1. PRODUCT AND COMPANY IDENTIFICATION

Product name: Pyridine
Product Number: 270970
Brand: Sigma-Aldrich
Company: Sigma-Aldrich
3050 Spruce Street
SAINT LOUIS MO 63103
USA
Telephone: +18003255832
Fax: +18003255592
Emergency Phone #: (314) 775-5555

2. HAZARDS IDENTIFICATION

Emergency Overview

OSHA Hazards: Flammable liquid, Harmful by ingestion, Harmful by skin absorption, Irritant, Carcinogen

Target Organs: Kidney, Liver, Bone marrow, Nerves.

GHS Label elements, including precautionary statements

Pictogram:

Signal word: DANGER

Hazard statement(s):
H225: Highly flammable liquid and vapour.
H302 + H312: Harmful if swallowed or in contact with skin.
H311: Causes severe eye damage.
H313: Harmful if inhaled.
H400: Harmful to aquatic life.

Precautionary statement(s):
P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P210A: Keep away from heat/sparks/open flames/hot surfaces.
P221: Do not obtain by vacuum cleaning.
P270: Wear protective gloves/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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Formula: C_5H_5N
Molecular Weight: 75.1 g/mol
CAS-No.: 110-69-1
EC-No.: 203-809-9
Index-No.: 613-001-00-7

4. FIRST AID MEASURES

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

In case of skin contact
Wash off with soap and plenty of water. Consult a physician.

In case of eye contact
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed
Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
For small (incipient) fires, use media such as "alcohol" foam, dry chemical, or carbon dioxide. For large fires, apply water from as far as possible. Use very large quantities (flooding) of water applied as a mist or spray; solid streams of water may be ineffective. Cool all affected containers with flooding quantities of water.

Special protective equipment for fire-fighters
Wear self-contained breathing apparatus for fire fighting if necessary.

Further Information
Use water spray to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleaning up
Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13)

7. HANDLING AND STORAGE

Precautions for safe handling
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Keep away from sources of ignition. - No smoking. Take measures to prevent the build up of electrostatic charge.
9. Physical and Chemical Properties

Water

In accordance with good laboratory practice, solid residues from the end of the day's work are stored in accordance with the building's policy.

Chemical Properties

The material is combustible. Store it in a cool, dry place. Do not use water for extinguishing fires. Use carbon dioxide, foam, or dry chemicals.

11. Toxicological Information

11.1 Personal Protective Equipment

- Respiratory protection: Use a NIOSH Approved Respirator.
- Eye protection: Wear safety goggles or face shield.
- Skin protection: Use gloves and protective clothing.
- General: Wear appropriate protective clothing and follow good hygiene practices.

12. Stabilities and Reactivities

- Stability: Stable under normal conditions.
- Reactions: May react violently with strong oxidizing agents.
- Hazardous decomposition products: May include toxic gases.

13. Exposure Controls and Personal Protective Equipment

- Respiratory protection: Use NIOSH approved respirator.
- Eye protection: Wear safety glasses.
- Skin protection: Use gloves and protective clothing.

Condition for safe storage

- Store in a cool, dry location.
- Keep away from heat and sources of ignition.
carcinogen or potential carcinogen by OSHA.

Reproductive toxicity
no data available

Specific target organ toxicity - single exposure (GHS)
no data available

Specific target organ toxicity - repeated exposure (GHS)
no data available

Aspiration hazard
no data available

Potential health effects

Inhalation
May be harmful if inhaled. Causes respiratory tract irritation.

Ingestion
Harmful if swallowed.

Skin
Harmful if absorbed through skin. Causes skin irritation.

Eyes
Causes eye irritation.

Signs and Symptoms of Exposure

Additional information
RTECS: UR8400000

12. ECOLOGICAL INFORMATION

Toxicity

Toxicity to fish
LC50 - Pinephila promelas (fathead minnow) - 93.80 mg/L - 96 h
LC50 - Cyprinus carpio (Carps) - 25.00 mg/L - 96 h

Toxicity to daphnia and other aquatic invertebrates.
EC50 - Daphnia magna (Water flea) - 940.00 mg/L - 48 h
EC50 - Daphnia magna (Water flea) - 1,140.00 mg/L - 48 h
EC50 - Daphnia pulex (Water flea) - 520.00 mg/L - 48 h

Toxicity to algae
EC50 - Selenastrum - 100.00 - 180.00 mg/L - 72 h

Persistence and degradability
no data available

Bioaccumulative potential
no data available

Mobility in soil
no data available

PBT and vPvB assessment
no data available

Other adverse effects
no data available

13. DISPOSAL CONSIDERATIONS

Product
Burns in a chemical incinerator equipped with an afterburner and scrubber but extra care in igniting as this material is highly flammable. Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging
Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT (US)
UN-Number: 1262 Class:3
Proper shipping name: Pyridine
Reported Quantity (RQ): 1000 lbs
Marine pollutant: No
Poison Inhalation Hazard: No

IMDG
UN-Number: 1262 Class:3
Proper shipping name: PYRIDINE
Marine pollutant: No

IATA
UN-Number: 1262 Class:3
Proper shipping name: Pyridine

Packing group: II
EMS-No: F-F, S-D

15. REGULATORY INFORMATION

OSHA Hazards
Flammable liquid, Harmful by ingestion., Harmful by skin absorption., Irritant. Carcinogen

DSL Status
All components of this product are on the Canadian DSL list.

SARA 302 Components
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

<table>
<thead>
<tr>
<th>Pyridine</th>
<th>CAS-No.</th>
<th>Revision Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-86-1</td>
<td></td>
<td>2007-07-01</td>
</tr>
</tbody>
</table>

SARA 311/312 Hazards
Fire Hazard, Acute Health Hazard, Chronic Health Hazard

Massachusetts Right To Know Components

<table>
<thead>
<tr>
<th>Pyridine</th>
<th>CAS-No.</th>
<th>Revision Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-86-1</td>
<td></td>
<td>2007-07-01</td>
</tr>
</tbody>
</table>

Pennsylvania Right To Know Components

<table>
<thead>
<tr>
<th>Pyridine</th>
<th>CAS-No.</th>
<th>Revision Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-86-1</td>
<td></td>
<td>2007-07-01</td>
</tr>
</tbody>
</table>

New Jersey Right To Know Components

<table>
<thead>
<tr>
<th>Pyridine</th>
<th>CAS-No.</th>
<th>Revision Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>110-86-1</td>
<td></td>
<td>2007-07-01</td>
</tr>
</tbody>
</table>

California Prop. 65 Components

<table>
<thead>
<tr>
<th>Pyridine</th>
<th>CAS-No.</th>
<th>Revision Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>WARNING! This product contains a chemical known to the State of California to cause cancer.</td>
<td>110-86-1</td>
<td>2007-09-28</td>
</tr>
</tbody>
</table>

16. OTHER INFORMATION

Further information
Copyright 2010 Sigma Aldrich Co. License granted to make unlimited paper copies for internal use only. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Sigma-Aldrich Co., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale.