

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

Product ID:1600 CHEM PAC MICROFILM FIXER

MSDS Date:02/06/1996

FSC:6850

NIIN:01-353-0949

MSDS Number: CBSMF

=== Responsible Party ===

Company Name:MINNESOTA MINING AND MFG CO

Address:3M CTR 224-2S-25

City:ST. PAUL

State:MN

ZIP:55144-1000

Country:US

Info Phone Num:612-733-1341/612-733-1110

Emergency Phone Num:612-733-1341

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: 55-70%

Other REC Limits:NONE RECOMMENDED

Ingred Name:AMMONIUM THIOSULFATE

CAS:7783-18-8

RTECS #:XN6465000

Fraction by Wt: 20-35%

Other REC Limits:NONE RECOMMEND

ED

Ingred Name:AMMONIUM BISULFITE (CERCLA)  
CAS:10192-30-0  
RTECS #:WT3595000  
Fraction by Wt: 1-8%  
Other REC Limits:NONE RECOMMENDED  
EPA Rpt Qty:5000 LBS  
DOT Rpt Qty:5000 LBS

Ingred Name:AMMONIUM HYDROXIDE (CERCLA)  
CAS:1336-21-6  
RTECS #:BQ9625000  
Fraction by Wt: 0.5-3.0%  
Other REC Limits:NONE RECOMMENDED  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:POTASSIUM IODIDE  
CAS:7681-11-0  
RTECS #:TT2975000  
Fraction by Wt: 212F,>100C  
Melt/Freeze Pt:M.P/F.P Text:NA  
Decomp Temp:Decomp Text:NP  
Vapor  
Pres:N/DETERMIN  
Vapor Density:N/DETERMIN  
Spec Gravity:1  
pH:7-9  
Viscosity:N/DETERMINE  
Evaporation Rate & Reference:1, WATER=1  
Solubility in Water:COMPLETE.  
Appearance and Odor:CLEAR COLORLESS SOLUTION, SLIGHT ODOR OF AMMONIA.  
Percent Volatiles by Volume:>70  
Corrosion Rate:NP

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

Stability Indicator/Materials to Avoid:YES  
STRONG ACIDS, STRONG BASES.  
Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER.  
Hazardous Decompos

ition Products:AMMONIA, SULFUR DIOXIDE.

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

Waste Disposal Methods:UNUSED FIXER CAN GENERALLY BE DISCHARGE TO  
WASTEWATER TREAT SYS.SINCE REG VARY CONSULT APLLCABLE  
REGS/AUTHORITIES PRIOR TO DISPO.WASTE FIXER CONTAINS >5MG/L  
SILVER-HAZ WASTE PER RCRA.SM QUANT GENERAT OR EXEMPTIONS MAY APPLY  
TO DISPO OF SPENT (SUPPLE)

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