ATTN: SAFETY DIRECTOR  
UNIVERSITY OF WISCONSIN WHITewater  
P O BOX 296  
WHITewater WI  53190-0296

DATE: 09/15/95  
CUST#: 523216  
PO#: UNF-61459

MATERIAL SAFETY DATA SHEET  
PAGE 1

SECTION 1.  -- -- -- -- -- -- CHEMICAL IDENTIFICATION  -- -- -- -- --

PRODUCT #:  14655-2  
NAME: BENZYLTRIETHYLMONIUM CHLORIDE, 99%

SECTION 2.  -- -- -- -- COMPOSITION/INFORMATION ON INGREDIENTS  -- --

CAS #: 156-37-1  
MF: C13H22ClN

SYNONYMS:  
BENZENEMETHANAMINUM, N,N,N-TRIETHYL-, CHLORIDE (9CI) *  
BENZYLTRIETHYLMONIUM CHLORIDE * TEDAC * N,N,N-  
TRIETHYLBENZENEMETHANAMINUM CHLORIDE * TRIETHYLBENZYLAMONIUM  
CHLORIDE *

SECTION 3.  -- -- -- -- HAZARDS IDENTIFICATION  -- -- -- --

LABEL PRECAUTIONARY STATEMENTS:  
IRRITANT  
IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.  
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF  
WATER AND SEEK MEDICAL ADVICE.  
WEAR SUITABLE GLOVES AND EYE/FACE PROTECTION.  
HYDROSCOPIC  
KEEP TIGHTLY CLOSED.

SECTION 4.  -- -- -- -- FIRST-AID MEASURES  -- -- -- --

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF  
WATER FOR AT LEAST 15 MINUTES.  
IN CASE OF CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS  
AMOUNTS OF WATER.  
IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL  
RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.  
IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS.  
CALL A PHYSICIAN.  
WASH CONTAMINATED CLOTHING BEFORE REUSE.

SECTION 5.  -- -- -- -- FIRE FIGHTING MEASURES  -- -- -- --

EXTINGUISHING MEDIA:  
WATER SPRAY  
CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM.

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MATERIAL SAFETY DATA SHEET

PRODUCT #: 146552
NAME: BENZYLTRIETHYLMAMMONIUM CHLORIDE, 99%

MF #: C13H22ClN

SPECIAL FIREFIGHTING PROCEDURES.
WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.
UNUSUAL FIRE AND EXPLOSIONS HAZARDS.
EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

SECTION 6.--------------- ACCIDENTAL RELEASE MEASURES-----------------
WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, RUBBER BOOTS AND HEAVY RUBBER GLOVES.
SHEEP UP, PLACE IN A BAG AND HOLD FOR WASTE DISPOSAL.
AVOID RAISING DUST.
VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

SECTION 7.----------------- HANDLING AND STORAGE-----------------
REFER TO SECTION 8.

SECTION 8.--------------- EXPOSURE CONTROLS/PERSONAL PROTECTION-----------------
CHEMICAL SAFETY GOGGLES.
COMPATIBLE CHEMICAL-RESISTANT GLOVES.
NIOSH/MSHA-APPROVED RESPIRATOR.
SAFETY SHOWER AND EYE BATH.
MECHANICAL EXHAUST REQUIRED.
DO NOT BREATHE DUST.
AVOID CONTACT WITH EYES, SKIN AND CLOTHING.
WASH THOROUGHLY AFTER HANDLING.
IRRITANT.
KEEP TIGHTLY CLOSED.
HYGROSCOPIC.
STORE IN A COOL DRY PLACE.

SECTION 9.--------------- PHYSICAL AND CHEMICAL PROPERTIES-----------------

APPEARANCE AND ODOR

CONTINUED ON NEXT PAGE
WHITE CRYSTALLINE POWDER
MELTING POINT: 135 C (DEC)

SECTION 10. STABILITY AND REACTIVITY

INCOMPATIBILITIES
STRONG OXIDIZING AGENTS
HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
TOXIC FUMES OF:
CARBON MONOXIDE, CARBON DIOXIDE
NITROGEN OXIDES
HYDROGEN CHLORIDE GAS

SECTION 11. TOXICOLOGICAL INFORMATION

ACUTE EFFECTS
MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION.
CAUSES EYE AND SKIN IRRITATION.
MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT.
TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND
TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.

RTECS NO: B00275000
AMMONIUM, BENZYLTRIETHYLAMMONIUM CHLORIDE

TOXICITY DATA
IV (4H-1)LD50: 19 MG/KG

ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES
(RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

SECTION 12. ECOLOGICAL INFORMATION

DATA NOT YET AVAILABLE.

SECTION 13. DISPOSAL CONSIDERATIONS

DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A
CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER.

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MATERIAL SAFETY DATA SHEET

PRODUCT #: 146552  NAME: BENZYLTRIETHYLAMMONIUM CHLORIDE, 99%
MF: C13H22ClN

OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. TRANSPORT INFORMATION
CONTACT ALDRICH CHEMICAL COMPANY FOR TRANSPORTATION INFORMATION.

SECTION 15. REGULATORY INFORMATION
REVIEWS, STANDARDS, AND REGULATIONS
EPA TSCA SECTION 8(b) CHEMICAL INVENTORY

SECTION 16. OTHER INFORMATION

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