

FOR TRANSPORTATION EMERGENCY CALL CHEM-TEL INC AT: 1(800)255-3924
MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

TRADE NAME: QUATRA-SAN

MANUFACTURER'S NAME: AN-FO MANUFACTURING COMPANY

ADDRESS (COMPLETE MAILING ADDRESS): 3129 ELMWOOD AVE.
OAKLAND, CA 94601

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

DATE PREPARED OR REVISES: 8/11

NAME OF PREPARER: CLR

II. HAZARDOUS INGREDIENTS

CHEMICAL NAMES

DIMETHYL BENZYL AMMONIUM AND DIALKYL DIMETHYL BENZYL AMMONIUM
CHLORIDES

CAS NUMBERS

8001-54-5

PERCENT

7.5%

EXPOSURE LIMITS IN AIR (GIVE UNITS)

ACGIH TLV

OSHA PEL

OTHER (SPECIFY)

III. PHYSICAL PROPERTIES

VAPOR DENSITY (AIR=1)

Not known

Ph

6.0 - 9.0

SPECIFIC GRAVITY

.99 @ 25 deg C

SOLUBILITY IN WATER

100%

VAPOR PRESSURE, mmHg AT 20 C

Not Known

MELTING POINT OR RANGE, F

Not Known

BOILING POINT OR RANGE, F

Not Known

EVAPORATION RATE (BUTYL ACETATE = 1)

Not Known

APPEARANCE AND ODOR CLEAR LIQUID - SLIGHTLY SWEET 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:

WATER SPRAY 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 OVEREXPOSURE 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.

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

ACUTE:

CHRONIC:

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: STABLE UNSTABLE

CONDITIONS TO AVOID:

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

HAZARDOUS DECOMPOSITION PRODUCTS (INCLUDING COMBUSTION PRODUCTS):

Thermal decomposition may produce toxic vapors/fumes of hydrogen
chloride, amines and other organic materials, and oxides of carbon and
nitrogen.

HAZARDOUS POLYMERIZATION: ___MAY OCCUR __X__WILL NOT OCCUR
CONDITIONS TO AVOID:
None Known

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.): Dispose of in compliance with all Federal, state and local regulations. Incineration is the preferred method.

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.

