View NSN Online: https://aerobasegroup.jp/nsn/6750-00-664-8269

EASTMAN KODAK CO. -- 146 3108 HYDROQUINONE -- 6750-00-664-8269

Product ID:146 3108 HYDROQUINONE MSDS Date:06/16/1999 FSC:6750 NIIN:00-664-8269 MSDS Number: BFKTY === Responsible Party === Company Name: EASTMAN KODAK CO. Address:343 STATE STREET **City:ROCHESTER** State:NY ZIP:14650 Country:US Info Phone Num:716-724-4501/PACK=JOHN 716-588-3559 Emergency Phone Num:716-7 22-5151(72)/FAX 716-724-9656 Preparer's Name:NOT PROVIDED CAGE:19139 === Contractor Identification === Company Name: EASTMAN KODAK CO GOVERNMENT MARKETS CONTRACTS Address:343 STATE ST Box:City:ROCHESTER State:NY ZIP:14650-1115 Country:US Phone:716-722-5151/(800) 242-2424 CAGE:19139 Company Name: EASTMAN KODAK CO US CUSTOMER SERVICE/GOVERNMENT SALES Address:800 LEE RD Box:City:ROCHESTER State:NY ZIP:14650-3129 Country:US Phone:800-828-6203 CAGE:5K871

======= Composition/Information on Ingre

dients =========

Ingred Name: HYDROQUINONE CAS:123-31-9 RTECS #:MX3500000 = Wt:100. Other REC Limits:NOT PROVIDED OSHA PEL:2 MG/M3 ACGIH TLV:2 MG/M3 EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB LD50 LC50 Mixture: ORAL RAT LD50 IS 400 MG/KG Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO Health Hazards Acute and Chronic: HYDROQUINONE IS GENERALLY NEGATIVE IN **BACTERIAL M** UTAGENICITY TESTS; THERE IS EVIDENCE FOR THE CLASTOGENICITY (CHROMOSOME BREAKAGE) OF HYDROQUINONE IN VIVO AND IN VITRO. THE RELEVANCE OF THE CHROMOSOMA L EFFECTS IN TEST ANIMALS IN PREDICTING HUMAN RISK IS UNCLEAR. INHALATION: HARMFUL IF INHALED. EYES: CAUSES IRRITATION. REPEATED EXPOSURE TO DUST MAY CAUSE EYE INJURY. SKIN: MAY CAUSE ALLERGIC SKIN RE ACTION BASED ON HUMAN EXPERIENCE. MAY CAUSE SKIN DEPIGMENTATION. PROLONGED OR REPEATED CONTACT WITH AQUEOUS SOLUTIONS M AY CAUSE IRRITATION. INGESTION: HARMFUL IF SWALLOWED. MAY CAUSE IRRITATION OF THE GASTROINTESTINAL TRACT. Explanation of Carcinogenicity:CARCINOGENICITY CLASSIFICATION (COMPONENTS PRESENT AT 0.1% OR MORE): - INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC): GROUP 3 - NOT CLASSIFIABLE - AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL H YGIENISTS (ACGIH): A3 -ANIMAL CARCINOGEN - NATIONAL TOXICOLOGY PROGRAM (NTP): NONE -OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION ( **OSHA): NONE** Effects of Overexposure: EYES: CAUSES IRRITATION. SKIN: MAY CAUSE SKIN DEPIGMENTATION. PROLONGED OR REPEATED CONTACT WITH AQUEOUS SOLUTIONS MAY CAUSE IRRITATION. INGESTION: MAY CAUSE IRRITATION OF THE GASTROINTESTINAL TRACT. Medical Cond Aggravated by Exposure:NOT PROVIDED 

First Aid:INHALATION: IF SYMPTOMATIC, MOVE TO FRESH AIR. TREAT SYMPTOMATICALLY. GET MEDICAL ATTENTION IF SYMPTOMS OCCUR. EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER AT LEAST 15 MINUTES. GET MEDICAL ATTENTION. SKIN: IMMEDIATELY FLUSH WITH PLENTY OF WATER AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. IF SKIN IRRITATION/ ALLERGIC SKIN REACTION DEVELOPS, GET MEDICAL ATTENTION. WASH CONTAM INATED CLOTHING BEFORE REUSE. INGESTION: ONLY INDUCE VOMITING AT THE INSTRUCTION OF MEDICAL PERSONNEL. DRINK 1-2 GLASSES OF WATER. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY

. NEVER GIVE ANY THING BY MOUTH TO AN UNCONSCIOUS PERSON.

Flash Point Method:CC Flash Point:=165.C, 329.F Extinguishing Media:WATER SPRAY, DRY CHEMICAL, CARBON DIOXIDE (CO2) Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.

Unusual Fire/Explosion Hazard: POWDERED MATERIAL MAY FORM EXPLOSIVE DUST- AIR MIXTURES.

==

Spill Release Procedures:SWEEP UP AND PLACE IN A CONTAINER FOR CHEMICAL WASTE. CLEAN SURFACE THOROUGHLY TO REMOVE RESIDUAL CONTAMINATION. Neutralizing Agent:NOT RELEVANT

Handling and Storage Precautions: KEEP CONTAINER CLOSED. POWDERED MATERIAL MAY FORM EXPLOSIVE DUST-AIR MIXTURES. MINIMIZE DUST GENERATION AND ACCUMULATION. USE WITH ADEQUATE VENTILATION. KEEP AWAY FROM SOURCES OF IGNITION. KEEP FROM CONTAC
T WITH OXIDIZING MATERIALS.
Other Precautions: AVOID BREATHING DUST AT CONCENTRATIONS GREATER THAN THE EXPOSURE LIMITS. AVOID CONTACT WITH EYES, SKIN, AND CLOTHING.

USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER HANDLING.

======= Exposure Controls/Personal Protection ==========

Respiratory Protection: IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONCENTRATIONS BELOW RECOMMENDED EXPOSURE LIMITS, AN APPROVED RESPIRATOR MUST BE WORN. RESPIRATOR TYPE: DUST. I F RESPIRATORS ARE USED, A PROGRAM SHOULD BE INSTITUTED TO ASSURE COMPLIANCE WITH OSHA STANDARD 29 CFR 1910.134. Ventilation: GOOD GENERAL VENTILATION (TYPICALLY 10 AIR CHANGES PER HOUR) SHOULD BE USED. VENTILATION RATES SHOULD BE MATCHED TO CONDITIONS. Protective Gloves:WEAR IMPERVIOUS GLOVES, BOOTS, AND PROTECTIVE CLOTHING FOR RISK OF EXPOSURE. Eye Protection: WEAR SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES) AND A FACE SHIELD. Other Protective Equipment:WEAR A FULL-FACE **RESPIRATOR, IF NEEDED. EYE** BATH, WASHING FACILITIES, SAFETY SHOWER Work Hygienic Practices:NOT PROVIDED Supplemental Safety and Health USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION, OR OTHER ENGINEERING CONTROLS TO MAINTAIN AIRBORNE LEVELS BELOW RECOMMENDED EXPOSURE LIMITS. HCC:T4 NRC/State Lic Num:NOT RELEVANT Boiling Pt:=286.1C, 547.F Melt/Freeze Pt:=170.C, 338.F Decomp Temp:Decomp Text:NOT PROVIDED Vapor

Appearance and Odor:WHITE (CRYSTAL) SOLID. ODOR: ODORLESS

Stability Indicator/Materials to Avoid:YES STRONG OXIDIZING AGENTS Stability Condition to Avoid:NOT PROVIDED H

Pres:(0.000018 MM HG)

Viscosity:NOT PROVIDED

Spec Gravity:(59F) (WATER = 1): 1.33

Solubility in Water:7% (MODERATE)

Corrosion Rate:NOT PROVIDED

Percent Volatiles by Volume:NEGLIGIBLE

Evaporation Rate & amp; Reference: NEGLIGIBLE

Vapor Density:3.8

pH:4.1-4.7 (5%)

azardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE

Toxicological Information:ACUTE TOXICITY DATA: ORAL LD-50 (HUMAN): 70-170 MG/KG (ESTIMATED). ORAL LD-50 (RAT): 400 MG/KG. INHALATION LC-50: NOT AVAILABLE DERMAL LD-50: >1000 MG/KG (HIGHEST DOSE TESTED) SKIN IRRITAT ION: SLIGHT SKIN SENSITIZATION: SLIGHT EYE IRRITATION: MODERATE

Ecological:HIGH BIOCHEMICAL OXYGEN DEMAND, A POTENTIAL TO CAUSE OXYGEN DEPLETION IN AQUEOUS SYSTEMS, A HIGH POTENTIAL TO AFFECT SOME AQUATIC ORGANISMS, A MODERATE POTENTIAL TO AFFECT SECONDARY WASTE TREATMENT MI CROBIAL METABOLISM, A MODERATE POTENTIALTO AFFECT GERMINATION OF SOME PLANTS, A MODERATE POTENTIAL TO AFFECT GROWTH OF SOME PLANT, A HIGH POTENTIAL TO BIODEGRADE, A HIGH POTENTIAL TO PHOTOCHEMICALLY O R CHEMICALLY DEGRADE, A LOW POTENTIAL TO BIOC

ONCENTRATE. AFTER DILUTION WITH A LARGE AMOUNT OF WATER, FOLLOWED BY SECONDARY WASTE TREATMENT, THIS MATERIAL IS NOT EXPECTED TO CAUSE ADVERSE ENVIRONMENT AL EFFECTS.

Waste Disposal Methods:DISCHARGE, TREATMENT, OR DISPOSAL MAY BE SUBJECT TO NATIONAL, STATE, OR LOCAL LAWS. INCINERATE. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUE, FOLLOW LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTIED.

\_\_\_\_\_

Transport Information:FOR TRANSPORTATION INFORMATION REGARDING THIS PRODUCT CALL THE KODAK WORLDWIDE TRANSPORTATION HAZMAT HOT LINE: (716) 722-2400 BETWEEN 8 A.M. AND 5 P.M. (EASTERN STANDARD TIME), MONDAY THROUGH FRIDAY.

SARA Title III Information:CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OR TITLE III OF THE SUPERFUND AMENDM

## ENTS AND REAUTHORIZATION ACT (SARA) OF 1986 AND 40 CFR PART 372: HYDROQUINONE Federal Regulatory Information:NOT PROVIDED State Regulatory Information:MATERIAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER: NONE - MATERIAL(S) KNOWN TO THE STATE OF CALIFORNIA TO CAUSE ADVERSE REPRODUCTIVE EFFECTS: NONE

Disclaimer (provided with this information by the compiling agencies): This information is formulate

d for use by elements of the Department

of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.