

EASTMAN KODAK COMPANY -- 140 2767, WKG SOL, KODAK T-MAX DEVELOPER --  
6750-01-281-4599

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

Product ID:140 2767, WKG SOL, KODAK T-MAX DEVELOPER

MSDS Date:11/15/2000

FSC:6750

NIIN:01-281-4599

Status Code:A

MSDS Number: CLDCR

=== Responsible Party ===

Company Name:EASTMAN KODAK COMPANY

Address:343 STATE STREET

City:ROCHESTER

State:NY

ZIP:14650

Country:US

Info Phone Num:7

16-722-5151/(800) 242-2424

Emergency Phone Num:716 722-5151

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

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

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Minumum % Wt:85.

Maxumum % Wt:90.

Other REC Limits:NOT PROVIDED

Co

de:F  
Code:F

Ingred Name:DIETHANOLAMINE-SULFUR DIOXIDE COMPLEX  
CAS:63149-47-3  
Minumum % Wt:10.  
Maxumum % Wt:15.  
Other REC Limits:NOT PROVIDED  
OSHA PEL:NOT PROVIDED  
ACGIH TLV:NOT PROVIDED

Ingred Name:SODIUM BISULFITE  
CAS:7631-90-5  
RTECS #:VZ2000000  
&lt; Wt:1.  
Other REC Limits:NOT PROVIDED  
OSHA PEL:NOT PROVIDED  
ACGIH TLV:5 MG/M3  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:HYDROQUINONE  
CAS:123-31-9  
RTECS #:MX3500000  
&lt; Wt:1.  
Other REC Limits:NOT PROVIDED  
OSHA PEL:2 MG/M3  
ACGIH TLV:2 M  
G/M3  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:PENTETIC ACID, PENTASODIUM SALT  
CAS:140-01-2  
&lt; Wt:1.  
Other REC Limits:NOT PROVIDED  
OSHA PEL:NOT PROVIDED  
ACGIH TLV:NOT PROVIDED

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

LD50 LC50 Mixture:NOT PROVIDED  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:INHALATION: EXPECTED TO BE A LOW  
HAZARD FOR RECOMMENDED HANDLING. IN CONTACT WITH STRONG ACIDS OR IF  
HEATED, SULFITES MAY

LIBERATE SULFUR DIOXIDE GAS. SULFUR DIOXIDE GAS IS IRRITATING TO THE RESPIRATORY TRACT. SOME ASTHMATICS OR HYPERSENSITIVE INDIVIDUALS MAY EXPERIENCE DIFFICULT BREATHING. EYES: CAUSES IRRITATION. SKIN: MAY CAUSE ALLERGIC SKIN REACTION BASED ON HUMAN EXPERIENCE. INGESTION: HARMFUL IF SWALLOWED. SOME ASTHMATICS OR SULFITE-SENSITIVE INDIVIDUALS MAY EXPERIENCE WHEEZING, CHEST TIGHTNESS, STOMACH UPSET, HIVES, FAINTNESS, WEAKNESS AND DIARRHEA. MAY CAUSE BURNS OF THE GASTROINTESTINAL

TRACT IF SWALLOWED.

Explanation of Carcinogenicity:INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC): NONE - AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS (ACGIH): HYDROQUINONE, A3; ANIMAL CARCINOGEN WITH UNKNOWN RELEVANCE TO HUMANS. SODIUM BISULFITE, A4; NOT CLASSIFIABLE AS HUMAN CARCINOGEN.- NATIONAL TOXICOLOGY PROGRAM (NTP): NONE - OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA): NONE

Effects of Overexposure:INHALATION: IN CONTACT WITH STRONG ACIDS OR IF

HEATED, SULFITES MAY LIBERATE SULFUR DIOXIDE GAS. SULFUR DIOXIDE GAS IS IRRITATING TO THE RESPIRATORY TRACT. SOME ASTHMATICS OR HYPERSENSITIVE INDIVIDUALS MAY EXPERIENCE DIFFICULT BREATHING. EYES: CAUSES IRRITATION. SKIN: MAY CAUSE ALLERGIC SKIN REACTION BASED ON HUMAN EXPERIENCE. INGESTION: SOME ASTHMATICS OR SULFITE-SENSITIVE INDIVIDUALS MAY EXPERIENCE WHEEZING, CHEST TIGHTNESS, STOMACH UPSET, HIVES, FAINTNESS, WEAKNESS AND DIARRHEA.

MAY CAUSE BURNS OF THE GASTROINTESTINAL TRACT IF SWALLOWED.

Medical Condition Aggravated by Exposure:SOME ASTHMATICS, HYPERSENSITIVE OR SULFITE-SENSITIVE INDIVIDUALS MAY EXPERIENCE DIFFICULT BREATHING, WHEEZING, CHEST TIGHTNESS, STOMACH UPSET, HIVES, FAINTNESS, WEAKNESS AND DIARRHEA.

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

First Aid:INHALATION: IF SYMPTOMATIC, MOVE TO FRESH AIR. TREAT SYMPTOMATICALLY. GET MEDICAL ATTENTION IF SYMPTOMS PERSIST. EYES:

IMMEDIATELY FLUSH WITH WATER AT LEAST 15 MINUTES. GET MEDICAL ATTENTION. SKIN: IMMEDIATELY FLUSH WITH WATER AND WASH WITH NON-ALKALINE (ACID) SKIN CLEANER. REMOVE CONTAMINATED CLOTHING AND SHOES. IF SKIN IRRITATION OR ALLERGIC SKIN REACTION, GET MEDICAL ATTENTION. WASH CONTAMINATED CLOTHING BEFORE REUSE. DESTROY OR CLEAN CONTAMINATED SHOES. INGESTION: ONLY INDUCE VOMITING AT INSTRUCTION OF MEDICAL PERSONNEL. CALL PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY. NE

VER GIVE ANYTH ING BY MOUTH TO AN UNCONSCIOUS  
PERSON.

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

Flash Point:NONE

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE (CO2), DRY CHEMICAL,  
ALCOHOL FOAM

Fire Fighting Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND  
PROTECTIVE CLOTHING. FIRE OR EXCESSIVE HEAT MAY PRODUCE HAZARDOUS  
DECOMPOSITION PRODUCTS.

Unusual Fire/Explosion Hazard:NONE

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

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Spill Release Procedures:FLUSH TO SEWER WITH LARGE AMOUNT 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 C ONTAMINATION.

Neutralizing Agent:NOT PROVIDED

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

Handling and Storage Precautions:KEEP CONTAINER CLOSED. KEEP FROM  
CONTACT WITH OXIDIZING MATERIALS.

Other Precautions:AVOID BREATHING MIST  
OR VAPOR. AVOID CONTACT WITH

EYES, SKIN, AND CLOTHING. USE WITH ADEQUATE VENTILATION. WASH  
THOROUGHLY AFTER HANDLING. THE ROUTINE USE OF A NONALKALINE (ACID)  
TYPE OF HAND CLEANER AND REGULAR CLEANING OF WORKING SURFACES,  
GLOVES, ETC. WILL HELP MINIMIZE THE POSSIBILITY OF A SKIN  
REACTION.

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

Respiratory Protection:NONE SHOULD BE NEEDED. A RESPIRATOR SHOULD BE  
WORN IF HAZARDOUS DECOMPOSITION PRODUCTS ARE  
LIKELY TO BE OR HAVE

BEEN RELEASED. RESPIRATOR TYPE: ACID GAS. SEE STABILITY AND  
REACTIVITY SECTION. IF RESPI RATORS 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 SAF

ETY GLASSES WITH SIDE SHIELDS (OR GOGGLES).  
Other Protective Equipment:EYE BATH, SAFETY SHOWER, WASHING FACILITIES  
Work Hygienic Practices:NOT PROVIDED  
Supplemental Safety and Health  
ABBREVIATION: N/A = NOT APPLICABLE. N/AV = NOT AVAILABLE. N/K =  
UNKNOWN. N/P = NOT PROVIDED. N/R = NOT RELEVANT. N/D = NOT  
DETERMINED. N/E = NOT ESTABLISHED.

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

HCC:N1  
NRC/State Lic Num:NOT RELEVANT  
Boiling Pt:>100.C, 212.F  
Melt/Freeze Pt:M.  
P/F.P Text:NOT PROVIDED  
Decomp Temp:Decomp Text:NOT PROVIDED  
Vapor Pres:68F: 24 MBAR (18 MM HG)  
Vapor Density:0.6  
Spec Gravity:1.04-1.05  
pH:8.3-8.4  
Viscosity:NOT PROVIDED  
Evaporation Rate & Reference:NOT PROVIDED  
Solubility in Water:COMPLETE  
Appearance and Odor:COLORLESS LIQUID. ODOR: SLIGHT AMINE.  
Percent Volatiles by Volume:85-90 WT  
Corrosion Rate:NOT PROVIDED

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

Stability Indicator/Materials to Avoid:YES  
STRONG OXIDIZING A  
GENTS  
Stability Condition to Avoid:STABLE. MATERIALS CONTAINING SIMILAR  
STRUCTURAL GROUPS CAN DECOMPOSE IF HEATED ABOVE 145C (293F).  
Hazardous Decomposition Products:CARBON DIOXIDE, CARBON MONOXIDE,  
OXIDES OF NITROGEN, OXIDES OF SULFUR

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

Toxicological Information:EFFECTS OF EXPOSURE: GENERAL:  
CONTAINS: DIETHANOLAMINE-SULFUR DIOXIDE COMPLEX. MAY CAUSE KIDNEY  
DAMAGE BASED ON ANIMAL DATA. MAY CAUSE LIVER D

AMAGE BASED ON  
ANIMAL DATA.

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

Ecological:THE FOLLOWING PROPERTIES ARE ESTIMATED FROM THE COMPONENTS  
OF THE PREPARATIONS. POTENTIAL TOXICITY: FISH LC50 MG/L: 10-100.  
DAPHNID EC50 MG/L: 1-10. ALGAL IC50 MG/L: 10-100. ORGANICS  
READILY DE GRADABLE (>70%): YES (7 DAYS). POTENTIAL  
BIOACCUMULATION: LOG POW 10 0.

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

Waste Disposal Methods:DISC  
HARGE, 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 E VEN AFTER CONTAINER IS EMPTIED.

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

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. (EAS  
TERN STANDARD TIME),  
MONDAY THROUGH FRIDAY .

===== 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: 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

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

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