

5/16/85

MATERIAL SAFETY DATA SHEET FOR  
0G8253000 - P 30 CHEMISTRY KIT

5 LT

PAGE 1 OF 3  
(3)-----  
SECTION I - IDENTIFICATION

PRODUCT NAME - P30 CHEMISTRY KIT FIXER  
SIZE - 5 LT FIXER  
FORMULA - AQUEOUS MIXTURE  
MANUFACTURER - ILFORD, INC. - W. 70 CENTURY ROAD - PARAMUS, NJ 07653  
FOR INFORMATION ON HEALTH HAZARDS - 914-478-3131 (PRODUCT MISUSE)  
FOR OTHER INFORMATION - 201-265-6000 INFORMATION ISSUANCE DATE - 6/20/84

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SECTION II - PRODUCT COMPOSITION AND HAZARD DATA

PRINCIPAL INGREDIENT(S)	% WGT OR VOL	TOXIC LEVEL (TLV)
AMMONIUM THIOSULFATE	40%	
N-METHYL PYRROLIDONE	< 9%	
POTASSIUM BISULFITE	< 5%	
POTASSIUM SULFITE	< 10%	
WATER	< 40%	

\* HAZARDOUS INGREDIENT(S)

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SECTION III - PHYSICAL DATA

BOILING POINT(C)	- > 212 F	VAPOR PRESSURE	- NOT KNOWN	MMHG
SPECIFIC GRAVITY(H2O=1)	- 1.272	VAPOR DENSITY(AIR=1)	- NOT APPLIC.	
SOLUBILITY IN WATER	- COMPLETE	EVAPORATION RATE	- SLOW	
MELTING POINT	- NOT APPL.	VOLATILE	- 40 %VOL	%WT

APPEARANCE AND ODOR - CLEAR LIQUID WITH SLIGHT SWEET ODOR.

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT/METHOD USED - NOT FLAMMABLE  
FLAMMABLE LIMITS: UPPER - NOT APPL. LOWER - NOT APPL.  
EXTINGUISHING MEDIA - USE MEDIA PROPER TO PRIMARY SOURCE OF FIRE.  
SPECIAL FIRE FIGHTING PROCEDURES - NONE

UNUSUAL FIRE AND EXPLOSION HAZARDS - NONE

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SECTION V - HEALTH HAZARD DATA

TOXIC LEVEL - NOT KNOWN  
EFFECTS OF OVER EXPOSURE  
ACUTE - MAY CAUSE MILD SKIN/EYE IRRITATION. MAY CAUSE NASAL IRRITATION. MAY CAUSE NASAL IRRITATION. IF INHALED, MAY CAUSE NASAL IRRITATION & SORE THROAT.  
CHRONIC - INGESTION: MAY CAUSE CATHARTIC EFFECT.

EMERGENCY/FIRST AID PROCEDURES - IF SWALLOWED: INDUCE VOMITING. IN CASE OF SKIN CONTACT: FLUSH THOROUGHLY WITH WATER. IN CASE OF EYE CONTACT: FLUSH THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES. CALL A PHYSICIAN. IF INHALED, REMOVE TO FRESH AIR. GIVE OXYGEN OR ARTIFICIAL RESPIRATION, IF NECESSARY.

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SECTION VI - REACTIVITY DATA

STABILITY: UNSTABLE- STABLE- X  
CONDITIONS TO AVOID - CONTACT OF BL & FX MAY CAUSE SO2 TO BE LIBERATED.\*  
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR- X WILL OCCUR-  
CONDITIONS TO AVOID - \*MAY PRODUCE IRRITATION OF MUCOUS MEMBRANCES, COUGH  
INCOMPATIBILITY - CONTACT WITH ACIDS.  
HAZARDOUS DECOMPOSITION PRODUCTS - SO2 MAY BE LIBERATED.

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SECTION VII - SPILL, LEAK AND DISPOSAL PROCEDURES

STEPS TO BE TAKEN IN CASE OF RELEASE OR SPILL - FLUSH WITH LARGE AMOUNTS OF  
WATER TO SANITARY SEWER, IF PRACTICE IS IN COMPLIANCE WITH LOCAL, STATE  
AND FEDERAL HEALTH AND ENVIRONMENTAL REGULATIONS.  
WASTE DISPOSAL METHOD - AFTER USE, COMBINE PROCESSING SOLUTIONS TO NEUTRALIZE  
AND RUN TO SEWER WITH PROCESSING WATER.

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SECTION VIII - SPECIAL PROTECTIVE INFORMATION

VENTILATION: LOCAL EXHAUST - USE WHEN ADDING & MIXING SOLUTIONS.  
MECHANICAL - YES  
PROTECTIVE GLOVES - RUBBER EYE PROTECTION - GOGGLES  
RESPIRATORY PROTECTION - OTHER -

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SECTION IX - SPECIAL PRECAUTIONS

HANDLING AND STORAGE - AVOID REPEATED OR PROLONGED CONTACT WITH SKIN,  
EYES OR CLOTHING. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER  
HANDLING.  
OTHER - CHEMICALS SHOULD BE STORED AT ROOM TEMP. IN WELL-SEALED GLASS OR POLY-  
ETHYLENE BOTTLES. STOCK SOLUTIONS WILL KEEP FOR SEVERAL MOS. STORED THIS WAY.

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SECTION X - ADDITIONAL INFORMATION

RECOMMENDED METHOD OF USE - REFER TO INSTRUCTION LEAFLET PACKAGED WITH PRODUCT.

ESSENTIAL LABELING - CONTAINS: N-METHYL PRYOLLIDONE AND AMMONIUM THIOSULFATE.  
MAY BE HARMFUL IF IN CONTACT WITH EYES, SKIN, OR IF SWALLOWED. IF SWALLOWED,  
INDUCE VOMITING. FLUSH EYES/SKIN 15 MINUTES W/ WATER. CALL PHYSICIAN.  
ECOLOGICAL DATA - COD:  
BOD5:

REMARKS - KEEP OUT OF THE REACH OF CHILDREN.

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SECTION XI - REQUIREMENTS FOR TRANSPORTATION

PACKAGING DESCRIPTION - 12 EA. 5 LT KITS PER MASTER SHIPPING CARTON

DOT HAZARD CLASSIFICATION - NONE

LABEL REQUIRED - NONE

DOT SHIPPING NAME - CHEMICALS - NOT

SHIPPING RESTRICTIONS - NONE

HAZARDOUS COMPONENT - PERCENT -

TYPE & SIZE OF PACKAGING CONTAINING HAZARDOUS COMPONENT -

INTL. AIR CLASSIFICATION - CHEMICALS - NOT

DOMESTIC AIR CLASSIFICATION - CHEMICALS - NOT

LABEL REQUIRED - NONE

SHIPPING RESTRICTIONS - NONE

TO OBTAIN ADDITIONAL DATA ON PACKAGING FOR SHIPMENT REFER  
TO THE CODE OF FEDERAL REGULATIONS - TITLE 49 OR ANY  
SUBSEQUENT UPDATING OF THIS DOCUMENT AND/OR YOUR CARRIER.

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THE HEALTH AND SAFETY OF EMPLOYEES AND CUSTOMERS.