

PHENOLPHTHALEIN PH INDICATOR

MSDS Number

BXGCG

National Stock Number

6810-00D003517

Product Name

PHENOLPHTHALEIN PH INDICATOR

Manufacturer

WARD'S NATURAL SCIENCE ESTABLISHMENT INC

Product Identification

Product ID: PHENOLPHTHALEIN PH INDICATOR

MSDS Date: 07/06/1993

FSC: 6810

NIIN: 00D003517

MSDS Number: BXGCG

Responsible Party

WARD'S NATURAL SCIENCE ESTABLISHMENT INC.

ROCHESTER, NY 14692-9012

US

Emergency Phone: 716-226-6177/334-4222/800-424-9300

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Preparer: ALEXANDER A. PICCIRILLI

Cage: EO227

Contractor

WARDS NATURAL SCIENCE ESTABLISHMENT INC

92912

ROCHESTER, NY 14692-9012

US

(716) 359-2502

Cage: 63759

Ingredients

PHENOLPHTHALEIN

CAS: 77-09-8

RTECS: SM8380000

Fraction By Weight: 1%

ISOPROPYL ALCOHOL (SARA 313)

CAS: 67-63-0

RTECS: NT8050000

Fraction By Weight: 70 - 91%

OSHA PEL400 PPM

ACGIH TLV: 400 PPM/500STEL;9495

WATER

CAS: 7732-18-5

RTECS: ZC0110000

Fraction By Weight: 29 - 31%

OSHA PELNOT RELEVANT

ACGIH TLV: NOT RELEVANT

Hazards

LD50 LC50 Mixture:ORAL LD50 (RAT) IS UNKNOWN.

Routes of Entry: Inhalation:YES Skin:NO Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:TARGET ORGANS:EYE, SKIN, CNS, RESPIRATORY AND GASTROINTESTINAL TRACTS. ACUTE- HARMFUL IF INHALED OR INGESTED. EXPOSURE TO HIGH VAPOR CONCENTRATIONS MAY CAUSE NARCOSIS. CAUSES EYE IRRITATION. MAY CAUSE SKIN IRRITATION, DRYING, DEFATTING ANDCRACKING. CHRONIC- UNKNOWN.

Explanation of Carcinogenicity:NONE

Effects of Overexposure:IRRITATION, HEADACHE, DIZZINESS, NAUSEA, VOMITING, DROWSINESS, SLEEPINESS, SKIN DRYNESS AND DEFATTING
Medical Cond Aggravated by Exposure:PERSONS WITH PRE-EXISTING SKIN DISORDERS, EYE PROBLEMS OR IMPAIRED RESPIRATORY FUNCTION MAY BE MORE SUSCEPTIBLE TO THE EFFECTS OF THIS PRODUCT.

First Aid

First Aid:CALL PHYSICIAN IF SYMPTOMS PERSIST. EYE:IMMEDIATELY FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. CALL PHYSICIAN. SKIN:WASH WITH SOAP & WATER. INHALED:REMOVE TO FRESH AIR. PROVIDE CPR/OXYGEN IF NEEDED. ORAL:IF CONSCIOUS, DRINK WATER & INDUCE VOMITING. CALL A PHYSICIAN/POISON CONTROL CENTER IMMEDIATELY. NEVER GIVE FLUID OR INDUCE VOMITING IF PATIENT IS UNCONSCIOUS OR HAS CONVULSIONS.

Fire Fighting

Flash Point Method:TCC

Flash Point:71.0F,21.7C

Autoignition Temp:Autoignition Temp Text:852F

Lower Limits:6%

Upper Limits:12%

Extinguishing Media:USE CARBON DIOXIDE, "ALCOHOL" FOAM, OR DRY CHEMICAL (ABC). COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A NIOSH-APPROVED SELF CONTAINED BREATHING APPARATUS. USE FLOODING AMOUNT OF WATER IN EARLY STAGE OF FIRE.

Unusual Fire/Explosion Hazard:CONTAINERS MAY RUPTURE DUE TO HEAT OF FIRE. VAPORS MAY ACCUMULATE AND TRAVEL TO IGNITION SOURCES DISTANCE FROM HANDLING SITE; FLASH-FIRE CAN RESULT.

Accidental Release

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT. ELIMINATE SOURCES OF IGNITION. VENTILATE AREA. REMOVE SPILL WITH NON-FLAMMABLE ABSORBENT SUCH AS SAND. PLACE IN CONTAINER FOR DISPOSAL. PREVENT LIQUID FROM ENTERING SEWERS, WATERWAYS. WASH SPILL SITE WITH SOAP AND WATER.

Neutralizing Agent:NOT RELEVANT

Handling

Handling and Storage Precautions:STORE IN TIGHTLY CLOSED CONTAINERS IN FLAMMABLE LIQUID STORAGE ROOM/CABINET. AVOID EXCESSIVE HEAT. KEEP AWAY FROM INCOMPATIBLE MATERIALS.

Other Precautions:FLAMMABLE. DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. AVOID INHALATION OF VAPORS. KEEP OUT OF REACH OF CHILDREN. OBEY HAZARD WARNING LABEL. FOR LABORATORY USE ONLY. NOT FOR DRUG, FOOD/HOUSEHOLD USE. USE WITH ADEQUATE VENTILATION.

Exposure Controls

Respiratory Protection:NONE NORMALLY NEEDED. IF TLV IS EXCEEDED OR FOR SYMPTOMS OF OVER EXPOSURE, WEAR NIOSH-APPROVED ORGANIC VAPOR RESPIRATOR OR SUPPLIED AIR RESPIRATOR. IN EMERGENCY, WEAR A NIOSH-APPROVED POSITIVE-PRESSURE SELF-CONTAINED BREATHING APPARATUS.

Ventilation:MECHANICAL (GENERAL AND/OR LOCAL EXHAUST, EXPLOSION-PROOF) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

Protective Gloves:NATURAL RUBBER, NEOPRENE

Eye Protection:SAFETY GLASSES+FACE SHIELD/CHEM GOGGLES

Other Protective Equipment:EYE WASH STATION & SAFETY SHOWERS SHOULD BE AVAILABLE IN THE IMMEDIATE VICINITY OF ANY POTENTIAL EXPOSURE.

Work Hygienic Practices:WASH HANDS BEFORE EATING, DRINKING, SMOKING, OR USING TOILET FACILITIES. WASH CONTAMINATED CLOTHING BEFORE REUSE.

Supplemental Safety and Health

Chemical Properties

HCC:F3

NRC/State Lic Num:NOT RELEVANT

Boiling Pt:B.P. Text:179F,82C

Melt/Freeze Pt:M.P/F.P Text:-128F,-89C

Vapor Pres:33 @ 68F

Vapor Density:2.07

Spec Gravity:APPROX. 0.8

Solubility in Water:COMPLETE

Appearance and Odor:CLEAR, COLORLESS LIQUID - SWEET PLEASANT ODOR

Percent Volatiles by Volume:99

Stability

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS

Stability Condition to Avoid:HIGH HEAT, SPARKS, OPEN FLAMES AND OTHER SOURCES OF IGNITION

Hazardous Decomposition Products:MAY EMIT CARBON MONOXIDE, CARBON DIOXIDE.

Disposal

Waste Disposal Methods:DISPOSE IN AN APPROVED INCINERATOR OR CONTRACT WITH LICENSED CHEMICAL WASTE DISPOSAL SERVICE. DISCHARGE, TREATMENT OR DISPOSAL IS SUBJECT TO FEDERAL, STATE OR LOCAL LAWS. WHEN EMPTY, THOROUGHLY RINSE CONTAINER WITH WATER BEFORE DISPOSAL.

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