Nicotinic Acid

1. Product Identification

Synonyms: Pyridine-(beta)-carboxylic Acid; Niacin
CAS No.: 59-67-6
Molecular Weight: 123.11
Chemical Formula: C6H5NO2
Product Codes: R763

2. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS No</th>
<th>Percent</th>
<th>Hazardous</th>
</tr>
</thead>
<tbody>
<tr>
<td>Niacin</td>
<td>59-67-6</td>
<td>90 - 100%</td>
<td>No</td>
</tr>
</tbody>
</table>

3. Hazards Identification

Emergency Overview

As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from...
skin, eyes and clothing.

**J.T. Baker SAF-T-DATA™ Ratings** (Provided here for your convenience)

- Health Rating: 1 - Slight
- Flammability Rating: 1 - Slight
- Reactivity Rating: 0 - None
- Contact Rating: 0 - None
- Lab Protective Equip: GOGGLES; LAB COAT
- Storage Color Code: Orange (General Storage)

**Potential Health Effects**

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**Inhalation:**
No adverse health effects expected from inhalation. May cause mild irritation to the respiratory tract.

**Ingestion:**
Not expected to be a health hazard via ingestion. Extremely large oral dosages may produce gastrointestinal disturbances. May cause a transient flushing, itching and burning of the skin of the upper trunk, usually brief without other complications.

**Skin Contact:**
No adverse effects expected.

**Eye Contact:**
No adverse effects expected but dust may cause mechanical irritation.

**Chronic Exposure:**
May cause depressed liver function and activation of peptic ulcer. Tumorigenic effects noted in animals.

**Aggravation of Pre-existing Conditions:**
Persons with impaired kidney function may be more susceptible to the effects of the substance.

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4. **First Aid Measures**

**Inhalation:**
Remove to fresh air. Get medical attention for any breathing difficulty.

**Ingestion:**
If large amounts were swallowed, give water to drink and get medical advice.

**Skin Contact:**
Wash exposed area with soap and water. Get medical advice if irritation develops.

**Eye Contact:**
Wash thoroughly with running water. Get medical advice if irritation develops.

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5. **Fire Fighting Measures**
Fire:
As with most organic solids, fire is possible at elevated temperatures or by contact with an
ignition source.

Explosion:
Not considered to be an explosion hazard.

**Fire Extinguishing Media:**
Water spray, dry chemical, alcohol foam, or carbon dioxide.

**Special Information:**
In the event of a fire, wear full protective clothing and NIOSH-approved self-contained
breathing apparatus with full facepiece operated in the pressure demand or other positive
pressure mode.

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6. **Accidental Release Measures**

Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified
in Section 8. Spills: Sweep up and containerize for reclamation or disposal. Vacuuming or
wet sweeping may be used to avoid dust dispersal.

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7. **Handling and Storage**

Keep in a tightly closed container. Protect from physical damage. Store in a cool, dry,
ventilated area away from sources of heat, moisture and incompatibilities. Containers of this
material may be hazardous when empty since they retain product residues (dust, solids);
observe all warnings and precautions listed for the product.

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8. **Exposure Controls/Personal Protection**

**Airborne Exposure Limits:**
None established.

**Ventilation System:**
A system of local and/or general exhaust is recommended to keep employee exposures as
low as possible. Local exhaust ventilation is generally preferred because it can control the
emissions of the contaminant at its source, preventing dispersion of it into the general work
area. Please refer to the ACGIH document, *Industrial Ventilation, A Manual of
Recommended Practices*, most recent edition, for details.

**Personal Respirators (NIOSH Approved):**
For conditions of use where exposure to dust or mist is apparent and engineering controls
are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If
oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R
or P filter. For emergencies or instances where the exposure levels are not known, use a
full-face positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do
not protect workers in oxygen-deficient atmospheres.
9. Physical and Chemical Properties

**Appearance:**
White crystalline powder.

**Odor:**
Slightly amine to odorless.

**Solubility:**
Slightly soluble in water.

**Specific Gravity:**
1.473

**pH:**
2.7 (saturated aqueous solution).

**% Volatiles by volume @ 21C (70F):**
0

**Boiling Point:**
Sublimes.

**Melting Point:**
237C (459F)

**Vapor Density (Air=1):**
4.25

**Vapor Pressure (mm Hg):**
No information found.

**Evaporation Rate (BuAc=1):**
No information found.

10. Stability and Reactivity

**Stability:**
Stable under ordinary conditions of use and storage.

**Hazardous Decomposition Products:**
Burning may produce carbon monoxide, carbon dioxide, nitrogen oxides.

**Hazardous Polymerization:**
Will not occur.

**Incompatibilities:**
Strong oxidizers.

**Conditions to Avoid:**
Heat, flame, sources of ignition, light and incompatibles.
11. Toxicological Information

Oral rat LD50: 7,000 mg/kg. Investigated as a tumorigen.

--- Cancer Lists ---

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>TSP Carcinogen</th>
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<tbody>
<tr>
<td>Niacin (59-67-6)</td>
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</table>

12. Ecological Information

**Environmental Fate:**
When released into the soil, this material is expected to readily biodegrade. When released into water, this material is expected to readily biodegrade. When released into the air, this material may be moderately degraded by reaction with photochemically produced hydroxyl radicals. When released into the air, this material may be removed from the atmosphere to a moderate extent by wet deposition.

**Environmental Toxicity:**
No information found.

13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

14. Transport Information

Not regulated.

15. Regulatory Information

--- Chemical Inventory Status - Part 1 ---

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<tr>
<th>Ingredient</th>
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---\Chemical Inventory Status - Part 2\----------------------------------

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---\Federal, State & International Regulations - Part 1\------------------

<table>
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---\Federal, State & International Regulations - Part 2\------------------

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<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
SARA 311/312: Acute: No Chronic: No Fire: No Pressure: No
Reactivity: No (Pure / Solid)

**Australian Hazchem Code:** None allocated.

**Poison Schedule:** None allocated.

**WHMIS:**
This MSDS has been prepared according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

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16. Other Information

**NFPA Ratings:** Health: 1 Flammability: 1 Reactivity: 0

**Label Hazard Warning:**
As part of good industrial and personal hygiene and safety procedure, avoid all unnecessary exposure to the chemical substance and ensure prompt removal from skin, eyes and clothing.

**Label Precautions:**
None.

**Label First Aid:**
Not applicable.

**Product Use:**
Laboratory Reagent.

**Revision Information:**
No Changes.

**Disclaimer:**
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