ATTN: SAFETY DIRECTOR
UNIV OF WISCONSIN - WHITESTONE
PURCHASING OFFICE
800 W MAIN ST
WHITESTONE WI 53190-1705

SIGMA CHEMICAL COMPANY
POST OFFICE BOX 14508
SAINT LOUIS, MISSOURI 63178, USA

EMERGENCY PHONE 1-314-771-5765
DATE 01/21/99
CUST#: 0-495-04629
PO#: 1235

MATERIAL SAFETY DATA SHEET PAGE 1

CATALOG #: P2069
NAME: PHENOL; CHLOROFORM; ISOAMYL ALCOHOL
25:24:1 INCLUDES BOTTLE OF EQUILIBRATION BUFFER

HAZARDS IDENTIFIED WITH THIS PRODUCT ARE THOSE ASSOCIATED WITH THE FOLLOWING COMPONENT(S). REFER TO THE MATERIAL SAFETY DATA SHEET(S) FOR THE LISTED ITEM(S).

<table>
<thead>
<tr>
<th>CATALOG NUMBER</th>
<th>NAME</th>
<th>PERCENT</th>
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<tbody>
<tr>
<td>P4161</td>
<td>PHENOL ACS REAGENT</td>
<td>50.00</td>
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<tr>
<td>10640</td>
<td>CHLOROFORM ACS GRADE</td>
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<td></td>
<td>ISOAMYL ALCOHOL ACS REAGENT</td>
<td>2.00</td>
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</tbody>
</table>

- - - - MULTIPLE COMPONENT SPILL OR LEAK PROCEDURES - - - -

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED

EVACUATE AREA.
WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES.
COVER WITH DRY LIME OR SODA ASH, PICK UP, KEEP IN A CLOSED CONTAINER AND HOLD FOR WASTE DISPOSAL.
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

WASTE DISPOSAL METHOD

THIS COMBUSTIBLE MATERIAL MAY BE BURNED IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.
OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

LABEL PRECAUTIONARY STATEMENTS

HIGHLY TOXIC (USA)
TOXIC (EU)
MAY CAUSE CANCER.
MAY CAUSE HERITABLE GENETIC DAMAGE.
TOXIC BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.
CAUSES BURNS.
VESICANT.
COMBUSTIBLE.
UNPLEASANT ODOR.
TARGET ORGAN(S):
CENTRAL NERVOUS SYSTEM.
LIVER.

IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
TAKE OFF IMMEDIATELY ALL CONTAMINATED CLOTHING.
WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.

CONTINUED ON NEXT PAGE
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N FREMONT ST  
WHITESTATER WI 53190  

5065