SECTION I - PRODUCT IDENTIFICATION

PRODUCT NAME: PYROGALLOL
COMMON SYNONYMS: 1,2,3-TRIHYDROXYBENZENE; 1,2,3-BENZENETRIOL; PYROGALLIC ACID
CHEMICAL FAMILY: PHENOLS
FORMULA: \(1,2,3-(HO)CsH3\)
FORMULA WT: 126.11
CAS NO: 87-66-1
NIOSH/RTECS NO: UX2800000
PRODUCT USE: LABORATORY REAGENT
PRODUCT CODES: 0290,0288

PRECAUTIONARY LABELING

BAKER SAF-T-DATA* SYSTEM

HEALTH - 2 MODERATE
FLAMMABILITY - 1 SLIGHT
REACTIVITY - 0 NONE
CONTACT - 3 SEVERE (LIFE)

LABORATORY PROTECTIVE EQUIPMENT

GOGGLES; LAB COAT; VENT HOOD; PROPER GLOVES

U.S. PRECAUTIONARY LABELING

WARNING
CAUSES SEVERE IRRITATION. RAPIDLY ABSORBED THROUGH SKIN. HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN. EXCEPTIONAL CONTACT HAZARD: READ MATERIAL SAFETY DATA SHEET.
DO NOT GET IN EYES, ON SKIN, ON CLOTHING. DO NOT BREATHE DUST. KEEP IN TIGHTLY CLOSED CONTAINER. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

INTERNATIONAL LABELING

HARMFUL BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.

CONTINUED ON PAGE: 2
PRECAUTIONARY LABELING (CONTINUED)

AVOID CONTACT WITH EYES. AFTER CONTACT WITH SKIN, WASH IMMEDIATELY WITH PLENTY OF WATER. KEEP CONTAINER TIGHTLY CLOSED.

SAF-T-DATA* STORAGE COLOR CODE: BLUE (HEALTH)

SECTION II - COMPONENTS

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>CAS NO.</th>
<th>WEIGHT %</th>
<th>OSHA/PEL</th>
<th>ACGIH/TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>PYROGALLOL</td>
<td>87-66-1</td>
<td>90-100</td>
<td>N/E</td>
<td>N/E</td>
</tr>
</tbody>
</table>

SECTION III - PHYSICAL DATA

<table>
<thead>
<tr>
<th>PROPERTY</th>
<th>VALUE</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOILING POINT:</td>
<td>309 C (588 F)</td>
</tr>
<tr>
<td>(AT 760 MM HG)</td>
<td></td>
</tr>
<tr>
<td>MELTING POINT:</td>
<td>132 C (269 F)</td>
</tr>
<tr>
<td>(AT 760 MM HG)</td>
<td></td>
</tr>
<tr>
<td>SPECIFIC GRAVITY:</td>
<td>1.45</td>
</tr>
<tr>
<td>(H2O=1)</td>
<td></td>
</tr>
<tr>
<td>SOLUBILITY(H2O):</td>
<td>APPRECIABLE (&gt;10%)</td>
</tr>
<tr>
<td>PH:</td>
<td>N/A</td>
</tr>
<tr>
<td>ODOR THRESHOLD (P•P•M•)</td>
<td>N/A</td>
</tr>
<tr>
<td>COEFFICIENT WATER/OIL DISTRIBUTION:</td>
<td>N/A</td>
</tr>
<tr>
<td>APPEARANCE &amp; ODOR:</td>
<td>WHITE CRYSTALLINE SOLID. ODORLESS.</td>
</tr>
<tr>
<td>VAPOR PRESSURE (MMHG):</td>
<td>N/A</td>
</tr>
<tr>
<td>VAPOR DENSITY (AIR=1):</td>
<td>N/A</td>
</tr>
<tr>
<td>EVAPORATION RATE:</td>
<td>N/A</td>
</tr>
<tr>
<td>% VOLATILES BY VOLUME:</td>
<td>0 (21 C)</td>
</tr>
<tr>
<td>PHYSICAL STATE:</td>
<td>SOLID</td>
</tr>
</tbody>
</table>

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (CLOSED CUP): N/A
AUTOIGNITION TEMPERATURE: N/A
SECTION IV - FIRE AND EXPLOSION HAZARD DATA (CONTINUED)

FLAMMABLE LIMITS: UPPER - N/A  LOWER - N/A

FIRE EXTINGUISHING MEDIA
USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING FIRE.

SPECIAL FIRE-FIGHTING PROCEDURES
FIREFIGHTERS SHOULD WEAR PROPER PROTECTIVE EQUIPMENT AND SELF-CONTAINED BREATHING APPARATUS WITH FULL FACEPIECE OPERATED IN POSITIVE PRESSURE MODE.

UNUSUAL FIRE & EXPLOSION HAZARDS
NONE IDENTIFIED.

TOXIC GASES PRODUCED
CARBON MONOXIDE, CARBON DIOXIDE

EXPLOSION DATA-SENSITIVITY TO MECHANICAL IMPACT
NONE IDENTIFIED.

EXPLOSION DATA-SENSITIVITY TO STATIC DISCHARGE
NONE IDENTIFIED.

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE (TLV/TWA): NOT ESTABLISHED

SHORT-TERM EXPOSURE LIMIT (STEL): NOT ESTABLISHED

PERMISSIBLE EXPOSURE LIMIT (PEL): NOT ESTABLISHED

TOXICITY OF COMPONENTS

ORAL RAT LD50 FOR PYROGALLOL 789 MG/KG
INTRAPERITONEAL MOUSE LD50 FOR PYROGALLOL 400 MG/KG
ORAL RABBIT LD50 FOR PYROGALLOL 1600 MG/KG

CARCINOGENICITY: NTP: NO  IARC: NO  Z LIST: NO  OSHA REG: NO

CARCINOGENICITY
NONE IDENTIFIED.

CONTINUED ON PAGE: 4
REPRODUCTIVE EFFECTS
NONE IDENTIFIED.

EFFECTS OF OVEREXPOSURE

INHALATION: IRRITATION OF UPPER RESPIRATORY TRACT

SKIN CONTACT: SEVERE IRRITATION OR BURNS, PROLONGED CONTACT MAY CAUSE
SKIN SENSITIZATION

EYE CONTACT: SEVERE IRRITATION OR BURNS

SKIN ABSORPTION: RAPID ABSORPTION

INGESTION: IS HARMFUL AND MAY BE FATAL, HEADACHE, NAUSEA, VOMITING,
GASTROINTESTINAL IRRITATION, CONVULSIONS, UNCONSCIOUSNESS

CHRONIC EFFECTS: NONE IDENTIFIED

TARGET ORGANS
SKIN, EYES, RESPIRATORY SYSTEM, LUNGS, GI TRACT

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE
NONE IDENTIFIED

PRIMARY ROUTES OF ENTRY
EYE CONTACT, SKIN CONTACT, INHALATION, INGESTION, ABSORPTION

EMERGENCY AND FIRST AID PROCEDURES

INGESTION: CALL A PHYSICIAN. IF SWALLOWED, IF CONSCIOUS, GIVE LARGE
AMOUNTS OF WATER. INDUCE VOMITING.

INHALATION: IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE
ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

SKIN CONTACT: IN CASE OF CONTACT, IMMEDIATELY FLUSH SKIN WITH PLENTY OF
WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED
CLOTHING AND SHOES. WASH CLOTHING BEFORE RE-USE.

CONTINUED ON PAGE: 5
SECTION V - HEALTH HAZARD DATA (CONTINUED)

EYE CONTACT: IN CASE OF EYE CONTACT, IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES.

SARA/TITLE III HAZARD CATEGORIES AND LISTS

ACUTE: YES CHRONIC: YES FLAMMABILITY: NO PRESSURE: NO REACTIVITY: NO

EXTREMELY HAZARDOUS SUBSTANCE: NO
CERCLA HAZARDOUS SUBSTANCE: NO
TOXIC CHEMICALS: NO
TSCA INVENTORY: YES

SECTION VI - REACTIVITY DATA

STABILITY: STABLE

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: AIR, HEAT, LIGHT

INCOMPATIBILITIES: ALKALIES, AMMONIA, IODINE, STRONG OXIDIZING AGENTS, STRONG BASES, METAL OXIDES, ACID CHLORIDES, ACID ANHYDRIDES

DECOMPOSITION PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE

SECTION VII - SPILL & DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN THE EVENT OF A SPILL OR DISCHARGE

WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. WITH CLEAN SHOVEL, CAREFULLY PLACE MATERIAL INTO CLEAN, DRY CONTAINER AND COVER; REMOVE FROM AREA. FLUSH SPILL AREA WITH WATER.

DISPOSAL PROCEDURE

DISPOSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL ENVIRONMENTAL REGULATIONS.

CONTINUED ON PAGE: 6
pyrogallol

section viii - industrial protective equipment

ventilation: use adequate general or local exhaust ventilation to keep fume or dust levels as low as possible.

respiratory protection: a chemical cartridge respirator with organic vapor cartridge is recommended. if airborne concentration exceeds capacity of cartridge respirator, a self-contained breathing apparatus is advised.

eye/skin protection: safety goggles, uniform, apron, rubber gloves are recommended.

section ix - storage and handling precautions

saf-t-data* storage color code: blue (health)

storage requirements keep container tightly closed. store in secure poison area. store in light-resistant containers. isolate from incompatible materials.

section x - transportation data and additional information

domestic (d.o.t.)

proper shipping name: chemicals, n.o.s. (non-regulated)

international (i.m.o.)

proper shipping name: chemicals, n.o.s. (non-regulated)

marine pollutants: no

air (i.c.a.o.)

proper shipping name: chemicals, n.o.s. (non-regulated)

u.s. customs harmonization number: 29072910005

continued on page: 7
N/A = NOT APPLICABLE OR NOT AVAILABLE
N/E = NOT ESTABLISHED

THE INFORMATION IN THIS MATERIAL SAFETY DATA SHEET MEETS THE
REQUIREMENTS OF THE UNITED STATES OCCUPATIONAL SAFETY AND HEALTH ACT AND
CANADIAN WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. THIS DOCUMENT
IS INTENDED ONLY AS A GUIDE TO THE APPROPRIATE PRECAUTIONARY HANDLING OF
THE MATERIAL BY A PERSON TRAINED IN, OR SUPERVISED BY A PERSON TRAINED
IN, CHEMICAL HANDLING. THE USER IS RESPONSIBLE FOR DETERMINING THE
PRECAUTIONS AND DANGERS OF THIS CHEMICAL FOR HIS OR HER PARTICULAR
APPLICATION. DEPENDING ON USAGE, PROTECTIVE CLOTHING INCLUDING EYE AND
FACE GUARDS AND RESPIRATORS MUST BE USED TO AVOID CONTACT WITH MATERIAL
OR BREATHING CHEMICAL VAPORS/FUMES.

EXPOSURE TO THIS PRODUCT MAY HAVE SERIOUS ADVERSE HEALTH EFFECTS. THIS
CHEMICAL MAY INTERACT WITH OTHER SUBSTANCES. SINCE THE POTENTIAL USES
ARE SO VARIED, BAKER CANNOT WARN OF ALL OF THE POTENTIAL DANGERS OF USE
OR INTERACTION WITH OTHER CHEMICALS OR MATERIALS. BAKER WARRANTS THAT
THE CHEMICAL MEETS THE SPECIFICATIONS SET FORTH ON THE LABEL.

BAKER DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD
TO THE PRODUCT SUPPLIED HEREUNDER; ITS MERCHANTABILITY OR ITS FITNESS
FOR A PARTICULAR PURPOSE.

THE USER SHOULD RECOGNIZE THAT THIS PRODUCT CAN CAUSE SEVERE INJURY AND
EVEN DEATH, ESPECIALLY IF IMPROPERLY HANDLED OR THE KNOWN DANGERS OF USE
ARE NOT HEEDED. READ ALL PRECAUTIONARY INFORMATION. AS NEW DOCUMENTED
GENERAL SAFETY INFORMATION BECOMES AVAILABLE, BAKER WILL PERIODICALLY
REVISE THIS MATERIAL SAFETY DATA SHEET. IF YOU HAVE ANY QUESTIONS,
PLEASE CALL CUSTOMER SERVICE (1-800-JTBAKER) FOR ASSISTANCE.

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