

EASTMAN KODAK COMPANY -- 872 9956,CONC,KODAK EKTACOLOR SM TANK STABILIZER/RA-2SM
-- 6750-01-443-3248

===== Product Identification =====

Product ID:872 9956,CONC,KODAK EKTACOLOR SM TANK STABILIZER/RA-2SM

MSDS Date:09/11/2000

FSC:6750

NIIN:01-443-3248

Status Code:A

MSDS Number: CKYDP

=== Responsible Party ===

Company Name:EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHESTER

State:NY

ZIP:146

50

Country:US

Info Phone Num:716-722-5151/(800) 242-2424

Emergency Phone Num:716 722-5151

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

===== Composition/Information on Ingredients =====

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Minumum % Wt:85.

Maxumum % Wt:90.

Ingred Name:POLY(VINYLPYRROLID

ONE)
CAS:9003-39-8
RTECS #:TR8160000
Minimum % Wt:1.
Maximum % Wt:5.

Ingredient Name:SODIUM ALKYL ETHER SULFATE
CAS:68585-34-2
Minimum % Wt:1.
Maximum % Wt:5.

Ingredient Name:SUBSTITUTED THIAZOLIN-3-ONE
Minimum % Wt:1.
Maximum % Wt:5.

Ingredient Name:MAGNESIUM NITRATE
CAS:10377-60-3
RTECS #:OM3750000
= Wt:1.

===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute

and Chronic:EFFECTS OF EXPOSURE: GENERAL: CONTAINS

MAGNESIUM NITRATE. UNDER SOME CIRCUMSTANCES METHEMOGLOBINEMIA MAY OCCUR WHEN NITRATES ARE CONVERTED BY BACTERIA IN THE STOMACH TO NITRITES. INHALATION: MIST OR VAPOR EXTREMELY IRRITATING. EYES: CAUSES SEVERE BURNS. MIST OR VAPOR EXTREMELY IRRITATING. SKIN: CAUSES IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION BASED ON HUMAN EXPERIENCE. INGESTION: HARMFUL IF SWALLOWED. MAY CAUSE BURNS OF THE GASTROINTESTINAL TR

ACT IF SWALLOWED.

Explanation of Carcinogenicity:CARCINOGENICITY CLASSIFICATION

(COMPONENTS PRESENT AT 0.1% OR MORE): - INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC): NONE - AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS (ACGIH): NONE - NATIONAL TOXICOLOGY PROGRAM (NTP): NONE - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA): NONE

Effects of Overexposure:EFFECTS OF EXPOSURE: GENERAL: CONTAINS

MAGNESIUM NITRATE. UNDER SOME CIRCUMSTANCES METHEMOGLOBINE

MIA MAY

OCCUR WHEN NITRATES ARE CONVERTED BY BACTERIA IN THE STOMACH TO NITRITES. INHALATION: MIST OR VAPOR EXTREMELY IRRITATING. EYES: CAUSES SEVERE BURNS. MIST OR VAPOR EXTREMELY IRRITATING. SKIN: CAUSES IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION BASED ON HUMAN EXPERIENCE. INGESTION: HARMFUL IF SWALLOWED. MAY CAUSE BURNS OF THE GASTROINTESTINAL TRACT IF SWALLOWED.

=====
First Aid Measures
=====

First Aid:INHALATION: MOVE TO FRESH AIR. TREAT SYMPTOMATICALLY. EYES: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. SKIN: IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. IF SKIN IRRITATION OR AN ALLERGIC SKIN REACTION DEVELOPS. WASH CONTAMINATED CLOTHING BEFORE REUSE. DESTROY OR THOROUGHLY CLEAN CONTAMINATED SHOES. INGESTION: DO NOT INDUCE VOMITING. GIVE VICTIM A GLASS OF WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. ALL ROUTES: IF SYMPTOMATIC, SEEK DOCTOR.

=====
Fire Fighting Measures
=====

Flash Point:NONE
Extinguishing Media:USE APPROPRIATE AGENT FOR ADJACENT FIRE.
Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING.
Unusual Fire/Explosion Hazard:NONE

=====
Accidental Release Measures
=====

Spill Release Procedures:FLUSH TO SEWER WITH LARGE AMOUNTS OF WATER. OTHERWISE, ABSORB SPILL WITH VERMICULITE OR OTHER INERT MATERIAL, THEN PLACE IN A CONTAINER FOR CHEMICAL WASTE. CLEAN SURFACE THOROUGHLY TO REMOVE RESIDUAL CONTAMINATION.

=====
Handling and Storage
=====

Handling and Storage Precautions:KEEP CONTAINER CLOSED.
Other Precautions:DO NOT BREATHE MIST OR VAPOR. DO NOT GET IN EYES AND AVOID CONTACT WITH SKIN AND CLOTHING. USE WITH ADEQUATE VENTILATION. W

ASH THOROUGHLY AFTER HANDLING.

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

Respiratory Protection:IF ENGINEERING CONTROLS DO NOT MAINTAIN AIRBORNE CONCENTRATIONS TO AN ACCEPTABLE LEVEL, AN APPROVED RESPIRATOR MUST BE WORN. RESPIRATOR TYPE: FULL-FACE POSITIVE-PRESSURE AIR-SUPPLIED. IF 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 AND PROTECTIVE CLOTHING APPROPRIATE FOR RISK OF EXPOSURE

Eye Protection:WEAR SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES) AND A FACE SHIELD.

Other Protective Equipment:IF A FULL-FACE RESPIRATOR IS NOT WORN, WEAR SAFETY GLASSES WITH SIDE SHIELDS (OR GOGGLES) AND A FACE SHIELD.

Work Hygienic Practices:EYE BATH, WASHING FACILITIES, SAFETY SHOWER

Supplemental Sa

fety and Health

USE PROCESS ENCLOSURES, LOCAL EXHAUST VENTILATION OR OTHER ENGINEERING CONTROLS TO MAINTAIN AIRBORNE LEVELS TO AN ACCEPTABLE LEVEL.

=====
===== Physical/Chemical Properties =====

HCC:C1

Boiling Pt:>100.C, 212.F

Vapor Pres:(68°F):23.4 MBAR MM HG

Vapor Density:0.6

Spec Gravity:1.028

pH:4.6

Solubility in Water:COMPLETE

Appearance and Odor:GREEN ODORLESS LIQUID.

Percent Volatiles by Volume:85-90 WT

=====
===== Stability and Reactivity Data =====

=====

Stability Indicator/Materials to Avoid:YES

NONE WITH COMMON MATERIALS AND CONTAMINANTS WITH WHICH THE MATERIAL MAY REASONABLY COME INTO CONTACT.

Stability Condition to Avoid:STABLE

Hazardous Decomposition Products:NONE (NONCOMBUSTIBLE)

Conditions to Avoid Polymerization:WILL NOT OCCUR.

=====
===== Toxicological Information =====

Toxicological Information:CONTAINS MAGNESIUM NITRATE. UNDER SOME CIRCUMSTANCES METHEMOGLOBINEMIA MAY OCCUR WHEN NITRATES ARE

CONVERTED BY BACTERIA IN THE STOMACH TO NITRITES. ACUTE TOXICITY DATA: SKIN IRRITATION- MODERATE. EYE IRRITATION- SEVERE.

===== Ecological Information =====

Ecological:THE FOLLOWING PROPERTIES ARE ESTIMATED: POTENTIAL TOXICITY-FISH LC50 MG/L: >100. DAPHNID EC50 MG/L: >100. ALGAL IC50 MG/L: >100. ORGANICS READILY DEGRADABLE (>70%): YES (7 DAYS). POTENTIAL BIOACCUMULATION: LOG POW 100. AFTER DILUTION WITH A LARGE AMOUNT OF WATER

R, FOLLOWED BY SECONDARY WASTE TREATMENT, THIS MATERIAL IS NOT EXPECTED TO CAUSE ADVERSE ENVIRONMENTAL EFFECTS.

===== Disposal Considerations =====

Waste Disposal Methods:DISCHARGE, TREATMENT, OR DISPOSAL MAY BE SUBJECT TO NATIONAL, STATE, OR LOCAL LAWS. FLUSH TO SEWER WITH LARGE AMOUNTS OF WATER. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUE, FOLLOW LABEL WARNINGS EVEN AFTER CONTAINER IS EMPTIED.

===== MSDS Transport Information =====

Transport Information:NOT REGULATED.

===== Regulatory Information =====

SARA Title III Information:CHEMICAL(S) SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OR TITLE III OF THE SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT (SARA) OF 1986 AND 40 CFR PART 372: NITRATE COMPOUNDS (WATER DISSOCIABLE)(MAGNESIUM NITRATE).

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.

===== Other Information =====

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

g this

document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.