

5/16/85

MATERIAL SAFETY DATA SHEET FOR
UG8253000 - P 30 CHEMISTRY KITPAGE 1 OF 3
5 LT (2A)-----
SECTION I - IDENTIFICATION

PRODUCT NAME - P30 CHEMISTRY KIT BLEACH PART A
SIZE - 5 LT
FORMULA - POWDER 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

SECTION II - PRODUCT COMPOSITION AND HAZARD DATA

PRINCIPAL INGREDIENT(S)	% WGT OR VOL	TOXIC LEVEL (TLV)
TOLUENESULFONIC ACID	> 92% WT.	
TRO-BENZENE SULFONATE	> 9%	

HAZARDOUS INGREDIENT(S)

SECTION III - PHYSICAL DATA

MELTING POINT(C)	- CA 140C	VAPOR PRESSURE	- 20 @ 284F	MMHG
SPECIFIC GRAVITY(H2O=1)	-	VAPOR DENSITY(AIR=1)	- CA 6	
SOLUBILITY IN WATER	- SOLUBLE	EVAPORATION RATE	- NOT KNOWN	
BOILING POINT	- CA 38C	VOLATILE	- 0 %VOL	%WT
APPEARANCE AND ODOR	- WHITE CRYSTAL.			

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 - NOT APPLICABLE

USUAL FIRE AND EXPLOSION HAZARDS - WHEN HEATED TO DECOMPOSITION EMITS HIGHLY TOXIC SULFUR DIOXIDE FUMES.

SECTION V - HEALTH HAZARD DATA

TOXIC LEVEL - NOT KNOWN. ANIMAL STUDIES SHOW MODERATE SYSTEMIC TOXICITY/IRRIT. EFFECTS OF OVER EXPOSURE
ACUTE - MAY CAUSE SKIN OR EYE IRRITATION. MAY BE HARMFUL IF SWALLOWED.
IF SWALLOWED, CALL A PHYSICIAN. DO NOT INDUCE VOMITING.
CHRONIC -

EMERGENCY/FIRST AID PROCEDURES - CONTACT WITH SKIN OR CLOTHING REQUIRES WASHING WITH SOAP & WATER AND TREATING AFFECTED AREA WITH BAKING SODA.
EYES: FLUSH THOROUGHLY WITH WATER FOR 15 MINUTES. CALL A PHYSICIAN.
IF SWALLOWED, DO NOT INDUCE VOMITING. CALL A PHYSICIAN AT ONCE.

SECTION VI - REACTIVITY DATA

STABILITY: UNSTABLE- X STABLE-
CONDITIONS TO AVOID - HEAT
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR- X WILL OCCUR-
CONDITIONS TO AVOID -
INCOMPATIBILITY - HEAT AND ACID OR ACID FUMES.
HAZARDOUS DECOMPOSITION PRODUCTS - EMIT HIGHLY TOXIC FUMES OF SULFUR DIOXIDE.

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.

BEST DISPOSAL METHOD - AFTER USE, COMBINE PROCESSING SOLUTIONS TO NEUTRALIZE
AND RUN TO SEWER WITH PROCESSING WATER.

SECTION VIII - SPECIAL PROTECTIVE INFORMATION

VENTILATION: LOCAL EXHAUST - ACCEPTABLE
MECHANICAL - YES, PREFERRED
PROTECTIVE GLOVES - RUBBER EYE PROTECTION - SAFETY GOGGLES
RESPIRATORY PROTECTION - FILT DUST MASK OTHER - VINYL APRON, FOOTWEAR
SUITABLE LAB CLOTHING.

SECTION IX - SPECIAL PRECAUTIONS

HANDLING AND STORAGE - AVOID REPEATED OR PROLONGED CONTACT WITH SKIN,
YES OR CLOTHING. USE WITH ADEQUATE VENTILATION. WASH THOROUGHLY AFTER
HANDLING. DO NOT BREATHE FUMES OR DUST FROM POWDER.
OTHER - STORE AT ROOM TEMP. IN WELL SEALED GLASS/POLYETHYLENE BOTTLES. STOCK
SOLUTIONS WILL KEEP FOR SEVERAL MONTHS IN TIGHTLY SEALED BOTTLES.

SECTION X - ADDITIONAL INFORMATION

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

SENTENTIAL LABELING - DANGER. CORROSIVE. CONTAINS P-TOLUENE SULFONIC ACID.
CAUSES BURNS. AVOID CONTACT WITH SKIN, EYES, CLOTHING AND IF SWALLOWED, DO
NOT INDUCE VOMITING. CALL PHYSICIAN. EYES: FLUSH W/WATER 15 MIN.
LOGICAL DATA - COD:
BOD5:

WARNINGS - KEEP OUT OF THE REACH OF CHILDREN.

SECTION XI - REQUIREMENTS FOR TRANSPORTATION

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

HAZARD CLASSIFICATION - NONE

HAZARD LABEL REQUIRED - NONE

SHIPMENT NAME - CHEMICALS - NOI

SHIPPING RESTRICTIONS - NONE

HAZARDOUS COMPONENT - PERCENT -

TYPE & SIZE OF PACKAGING CONTAINING HAZARDOUS COMPONENT -

TOXICITY AIR CLASSIFICATION - CHEMICALS - NOI

FLAMMABILITY AIR CLASSIFICATION - CHEMICALS - NOI

HAZARD 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.

MANUFACTURER'S STATEMENT -

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THE HEALTH AND SAFETY OF EMPLOYEES AND CUSTOMERS.