove all contaminated clothing and wash them before re-using. Obtain medical attention immediately if irritation persists. |
| INHALATION | Remove victim to fresh air. If victim is not breathing, begin artificial respiration. If breathing is difficult, give oxygen. Obtain medical attention immediately. |
| INGESTION | Do not give anything by mouth to an unconscious person or a convulsive victim. In case of spontaneous vomit, tilt victims head forward and have him bend forward. Have victim rinse mouth with water and then have him drink some water. Obtain medical attention immediately. |

SECTION 9 - PREPARATION OF DATA

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| PREPARED BY: | Cochimbec Inc. |
| TELEPHONE NUMBER: | (514) 990-1935 |
| DATE PREPARED: | March 11, 2016 |

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