

5/16/85

MATERIAL SAFETY DATA SHEET FOR
469125965 - ILFOSPEED FIX 1PT CS 12PAGE 1 OF 3
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SECTION I - IDENTIFICATION

PRODUCT NAME - ILFOSPEED FIX 1 PT CS 12
SIZE - 1 PT
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 - 6/12/84

SECTION II - PRODUCT COMPOSITION AND HAZARD DATA

PRINCIPAL INGREDIENT(S)	% WGT OR VOL	TOXIC LEVEL (TLV)
ACETIC ACID	< 4%	10PPM / 25MG/M3
AMMONIUM THIOSULFATE	< 55%	
SODIUM SULFITE AND BISULFITE	< 5%	
TRICHLORIC ACID	< 5%	
WATER	35%	

HAZARDOUS INGREDIENT(S)

SECTION III - PHYSICAL DATA

BOILING POINT(C)	- > 212F	VAPOR PRESSURE	- NOT KNOWN	MMHG
SPECIFIC GRAVITY(H2O=1)	- 1.290	VAPOR DENSITY(AIR=1)	- NOT KNOWN	
SOLUBILITY IN WATER	- COMPLETE	EVAPORATION RATE	- SLOW	
FREEZING POINT	- NOT KNOWN	VOLATILE	- 35 %VOL	%WT
APPEARANCE AND ODOR	- SLIGHT AMMONIA AND VINEGAR ODOR.			

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 - NOT APPLICABLE

SECTION V - HEALTH HAZARD DATA

TOXIC LEVEL -
EFFECTS OF OVER EXPOSURE
ACUTE - MAY CAUSE SKIN OR EYE IRRITATION. MAY BE HARMFUL IF SWALLOWED.
CHRONIC - NOT KNOWN.

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.

SECTION VI - REACTIVITY DATA

STABILITY: UNSTABLE- STABLE- X
CONDITIONS TO AVOID -
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR- X WILL OCCUR-
CONDITIONS TO AVOID -
INCOMPATIBILITY - STRONG ACIDS.
HAZARDOUS DECOMPOSITION PRODUCTS - CONTACT W/ ACIDS PRODUCE TOXIC SO2 FUMES

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 - PROCESS EFFLUENT MAY RUN TO SEWER SYSTEM AFTER
SILVER RECOVERY.

SECTION VIII - SPECIAL PROTECTIVE INFORMATION

VENTILATION: LOCAL EXHAUST -
MECHANICAL - USE IN WELL VENTILATED AREA.
PROTECTIVE GLOVES - RUBBER EYE PROTECTION - GOGGLES
RESPIRATORY PROTECTION - OTHER -

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.
OTHER -

SECTION X - ADDITIONAL INFORMATION

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

SENTENTIAL LABELING - CAUTION: CHEMICALS IN THIS CONTAINER MAY BE HARMFUL IF
PLACED IN CONTACT WITH SKIN, EYES, CLOTHING OR IF SWALLOWED.

TOXICOLOGICAL DATA - COD: 51 G/L (DILUTED WITH WATER 1:3)
POD: 59 G/L (DILUTED WITH WATER 1:3)

MARKS -

SECTION XI - REQUIREMENTS FOR TRANSPORTATION

PACKAGING DESCRIPTION - 1 CARTON CONTAINING 12X16 OZ PLASTIC BOTTLES

HAZARD CLASSIFICATION - NONE

REL REQUIRED - NONE

SHIPPER'S NAME - CHEMICALS NOT

SHIPPING RESTRICTIONS - NONE

HAZARDOUS COMPONENT - PERCENT -

TYPE & SIZE OF PACKAGING CONTAINING HAZARDOUS COMPONENT -

TL. AIR CLASSIFICATION - CHEMICALS NOT

RESTRICTED AIR CLASSIFICATION - CHEMICALS NOT

REL 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 -

ILFORD, INC. BELIEVES THE INFORMATION AND RECOMMENDATIONS
CONTAINED HEREIN ARE BASED ON CORRECT AND FACTUAL DATA.
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TO INSURE THE PROPER USE AND DISPOSAL OF THIS PRODUCT AND
THE HEALTH AND SAFETY OF EMPLOYEES AND CUSTOMERS.