

Sigma Chemical Co.
P.O. Box 14508
St. Louis, MO 63178 USA
Tel: 314-771-5765

M A T E R I A L S A F E T Y D A T A S H E E T

SECTION 1. - - - - - CHEMICAL IDENTIFICATION- - - - -

CATALOG #: P9471
NAME: PHENOLPHTHALEIN USP

SECTION 2. - - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - -

CAS #: 77-09-8
MF: C20H14O4
EC NO: 201-004-7

SYNONYMS

AGORAL * 3,3-BIS(4-HYDROXYPHENYL)-1-(3H)-ISOBENZOFURANONE * 3,3-BIS(P-HYDROXYPHENYL)PHTHALIDE * COLAX * CORRECTOL * DIALOSE * ALPHA-DI(P-HYDROXYPHENYL)PHTHALIDE * DIHYDROXPHTHALOPHENONE * DOXIDAN * EUCHESSINA * EVAC-Q-KIT * EVAC-Q-KWIK * EVAC-U-GEN * EVAC-V-LAX * EX-LAX * FEEN-A-MINT GUM * FEMILAX * FENOLFTALEIN (CZECH) * ALPHA-(P-HYDROXYPHENYL)-ALPHA-(4-OXO-2,5-CYCLOHEXADIEN-1-YLIDENE)-O-TOLUIC ACID * 1(3H)-ISOBENZOFURANONE, 3,3-BIS(4-HYDROXYPHENYL)- * KOPROL * LAXOGEN * LAXCAPS * LAX-PILLS * LILO * MEDILAX * MODANE * NCI-C55798 * PHENOLAX * PHTHALIDE 3,3,-BIS(P-HYDROXYPHENYL)- * PHTHALIMETTEN * PHTHALIN * PRULET * PURGA * PURGEN * PURGOPHEN * SPULMAKO-LAX * TRILAX *

SECTION 3. - - - - - HAZARDS IDENTIFICATION - - - - -

LABEL PRECAUTIONARY STATEMENTS

HARMFUL
POSSIBLE RISK OF IRREVERSIBLE EFFECTS.
POSSIBLE CARCINOGEN (US)
POSSIBLE SENSITIZER.
TARGET ORGAN(S):
KIDNEYS
ADRENAL MEDULLA
WEAR SUITABLE PROTECTIVE CLOTHING.

SECTION 4. - - - - - FIRST-AID MEASURES- - - - -

IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.
CALL A PHYSICIAN.
IF INHALED, REMOVE TO FRESH AIR. IF BREATHING BECOMES DIFFICULT, CALL A PHYSICIAN.
IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS AMOUNTS OF WATER.
IN CASE OF CONTACT WITH EYES, FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES. ASSURE ADEQUATE FLUSHING BY SEPARATING THE EYELIDS WITH FINGERS. CALL A PHYSICIAN.

SECTION 5. - - - - - FIRE FIGHTING MEASURES - - - - -

EXTINGUISHING MEDIA

WATER SPRAY.
CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

SPECIAL FIREFIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS

EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

SECTION 6. - - - - - ACCIDENTAL RELEASE MEASURES- - - - -

WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY RUBBER GLOVES.
SWEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.
AVOID RAISING DUST.
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

SECTION 7. - - - - - HANDLING AND STORAGE- - - - -

REFER TO SECTION 8.

SECTION 8. - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION- - - - -

SAFETY SHOWER AND EYE BATH.
MECHANICAL EXHAUST REQUIRED.
AVOID INHALATION.
AVOID CONTACT WITH EYES, SKIN AND CLOTHING.
AVOID PROLONGED OR REPEATED EXPOSURE.
NIOSH/MSHA-APPROVED RESPIRATOR.
COMPATIBLE CHEMICAL-RESISTANT GLOVES.
CHEMICAL SAFETY GOGGLES.
KEEP TIGHTLY CLOSED.
STORE IN A COOL DRY PLACE.
WASH THOROUGHLY AFTER HANDLING.

SECTION 9. - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - - - -

APPEARANCE AND ODOR

SOLID.

PHYSICAL PROPERTIES

MELTING POINT: 261 C

SECTION 10. - - - - - -STABILITY AND REACTIVITY - - - - -

STABILITY

STABLE.

INCOMPATIBILITIES

STRONG OXIDIZING AGENTS

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

CARBON MONOXIDE, CARBON DIOXIDE

HAZARDOUS POLYMERIZATION

WILL NOT OCCUR.

SECTION 11. - - - - - TOXICOLOGICAL INFORMATION - - - - -

ACUTE EFFECTS

MAY CAUSE SKIN IRRITATION.

MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN.

MAY CAUSE EYE IRRITATION.

MAY BE HARMFUL IF INHALED.

MATERIAL MAY BE IRRITATING TO MUCOUS MEMBRANES AND UPPER
RESPIRATORY TRACT.

MAY BE HARMFUL IF SWALLOWED.

PROLONGED OR REPEATED EXPOSURE MAY CAUSE ALLERGIC REACTIONS IN CERTAIN
SENSITIVE INDIVIDUALS.

TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND
TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

CHRONIC EFFECTS

THIS PRODUCT IS OR CONTAINS A COMPONENT THAT HAS BEEN REPORTED TO BE
POSSIBLY CARCINOGENIC BASED ON ITS IARC, ACGIH, NTP OR EPA
CLASSIFICATION.

TARGET ORGAN(S):

ADRENAL MEDULLA

KIDNEYS

THYMUS

BOWEL

RTECS #: SM8380000

PHENOLPHTHALEIN

TARGET ORGAN DATA

GASTROINTESTINAL (GASTRITIS)

GASTROINTESTINAL (NAUSEA OR VOMITING)

KIDNEY, URETER, BLADDER (OTHER CHANGES IN URINE COMPOSITION)

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES

(RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR

COMPLETE INFORMATION.

SECTION 12. - - - - - ECOLOGICAL INFORMATION - - - - -

DATA NOT YET AVAILABLE.

SECTION 13. - - - - - DISPOSAL CONSIDERATIONS - - - - -

CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE OF
THIS MATERIAL.

DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A
CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.

OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. - - - - - TRANSPORT INFORMATION - - - - -

CONTACT SIGMA CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

SECTION 15. - - - - - REGULATORY INFORMATION - - - - -

EUROPEAN INFORMATION

HARMFUL

R 40

POSSIBLE RISK OF IRREVERSIBLE EFFECTS.

S 36

WEAR SUITABLE PROTECTIVE CLOTHING.

REVIEWS, STANDARDS, AND REGULATIONS

OEL=MAK

IARC CANCER REVIEW:ANIMAL SUFFICIENT EVIDENCE IMEMDT 76,387,2000

IARC CANCER REVIEW:HUMAN INADEQUATE EVIDENCE IMEMDT 76,387,2000

IARC CANCER REVIEW:GROUP 2B IMEMDT 76,387,2000

NOHS 1974: HZD T0011; NIS 1; TNF 8; NOS 1; TNE 31

NOHS 1974: HZD 56240; NIS 102; TNF 6160; NOS 43; TNE 43092

NOES 1983: HZD X9187; NIS 3; TNF 117; NOS 6; TNE 1946; TFE 1408

NOES 1983: HZD 56240; NIS 89; TNF 6900; NOS 57; TNE 73297; TFE 18309

EPA GENETOX PROGRAM 1988, NEGATIVE: B SUBTILIS REC ASSAY

EPA GENETOX PROGRAM 1988, INCONCLUSIVE: B SUBTILIS REC ASSAY

EPA TSCA SECTION 8(B) CHEMICAL INVENTORY

EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, JANUARY 2001

NTP CARCINOGENESIS STUDIES (FEED);CLEAR EVIDENCE:MOUSE

NTPTR* NTP-TR-465,1996

NTP CARCINOGENESIS STUDIES (FEED);SOME EVIDENCE:RAT

NTPTR* NTP-TR-465,1996

NTP 9TH REPORT ON CARCINOGENS,2000:REASONABLY ANTICIPATED TO BE HUMAN

CARCINOGEN

NTP CARCINOGENESIS STUDIES; ON TEST (PRECHRONIC STUDIES), OCTOBER 2000

SECTION 16. - - - - - OTHER INFORMATION- - - - -

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