

SIGMA-AL

ALDRICH CHEMICAL COMPANY, INC. P.O. BOX 355 MILWAUKEE, WISCONSIN 53201, USA

ATTN: SAFETY DIRECTOR UNIVERSITY OF NEVADA/RENO

CHARLIE FONG SAFETY AND LOSS CONTROL ARTEMSIA BUILDING RENO NV 89557

EMERGENCY PHONE 1-414-273-3850 'E 06/24/96 CUST#: 351253 PO#: 1CHE041881

SHEET

- - - - CHEMICAL IDENTIFICATION - -SECTION 1. - - -CATALOG #: T1952-6 TETRAMETHYLAMMONIUM CHLORIDE, 97% NAME: SECTION 2. - - - - COMPOSITION/INFORMATION ON INGREDIENTS - -CAS #: 75 MF: C4H12CLN EC NO: 200-75-57-0 200-880-8 SYNONYMS METHANAMINIUM, N,N,N-TRIMETHYL-, CHLORIDE (9CI) * TETRAMETHYLAMMONIUM CHLORIDE * N,N,N-TRIMETHYLMETHANAMINIUM CHLORIDE * USAF AN-8 * SECTION 3. - - - -- - - - HAZARDS IDENTIFICATION - -LABEL PRECAUTIONARY STATEMENTS
HIGHLY TOXIC (USA DEFINITION)
TOXIC (EUROPEAN DEFINITION)
TOXIC (EUROPEAN DEFINITION)
TOXIC BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.
IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.
IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.
DO NOT BREATHE DUST.
HYGROSCOPIC
KEEP TIGHTLY CLOSED. SECTION 4. - - - - - - - FIRST-AID MEASURES- - - - -IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES OR SKIN WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES.
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. - - - FIRE FIGHTING MEASURES - -SECTION 5. - - - - -EXTINGUISHING MEDIA CARBON DIOXIDE. DRY CHEMICAL POWDER. CONTINUED ON NEXT PAGE

MATERIAL SAFETY DATA

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CATALOG #: T1952-6 TĒTRĀMĒTHYLAMMONIUM CHLORIDE, 97% NAME: WATER SPRAY. 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- - -EVACUATE AREA. WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES.
SWEEP 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- - - - -WEAR APPROPRIATE NIOSH/MSHA-APPROVED RESPIRATOR, CHEMICAL-RESISTANT GLOVES, SAFETY GOGGLES, OTHER PROTECTIVE CLOTHING.
SAFETY SHOWER AND EYE BATH.
USE ONLY IN A CHEMICAL FUME HOOD.
DO NOT BREATHE DUST.
AVOID CONTACT WITH EYES, SKIN AND CLOTHING.
AVOID PROLONGED OR REPEATED EXPOSURE.
WASH THOROUGHLY AFTER HANDLING.
HIGHLY TOXIC.
LIRITANT IRRITANT.
KEEP TIGHTLY CLOSED.
STORE IN A COOL DRY PLACE. SECTION 9. - - - - - - PHYSICAL AND CHEMICAL PROPERTIES - - -APPEARANCE AND ODOR WHITE CRYSTALS PHYSICAL PROPERTIES MELTING POINT: >300 C SECTION 10. - - - -- - - -STABILITY AND REACTIVITY - -INCOMPATIBILITIES STRONG OXIDIZING AGENTS HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

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CATALOG #: T19	952-6 FRAMETHYLAMMONIUM CHLORIDE, 97%
CARBON MONOXIDE, CARBON I NITROGEN OXIDES HYDROGEN CHLORIDE GAS	DIOXIDE
SECTION 11	- TOXICOLOGICAL INFORMATION
CAUSES EYE AND SKIN IRRIT MATERIAL IS IRRITATING TO RESPIRATORY TRACT	SWALLOWED, OR ABSORBED THROUGH SKIN. FATION. MUCOUS MEMBRANES AND UPPER EDGE, THE CHEMICAL, PHYSICAL, AND HAVE NOT BEEN THOROUGHLY INVESTIGATED.
RTECS #: BS7700000 AMMONIUM, TETRAMETHYL-, (CHLORIDE
TOXICITY DATA IPR-MUS LD50:25 MG/KG SCU-MUS LD50:40 MG/KG	NTIS** AD414-344 NTIS** ORNL-5576
BEHAVIORAL (CONVULSIONS (SATION (FLACCID PARALYSIS WITHOUT ANESTHESIA) OR EFFECT ON SEIZURE THRESHOLD) T CHARACTERIZED IN AUTONOMIC SECTION) TION (DYSPNAE) TION (OTHER CHANGES)
ADDITIONAL INFORMATION ORAL-RAT LD50: 50 MG/KG. ONLY SELECTED REGISTRY OF ACTION OF THE COMPLETE INFORMATION.	F TOXIC EFFECTS OF CHEMICAL SUBSTANCES D HERE. SEE ACTUAL ENTRY IN RTECS FOR
SECTION 12	- ECOLOGICAL INFORMATION
DATA NOT YET AVAILABLE.	
SECTION 13	- DISPOSAL CONSIDERATIONS
DISSOLVE OR MIX THE MATE: CHEMICAL INCINERATOR EQU OBSERVE ALL FEDERAL, STA	RIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A IPPED WITH AN AFTERBURNER AND SCRUBBER. TE AND LOCAL ENVIRONMENTAL REGULATIONS.
SECTION 14	TRANSPORT INFORMATION
	COMPANY FOR TRANSPORTATION INFORMATION.
SECTION 15	- REGULATORY INFORMATION
	CONTINUED ON NEXT PAGE
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CATALOG #: NAME:

T1952-6 TĒTŘĀMĚTHYLAMMONIUM CHLORIDE, 97%

EUROPEAN INFORMATION

TOXIC
R 23/24/25
R 23/24/25
TOXIC BY INHALATION, IN CONTACT WITH SKIN AND IF SWALLOWED.
R 36/37/38
IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

IN CASE OF ACCIDENT OR IF YOU FEEL UNWELL, SEEK MEDICAL ADVICE IMMEDIATELY (SHOW THE LABEL WHERE POSSIBLE).

S 26
IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.
S 36/37/39
WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE

DO NOT BREATHE DUST.

REVIEWS, STANDARDS, AND REGULATIONS

OEL=MAK NOES 1983: HZD X4596; NIS 2; TNF 41; NOS 2; TNE 2840; TFE 1777 EPA TSCA SECTION 8(B) CHEMICAL INVENTORY EPA TSCA SECTION 8(D) UNPUBLISHED HEALTH/SAFETY STUDIES EPA TSCA TEST SUBMISSION (TSCATS) DATA BASE, APRIL 1996

SECTION 16. - - -- - - OTHER INFORMATION- - -

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