FOR TRANSPORTATION EMERGENCY CALL CHEM-TEL INC AT: 1(800)255-3524

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

TRADE NAME: STERL AYD

MANUFACTURER'S NAME: AN-FO MANUFACTURING COMPANY

ADDRESS (COMPLETE MAILING ADDRESS): 3129 ELMWOOD AVE.
P.O. BOX 7311 OAKLAND, CA 94601

PHONE NUMBER FOR ADDITIONAL INFORMATION: (510) 532-2275

DATE PREPARED OR REVISED: 3/92 NAME OF PREPARER: TJE

II. HAZARDOUS INGREDIENTS

CHEMICAL NAMES
N-ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDES

CAS NUMBERS
8001-54-5

PERCENT
10.2%

EXPOSURE LIMITS IN AIR (GIVE UNITS)

ACGIH TLV

OSHA PEL

OTHER (SPECIFY)

III. PHYSICAL PROPERTIES

VAPOR DENSITY (AIR=1) HEAVIER
Ph

SPECIFIC GRAVITY .98

SOLUBILITY IN WATER 100%

VAPOR PRESSURE, mmHg AT 20 C 44 mm

MELTING POINT OR RANGE, F 25 F
FIRST AID: EMERGENCY PROCEDURES

EYE CONTACT: WASH EYES WITH WATER FOR 15 MINUTES

SKIN CONTACT: WASH SKIN THOROUGHLY WITH SOAP AND WATER

INHALED: REMOVE TO FRESH AIR

SWALLOWED: DRINK LARGE QUANTITIES OF WATER, CALL PHYSICIAN

SUSPECTED CANCER AGENT?

× NO: THIS PRODUCT'S INGREDIENTS ARE NOT FOUND IN THE LISTS BELOW.

YES: ___ FEDERAL OSHA ___ NTP ___ IARC

CALIFORNIA EMPLOYERS USING CAL/OSHA REGULATED CARCINOGENS MUST REGISTER WITH CAL/OSHA. THE CAL/OSHA AND FEDERAL OSHA CARCINOGEN LISTS ARE SIMILAR.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

VI. REACTIVITY DATA

STABILITY: ___ X STABLE ___ UNSTABLE

CONDITIONS TO AVOID:

INCOMPATIBILITY (MATERIALS TO AVOID): STRONG OXIDIZING OR REDUCING AGENTS

HAZARDOUS DECOMPOSITION PRODUCTS (INCLUDING COMBUSTION PRODUCTS):

HAZARDOUS POLYMERIZATION: ___ MAY OCCUR ___ WILL NOT OCCUR

CONDITIONS TO AVOID:
BOILING POINT OR RANGE, F
173 F
EVAPORATION RATE (BUTYL ACETATE = 1)
FASTER
APPEARANCE AND ODOR CLEAR, STRAW COLORED LIQUID - MILD AMINE ODOR
HOW TO DETECT THIS SUBSTANCE (WARNING PROPERTIES OF SUBSTANCE AS A GAS, VAPOR, DUST OR MIST).

IV. FIRE AND EXPLOSION

FLASH POINT, F (GIVE METHOD)
100 F (TCC)
AUTO IGNITION TEMPERATURE, F
689 F
FLAMMABLE LIMITS IN AIR, VOLUME %: LOWER(LEL)_3.3 UPPER(UEL)_9.0

FIRE EXTINGUISHING MATERIALS:
_X_ WATER SPRAY  _X_ CARBON DIOXIDE  ___ OTHER:
___ FOAM  ___ DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES: MUST WEAR MSHA/NIOSH APPROVED SELF CONTAINED BREATHING APPARATUS.

UNUSUAL FIRE AND EXPLOSION HAZARDS: PRODUCTS OF COMBUSTION ARE TOXIC.

V. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVERTXPOSURE FOR EACH POTENTIAL ROUTE OF EXPOSURE.

INHALED: SOLVENT VAPORS OR MISTS OF PRODUCT CAN CAUSE IRRITATION OF MUCOUS MEMBRANES.

CONTACT WITH SKIN OR EYES: DIRECT EYE CONTACT CAN CAUSE SEVERE EYE DAMAGE. CORROSIVE.

ABSORBED THROUGH SKIN: REPEATED CONTACT CAN CAUSE SEVERE IRRITATION.

SWALLOWED: IMMEDIATE BURNING PAIN IN THE MOUTH, THROAT, ABDOMEN, AND SEVERE SWELLING OF THE LARYNX; SKELETAL MUSCLE PARALYSIS AFFECTING THE ABILITY TO BREATHE, CIRCULATORY SHOCK, CONVULSIONS, MAY BE FATAL.

HEALTH EFFECTS OR RISKS FROM EXPOSURE. EXPLAIN IN LAY TERMS. ATTACH EXTRA PAGE IF MORE SPACE IS NEEDED.

ACUTE:

CHRONIC:
VII. SPILL, LEAK, AND DISPOSAL PROCEDURES

SPILL RESPONSE PROCEDURES (INCLUDE EMPLOYEE PROTECTION MEASURES): WEAR MSHA/NIOSH APPROVED RESPIRATOR

PREPARING WASTES FOR DISPOSAL (CONTAINER TYPES, NEUTRALIZATION, ETC.):

NOTE: DISPOSE OF ALL WASTES IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

VIII. SPECIAL HANDLING INFORMATION

VENTILATION AND ENGINEERING CONTROLS: USE WITH ADEQUATE VENTILATION

RESPIRATORY PROTECTION (TYPE): NONE IS REQUIRED IF GOOD VENTILATION IS MAINTAINED

EYE PROTECTION (TYPE): SPLASH PROOF SAFETY GOGGLES

GLOVES (SPECIFY MATERIAL): RUBBER

OTHER CLOTHING AND EQUIPMENT: RUBBER APRON

WORK PRACTICES, HYGIENIC PRACTICES: NONE

OTHER HANDLING AND STORAGE REQUIREMENTS: MAXIMUM TEMPERATURE 140 F

PROTECTIVE MEASURES DURING MAINTENANCE OF CONTAMINATED EQUIPMENT: WASH EQUIPMENT WITH WATER.