

MINNESOTA MINING & MFG CO -- MICROFILM DEVELOPER FOR P-74 PROCESSOR --  
6750-00-487-4199

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

Product ID:MICROFILM DEVELOPER FOR P-74 PROCESSOR

MSDS Date:12/19/1989

FSC:6750

NIIN:00-487-4199

MSDS Number: BMDRR

=== Responsible Party ===

Company Name:MINNESOTA MINING & MFG CO

Address:3M CTR

City:ST. PAUL

State:MN

ZIP:55144-1000

Country:US

Info Phone Num:612-733-1341

Emer

gency Phone Num:612-733-1110

CAGE:76381

=== Contractor Identification ===

Company Name:MINNESOTA MINING AND MFG CO, DBA 3M

Address:3M CENTER BLDG 224-5S-04

Box:City:SAINT PAUL

State:MN

ZIP:55144-1000

Country:US

Phone:866-556 5712 / 612-733-1110

CAGE:76381

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

Ingred Name:WATER

CAS:7732-18-5

RTECS #:ZC0110000

Fraction by Wt: 80-90%

Other REC Limits:NONE SPECIFIED

Ingred Name:SODIUM SULFITE

CAS:7757-83-7

RTECS #:WE2150000

Fractio

n by Wt: 1-10%  
Other REC Limits:NONE SPECIFIED

Ingred Name:HYDROQUINONE (SARA III)  
CAS:123-31-9  
RTECS #:MX3500000  
Fraction by Wt: 1-5%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:2 MG/M3  
ACGIH TLV:2 MG/M3; 9192  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:POTASSIUM HYDROXIDE (SARA III)  
CAS:1310-58-3  
RTECS #:TT2100000  
Fraction by Wt: 1-5%  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:C, 2 MG/M3  
ACGIH TLV:C 2 MG/M3; 9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

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

LD50 LC50 Mixture:LD50 (ORAL RAT) IS NOT ESTABLISHED.  
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:ACUTE: INHALATION: NO ADVERSE HEALTH EFFECTS ARE EXPECTED FOR THE WORKING SOLUTIONS. EYES: WORKING SOLUTIONS MAY CAUSE MILD EYE IRRITATION. SKIN: MAY CAUSE IRRITATION OR ALLERGIC REACTIONS. INGESTION: MAY CAUSE DIGESTIVE SYSTEM IRRITATION.SODIUM SULFITE  
CAN CAUSE SEVERE ASTHMATIC REACTIONS IN SENSITIVE INDIVIDUALS.  
Explanation of Carcinogenicity:NONE OF THE COMPOUNDS IN THIS PRODUCT IS LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.  
Effects of Overexposure:EYES: MAY CAUSE EYE IRRITATION. UNDILUTED DEVELOPER COULD CAUSE PERMANENT EYE DAMAGE.INHALATION:VAPORS COULD CAUSE RESPIRATORY IRRITATION. SKIN:COULD CAUSE ALLERGIC SKIN REACTION. INGESTION:MAY CAUSE DIGESTIVE SYSTEM IRRITATION.  
Medical Cond Aggravated by Exposure:MANUFACT

URER DOES NOT GIVE  
INFORMATION ON AGGRAVATED MEDICAL CONDITIONS BY EXPOSURE TO THIS  
MATERIAL.

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

First Aid:EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER FOR 10 MINUTES  
HOLDING EYELIDS OPEN. GET IMMEDIATE MEDICAL ATTENTION. SKIN: WASH  
AFFECTED AREA WITH SOAP AND WATER. INGESTION:DO NOT INDUCE  
VOMITING. GIVE N OTHING BY MOUTH IF UNCONSCIOUS. IMMEDIATELY GIVE  
TWO GLASSES OF MILK OR WATER. CALL A PHYSICIAN AT O  
NCE. NOTE:  
ALKALINE SOLUTION. TREAT ACCORDINGLY.

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

Flash Point:NONE  
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY  
CHEMICAL.  
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A  
FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED  
CONTAINERS WITH WATER SPRAY.  
Unusual Fire/Explosion Hazard:MANUFACTURE STATES NONE KNOWN.

===== Accidental Release Measure  
S =====

Spill Release Procedures:OBSERVE PRECAUTIONS LISTED IN OTHER SECTIONS.  
COLLECT SPILLED MATERIAL AND FLUSH AREA WITH WATER AS NECESSARY.  
Neutralizing Agent:SULFAMIC ACID, DILUTE HYDROCHLORIC ACID, SODIUM  
BISULFATE, OR VINEGAR.

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

Handling and Storage Precautions:PROTECT FROM FREEZING; AVOID EYE AND  
SKIN CONTACT. KEEP CONTAINER TIGHTLY CLOSED WHEN NOT IN USE.  
Other Precautions:DO NOT TAKE INTERNAL  
LY.

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

Respiratory Protection:MANUFACTURER STATES THAT DUE TO THE AQUEOUS  
NATURE OF THE PRODUCT AND THE LOW CONCENTRATIONS OF THESE CHEMICALS  
IN THE PRODUCT, THESE EFFECTS ARE NOT ANTICIPATED.  
Ventilation:MECHANICAL (GENERAL) ROOM VENTILATION IS NORMALLY ADEQUATE.  
Protective Gloves:IMPERVIOUS GLOVES.  
Eye Protection:SAFETY GOGGLES OR SAFETY GLASSES.  
Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.  
INDUSTR

IAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.

Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR FOOTWEAR.

Supplemental Safety and Health

DO NOT GET ON SKIN OR IN EYES. LAUNDER CONTAMINATED CLOTHING PRIOR TO REUSE.

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

HCC:N1

Boiling Pt:B.P. Text:212F,100C

Vapor Pres:1 @212F

Vapor Density:>1

Spec Gravity:1.1

pH:11

Solubility in Water:COMPLET

E

Appearance and Odor:CLEAR COLORLESS SOLUTION, ODORLESS.

Percent Volatiles by Volume:>80

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS.

Stability Condition to Avoid:ONE STATED BY MANUFACTURE.

Hazardous Decomposition Products:SULFUR DIOXIDE, SULFUR TRIOXIDE.

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

Waste Disposal Methods:CONSULT YOUR LOCAL ENVIRONMENTAL OFFICER.

INCINERATION IN A PERM

ITTED FACILITY CAPABLE OF MEETING APPLICABLE

REGULATORY REQUIREMENTS FOR DESTRUCTION AND REMOVAL IS PREFERRED.

IN MANY SITUATIONS, SANIT ARY SEWER DISPOSAL MAY BE PREFERRED.

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