ITEM: 2C649 - Fluid Cutting 16 Oz
ORDER: 0029623423
LP NUMBER: U99
MATERIAL SAFETY DATA SHEET (MSDS)

This MSDS should be attached or kept with the respective product with which it is associated.

MATERIAL SAFETY DATA SHEET - A5893

Associated Grainger Item: 2C649
LPS(R)
LPS LABORATORIES
MSDS

SECTION 1 - PRODUCT IDENTIFICATION AND USE

MANUFACTURER'S NAME: LPS LABORATORIES
ADDRESS: 4417 HENH HOWELL ROAD
ADDRESS (CITY, STATE, ZIP): TUCKER, GA 30085-5052
TELEPHONE NUMBER: 770-934-7800
EMERGENCY TELEPHONE NUMBER: 1-800-424-9300 CHEMTREC
OUTSIDE U.S.: (703) 527-3887

TRADE NAME: LPS TAP EMATIC AQUACUT CUTTING FLUID
CHEMICAL FAMILY: BLENDED COMPOUND
PART NUMBERS: 01216, 01228, 01205, 01255
Hazardous Materials Description and Proper Shipping Name (49 CFR 172.101): COMPOUND, CUTTING, PREPARING LIQUID
NFPA 500093 SUB 2 REL/RES CL55
TSCA INVENTORY: ALL OF THE INGREDIENTS ARE LISTED ON THE TSCA INVENTORY.
HMIS LABELING:
HEALTH: 1
FLAMMABILITY: 0
REACTIVITY: 0

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

INGREDIENTS CAS NUMBERS % WT OSHA PEL ACGIH TLV OTHER LIMITS
AMMONIUM SALT OF ORGANIC PHOSPHATE ESTER (UNKNOW) 2-4 N.R. N.R. N.O.E.

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT (F DEG.): 212 DEG. F
SPECIFIC GRAVITY (H2O=1): 1.0
VAPOR PRESSURE (MMR): @ 100 DEG. F: 18
PERCENT VOLATILE BY VOLUME (%): 95
VAPOR DENSITY (AIR=1): APPROX. 0.6
EVAPORATION RATE (WATER=1): 1
SOLUBILITY IN WATER: 100%
APPEARANCE AND ODOR: CLEAR, TURQUOISE LIQUID WITH CINNAMON ODOR.

SECTION 4 - FIRE AND EXPLOSION HAZARD

FLASH POINT (METHOD USED): NONFLAMMABLE
FLAMMABILITY LIMITS (OF DILUENT):
LEL: N.A.
UEL: N.A.
EXTINGUISHING MEDIA: N.A.
SPECIAL FIRE FIGHTING PROCEDURES: NONE
UNUSUAL FIRE AND EXPLOSIVE HAZARDS: NONE

SECTION 5 - HEALTH HAZARD DATA

PRIMARY ROUTE(S) OF ENTRY: INHALATION, EYES
HEALTH HAZARD/EFFECTS OF OVER EXPOSURE:
INHALATION: HEADACHE, DISCOMFORT, AND NAUSEA.
EYES: LIQUID WILL CAUSE TEMPORARY IRRITATION.
SKIN: REPEATED OR PROLONGED CONTACT MAY CAUSE DRYING OF SKIN.
INGESTION: NOT A LIKELY ROUTE OF EXPOSURE. INGESTION MAY RESULT IN NAUSEA, ABOMINAL DISCOMFORT, OR DIARRHEA.

EMERGENCY AND FIRST AID PROCEDURES:
INHALATION: MOVE TO FRESH AIR AND PROVIDE OXYGEN IF NEEDED.
EYES: FLUSH EYES WITH PLENTY OF WATER. IF IRRITATION PERSISTS
SKIN: WASH WITH SOAP AND WATER; APPLY MEDICATED SKIN
INJURY: GIVE TWO GLASSES OF WATER AND INDOOR VOMITING IMMEDIATELY
TO BACK OF VICTIM'S THROAT. NEVER GIVE ANYTHING BY MOUTH.

SECTION 6 - REACTIVITY DATA

STABILITY: STABLE
CONDITIONS TO AVOID: NONE
INCOMPATIBILITY (MATERIALS TO AVOID): MAGNESIUM AND STEEL.
HAZARDOUS DECOMPOSITION PRODUCTS: CARBON MONOXIDE UP DECOMPOSITION.
HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPREED LEAKING CONTAINER AND CONTAIN SPILL. SOAP OR MOP MATERIAL AND DISCARD.
WASTE DISPOSAL METHODS:
DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL RCRA HAZARDOUS WASTE NO.: N.A.
CERCLA REPORTABLE QUANTITY: NONE
SARA TITLE III CHEMICALS: NONE
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: PRODUCT SHOULD BE STORED ABOVE 20 DEG. F AND BELOW 1 CONTAINERS CLOSED WHEN NOT IN USE.

SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION: NONE REQUIRED IF GOOD VENTILATION.
VENTILATION: LOCAL EXHAUST IS USUALLY ADEQUATE.
PROTECTIVE GLOVES: N.A.
EYE PROTECTION: SAFETY GLASSES.
OTHER PROTECTIVE EQUIPMENT: N.A.
WORK/Hygienic PRACTICES:
WASH HANDS WITH SOAP AND WATER AFTER USE AND/OR BEFORE THE END OF WORK PERIODS. REMOVE CONTAMINATED CLOTHING A BRIEFLY.

SECTION 9 - PREPARATION DATA OF MSD

THE FURNISHING TECHNICAL INFORMATION AND RECOMMENDATIONS SOURCES THAT ARE RELIABLE TO BE ACCURATE AND RELIABLE. SUPPLIED WITHOUT WARRANTY OR GUARANTEE OF ANY KIND THI EMD, THE PURCHASER IS RESPONSIBLE FOR SELECTION AND SIZEABILITY OF PRODUCTS FOR PURCHASER'S PARTICULAR MSD. RESPONSIBILITY FOR IMPROPER APPLICATIONS OR MISUSES OF 0 MANUFACTURER.
JANUARY 31, 2003
FRED FOUKHT, TECHNICAL SERVICES CHEMIST
ED WILLIAMS, MANAGER OF RESEARCH AND DEVELOPMENT
LPS LABORATORIES
ITW
FORM #: 2576
LPS TAP EMATIC AQUACUT CUTTING FLUID
N.E. = NOT ESTABLISHED
N.A. = NOT APPLICABLE