Section 1 - Product and Company Information

Product Name                       2-CHLOROPYRIDINE, 99%
Product Number                     C69802
Brand                              ALDRICH
Company                            Sigma-Aldrich
Street Address                     3050 Spruce Street
City, State, Zip, Country          SAINT LOUIS MO 63103 US
Technical Phone:                   314 771 5765
Emergency Phone:                   414 273 3850 Ext. 5996
Fax:                               800 325 5052

Section 2 - Composition/Information on Ingredient

Substance Name                          CAS #                 SARA 313
2-CHLOROPYRIDINE                        109-09-1              No

Formula         C5H4ClN
Synonyms        o-Chloropyridine * alpha-Chloropyridine
RTECS Number:   US5950000

Section 3 - Hazards Identification

EMERGENCY OVERVIEW
Highly Toxic (USA) Toxic (EU).
Toxic by inhalation, in contact with skin and if swallowed.
Irritating to eyes, respiratory system and skin.
Combustible.

For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures

ORAL EXPOSURE
If swallowed, wash out mouth with water provided person is conscious. Call a physician immediately.

INHALATION EXPOSURE
If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

Section 5 - Fire Fighting Measures

FLASH POINT
154.4 °F   68 °C   Method: closed cup

AUTOIGNITION TEMP
N/A

FLAMMABILITY
N/A
EXTINGUISHING MEDIA
Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.

PIREFIGHTING
Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Specific Hazard(s): Emits toxic fumes under fire conditions. Combustible liquid.

EXPOSURE HAZARD(S)
Material: Irritant.

Section 6 - Accidental Release Measures

PROCEDURE TO BE FOLLOWED IN CASE OF LEAK OR SPILL
Evacuate area.

PROCEDURE(S) OF PERSONAL PRECAUTION(S)
Wear self-contained breathing apparatus, rubber boots, and heavy rubber gloves.

METHODS FOR CLEANING UP
Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

HANDLING
User Exposure: Do not breathe vapor. Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure.

STORAGE
Suitable: Keep tightly closed. Keep away from heat and open flame. Store in a cool dry place.

Section 8 - Exposure Controls / PPE

ENGINEERING CONTROLS
Use only in a chemical fume hood. Safety shower and eye bath.

PERSONAL PROTECTIVE EQUIPMENT
Other: Wear appropriate government approved respirator, chemical-resistant gloves, safety goggles, other protective clothing.

GENERAL HYGIENE MEASURES
Wash thoroughly after handling. Wash contaminated clothing before reuse.

Section 9 - Physical/Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>At Temperature or Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Color: Colorless</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Form: Clear liquid</td>
<td></td>
</tr>
<tr>
<td>Molecular Weight</td>
<td>113.55 AMU</td>
<td></td>
</tr>
<tr>
<td>pH</td>
<td>N/A</td>
<td></td>
</tr>
<tr>
<td>BP/BP Range</td>
<td>167.0 - 170.0 °C</td>
<td></td>
</tr>
</tbody>
</table>
Section 10 - Stability and Reactivity

STABILITY
Materials to Avoid: Strong oxidizing agents, Strong acids.

HAZARDOUS DECOMPOSITION PRODUCTS

Section 11 - Toxicological Information

ROUTE OF EXPOSURE
Skin Contact: Causes skin irritation.
Multiple Routes: Vapor or mist is irritating to the eyes, mucous membranes, and upper respiratory tract. May be fatal if inhaled, swallowed, or absorbed through skin.

SIGNS AND SYMPTOMS OF EXPOSURE
To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

TOXICITY DATA

Oral
Mouse
110 mg/kg
LD50
Behavioral: Antipsychotic. Liver: Other changes.

Intraperitoneal
Mouse
130 MG/KG
LD50
Behavioral: Antipsychotic. Liver: Fatty liver degeneration.

Skin
Rabbit
64 mg/kg
LD50
Remarks: Liver: Other changes.

Intraperitoneal
Rabbit
48 MG/KG
LD50
Behavioral: Antipsychotic. Liver: Fatty liver degeneration.

Oral
Bird (wild)
1000 mg/kg
LD50

CHRONIC EXPOSURE - MUTAGEN

Species: Mouse
Dose: 1920 MG/L
Cell Type: lymphocyte
Mutation test: Micronucleus test

Species: Mouse
Dose: 400 MG/L (+S9)
Cell Type: lymphocyte
Mutation test: Mutation in microorganisms

Species: Mouse
Dose: 1920 MG/L
Cell Type: lymphocyte
Mutation test: Cytogenetic analysis

Species: Mouse
Dose: 1980 MG/L
Cell Type: lymphocyte
Mutation test: Mutation in mammalian somatic cells.

Section 12 - Ecological Information
No data available.

Section 13 - Disposal Considerations

APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION
This combustible material may be burned in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

Section 14 - Transport Information

DOT
Proper Shipping Name: 2-Chloropyridine
UN#: 2822
Class: 6.1
Packing Group: Packing Group II
Hazard Label: Toxic substances.
IATA
        Proper Shipping Name: 2-Chloropyridine
        IATA UN Number: 2822
        Hazard Class: 6.1
        Packing Group: II

Section 15 - Regulatory Information

EU ADDITIONAL CLASSIFICATION
        Symbol of Danger: T
        Indication of Danger: Toxic.
        R: 23/24/25-36/37/38
        Risk Statements: Toxic by inhalation, in contact with skin and
        if swallowed. Irritating to eyes, respiratory system and skin.
        S: 26-36/37/39-45
        Safety Statements: In case of contact with eyes, rinse
        immediately with plenty of water and seek medical advice. Wear
        suitable protective clothing, gloves, and eye/face protection.
        In case of accident or if you feel unwell, seek medical advice
        immediately (show the label where possible).

US CLASSIFICATION AND LABEL TEXT
        Indication of Danger: Highly Toxic (USA) Toxic (EU).
        Risk Statements: Toxic by inhalation, in contact with skin and
        if swallowed. Irritating to eyes, respiratory system and skin.
        Safety Statements: In case of contact with eyes, rinse
        immediately with plenty of water and seek medical advice. Wear
        suitable protective clothing, gloves, and eye/face protection.
        In case of accident or if you feel unwell, seek medical advice
        immediately (show the label where possible).
        US Statements: Combustible.

UNITED STATES REGULATORY INFORMATION
        SARA LISTED: No
        TSCA INVENTORY ITEM: Yes

CANADA REGULATORY INFORMATION
        WHMIS Classification: This product has been classified in
        accordance with the hazard criteria of the CPR, and the MSDS
        contains all the information required by the CPR.
        DSL: No
        NDSL: Yes

Section 16 - Other Information

DISCLAIMER
        For R&D use only. Not for drug, household or other uses.

WARRANTY
        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
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