## Section 1. Chemical Product and Company Identification

**Common Name/Trade Name**
Niacin

**Manufacturer**
SPECTRUM LABORATORY PRODUCTS INC.
14422 S. SAN PEDRO STREET
GARDENA, CA 90248

**Commercial Name(s)**
Not available.

**Synonym**
- 3-Carboxypyridine
- 3-Pyridinecarboxylic acid
- Acide nicotinique (French)
- Acidum nicotinicum
- Akotin
- Apelagrin
- Bionic
- Niaspan
- Nicacid
- Nicangin
- Nicobid
- Nicocap
- Nicocidin
- Nicocrisina
- Nicodan
- Nicodelmine
- Nicolar
- Niconacid
- Niconat
- Niconazid
- Nicosyl
- Nicotamin
- Nicotene
- Nicotil
- Nicotine acid
- Nicotinipca
- Nicotinoylhydrazine
- Nicovasan
- Nicovasen
- Nicyl
- Nipellen
- Pellagrin
- Pellagrin
- Pelonin
- Pefiton
- Pyridine-3-carboxylic acid
- Pyridine-3-carboxylic acid
- Pyridine-beta-carboxylic acid
- Pyridine-carboxylique-3 (French)
- Tinic

**Chemical Name**
Nicotinic acid

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**Chemical Name**
- Pyridine-3-carbonic acid

**CAS#**
59-67-6

**RTECS**
OQ525000

**TSCA**
TSCA 8(b) inventory: Niacin

**Catalog Number(s).**
N1013, NI100

**CI#**
Not available.

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**IN CASE OF EMERGENCY**

**CHEMTREC (24hr) 800-424-9300**

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**Material Safety Data Sheet**

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**Page Number: 1**

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**NFPA**

<table>
<thead>
<tr>
<th>Health Hazard</th>
<th>Fire Hazard</th>
<th>Reactivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

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**Personal Protective Equipment**

See Section 15.
Section 2. Composition and Information on Ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS #</th>
<th>TWA (mg/m³)</th>
<th>STEL (mg/m³)</th>
<th>CEIL (mg/m³)</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Niacin</td>
<td>59-67-6</td>
<td></td>
<td></td>
<td></td>
<td>100</td>
</tr>
</tbody>
</table>

Toxicological Data on Ingredients

Niacin:
- **ORAL (LD50):** Acute: 7000 mg/kg [Rat], 3720 mg/kg [Mouse], 4550 mg/kg [Rabbit].
- **DERMAL (LD50):** Acute: >2000 mg/kg [Rat].

Section 3. Hazards Identification

Potential Acute Health Effects
- Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

Potential Chronic Health Effects
- **CARCINOGENIC EFFECTS:** Not available.
- **MUTAGENIC EFFECTS:** Not available.
- **TERATOGENIC EFFECTS:** Not available.
- **DEVELOPMENTAL TOXICITY:** Not available.
- Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4. First Aid Measures

**Eye Contact**
- Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention if irritation occurs.

**Skin Contact**
- Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops. Cold water may be used.

**Serious Skin Contact**
- Not available.

**Inhalation**
- If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

**Serious Inhalation**
- Not available.

**Ingestion**
- Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

**Serious Ingestion**
- Not available.

Section 5. Fire and Explosion Data

**Flammability of the Product**
- May be combustible at high temperature.

**Auto-Ignition Temperature**
- 580°C (1076°F)

**Flash Points**
- CLOSED CUP: 193°C (379.4°F).

**Flammable Limits**
- Not available.

**Products of Combustion**
- These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂...).

**Fire Hazards in Presence of Various Substances**
- Slightly flammable to flammable in presence of heat.

Continued on Next Page
**Section 6. Accidental Release Measures**

**Small Spill**
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

**Large Spill**
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

**Section 7. Handling and Storage**

**Precautions**
Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe dust. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids.

**Storage**
Keep container tightly closed. Keep container in a cool, well-ventilated area.

**Section 8. Exposure Controls/Personal Protection**

**Engineering Controls**
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

**Personal Protection**
Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

**Personal Protection in Case of a Large Spill**
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

**Exposure Limits**
Not available.

**Section 9. Physical and Chemical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state and appearance</td>
<td>Solid</td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>123.12 g/mole</td>
</tr>
<tr>
<td>pH (1% soln/water)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>Not available.</td>
</tr>
<tr>
<td>Melting Point</td>
<td>234-238°C (453.2-460.4°F)</td>
</tr>
<tr>
<td>Critical Temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.473 (Water = 1)</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>Not available.</td>
</tr>
<tr>
<td>Volatility</td>
<td>Not available.</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Not available.</td>
</tr>
<tr>
<td>Taste</td>
<td>Not available.</td>
</tr>
<tr>
<td>Color</td>
<td>Not available.</td>
</tr>
<tr>
<td>Water/Oil Dist. Coeff.</td>
<td>The product is more soluble in oil; log(oil/water) = 0.4</td>
</tr>
<tr>
<td>Ionicity (in Water)</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

*Continued on Next Page*
### Niacin

<table>
<thead>
<tr>
<th>Dispersion Properties</th>
<th>See solubility in water, diethyl ether.</th>
</tr>
</thead>
</table>
| Solubility            | Partially soluble in cold water, diethyl ether.  
                         Solubility in Water: 15 g/l @ 20 deg. C. |

#### Section 10. Stability and Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>The product is stable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instability Temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Conditions of Instability</td>
<td>Excess heat</td>
</tr>
<tr>
<td>Incompatibility with various substances</td>
<td>Reactive with oxidizing agents, acids.</td>
</tr>
<tr>
<td>Corrosivity</td>
<td>Non-corrosive in presence of glass.</td>
</tr>
</tbody>
</table>

**Special Remarks on Reactivity**
- Incompatible with alkaline solutions.

**Special Remarks on Corrosivity**
- Not available.

**Polymerization**
- Will not occur.

#### Section 11. Toxicological Information

**Routes of Entry**
- Inhalation. Ingestion.

**Toxicity to Animals**
- Acute oral toxicity (LD50): 3720 mg/kg [Mouse].
- Acute dermal toxicity (LD50): >2000 mg/kg [Rat].

**Chronic Effects on Humans**
- Not available.

**Other Toxic Effects on Humans**
- Slightly hazardous in case of skin contact (irritant), of ingestion, of inhalation.

**Special Remarks on Toxicity to Animals**
- Not available.

**Special Remarks on Chronic Effects on Humans**
- Not available.

**Special Remarks on other Toxic Effects on Humans**
- Acute Potential Health Effects:
  - Skin: May cause skin irritation.
  - Eyes: May cause eye irritation.
  - Inhalation: May cause respiratory tract irritation.
  - Ingestion: May cause gastrointestinal tract irritation, nausea, vomiting, diarrhea, skin rash, and flushing of the face with itching, tingling and warmth of the skin. It may also cause hyperglycemia. May affect the blood (changes in serum composition, change in platelet count and clotting factor, hyperbilirubinemia), behavior/central nervous system (convulsions, fainting), respiration (respiratory depression, cyanosis), cardiovascular system (hypotension, tachycardia)
  - Chronic Potential Health Effects:
    - Ingestion: Prolonged or repeated ingestion may affect the blood (changes in serum composition), hyperbilirubinemia, liver (abnormal liver function, hepatitis, jaundice)
    - Skin: Prolonged or repeated contact can lead to a flush effect on the skin, including the face.

#### Section 12. Ecological Information

**Ecotoxicity**
- Ecotoxicity in water (LC50): 8.9 ppm 72 hours [Algae (Desmodesmus subspicatus)]. 520 mg/l 96 hours [Fish (Salmo trutta)]. 77 mg/l 48 hours [Daphnia (daphnia magna)].

**BOD5 and COD**
- Not available.

**Products of Biodegradation**
- Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation**
- The product itself and its products of degradation are not toxic.

Continued on Next Page
Section 13. Disposal Considerations

Waste Disposal

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14. Transport Information

DOT Classification

Not a DOT controlled material (United States).

Identification

Not applicable.

Special Provisions for Transport

Not applicable.

DOT (Pictograms)

Section 15. Other Regulatory Information and Pictograms

Federal and State Regulations

TSCA 8(b) inventory: Niacin

California Proposition 65

Warnings

California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: No products were found.

California prop. 65: This product contains the following ingredients for which the State of California has found to cause birth defects which would require a warning under the statute: No products were found.

Other Regulations

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances (EINECS No. 200-441-0).

Canada: Listed on Canadian Domestic Substance List (DSL).

China: Listed on National Inventory.

Japan: Listed on National Inventory (ENCS).

Korea: Listed on National Inventory (KECI).

Philippines: Listed on National Inventory (PICCS).

Australia: Listed on AiCS.

Other Classifications

WHMIS (Canada) Not controlled under WHMIS (Canada).

DSCL (EEC) This product is not classified according to the EU regulations. Not applicable

HMIS (U.S.A.)

Health Hazard 1

Fire Hazard 1

Reactivity 0

Personal Protection E

National Fire Protection Association (U.S.A.)

Health 1

Flammability 0

Reactivity

Specific hazard

WHMIS (Canada) (Pictograms)

DSCL (Europe) (Pictograms)
### Protective Equipment

- Gloves.
- Lab coat.
- Dust respirator. Be sure to use an approved/certified respirator or equivalent.
- Safety glasses.

### Section 16. Other Information

<table>
<thead>
<tr>
<th>MSDS Code</th>
<th>N3190</th>
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<tbody>
<tr>
<td>References</td>
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<tr>
<td>Other Special Considerations</td>
<td>Not available.</td>
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</tbody>
</table>

Validated by Sonia Owen on 3/1/2013.  
Verified by Sonia Owen.  
Printed 3/1/2013.

### Notice to Reader

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum Quality Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.