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MATERIAL SAFETY DATA SHEET:
ETHYLENEDIAMINETETRAACETATE (EDTA), DISODIUM, DIHYDRATE
CATALOG NUMBER: AB00500

SECTION I - CHEMICAL IDENTIFICATION

NAME: ETHYLENEDIAMINETETRAACETIC ACID DISODIUM DIHYDRATE

SECTION II - COMPOSITION/INFORMATION ON INGREDIENTS

CAS: 6381-92-6

MF: C10H14N2NA2O8

SYNONYMS:

CHELADRATE * CHELAPLEX III * CHELATON III * COMPLEXON III * E.D.T.A. DISODIQUE (FRENCH) * DINATRIUM ETHYLENDIAMINTETRAACETAT (CZECH) * DISODIUM DIACID ETHYLENEDIAMINETETRAACETATE * DISODIUM DIHYDROGEN ETHYLENEDIAMINETETRAACETATE * DISODIUM DIHYDROGEN(ETHYLENEDINITRILO) TETRAACETATE * DISODIUM EDATHAMIL * DISODIUM EDETATE * DISODIUM EDTA * DISODIUM ETHYLENEDIAMINETETRAACETATE * DISODIUM ETHYLENEDIAMINETETRAACETIC ACID * DISODIUM (ETHYLENEDINITRILO) TETRAACETATE * DISODIUM (ETHYLENEDINITRILO)TETRAACETIC ACID * DISODIUM SALT OF EDTA * DISODIUM SEQUESTRENE * DISODIUM TETRACEMATE * DISODIUM VERSENATE * DISODIUM VERSENE * DOTITE 2NA * EDATHAMIL DISODIUM * EDETATE DISODIUM * EDETIC ACID DISODIUM SALT * EDTA DISODIUM * ENDRATE DISODIUM * N,N'-1,2-ETHANEDIYLBIS(N-(CARBOXYMETHYL) GLYCINE) DISODIUM SALT * ETHYLENEBIS(IMINODIACETIC ACID) DISODIUM SALT *ETHYLENEDIAMINETETRAACETATE, DISODIUM SALT * ETHYLENEDIAMINETETRAACETIC ACID, DISODIUM SALT * (ETHYLENEDINITRILO)- TETRAACETIC ACID DISODIUM SALT * F 1 (COMPLEXON) * GLYCINE, N,N'-1,2- ETHANEDIYLBIS(N-(CARBOXYMETHYL)-, DISODIUM SALT (9CI) * KIRESUTO B * KOMPLEXON III * METAQUEST B * PERMA KLEER 50 CRYSTALS DISODIUM SALT * PERMA KLEER DI CRYSTALS * SELEKTON B 2 * SEQUESTRENE SODIUM 2 * SODIUM VERSENATE * TETRACEMATE DISODIUM * TITRIPLEX III * TRILON BD * TRIPLEX III * VERESENE DISODIUM SALT * VERSENE SODIUM 2 *

SECTION III - 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 PROTECTIVE CLOTHING.

SECTION IV - FIRST-AID MEASURES

IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN. IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. IN CASE OF

CONTACT, IMMEDIATELY WASH SKIN WITH SOAP AND COPIOUS AMOUNTS OF WATER. IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MINUTES.

SECTION V - FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA WATER SPRAY. CARBON DIOXIDE, DRY CHEMICAL POWDER OR APPROPRIATE FOAM. 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 VI - ACCIDENTAL RELEASE MEASURES

WEAR RESPIRATOR, CHEMICAL SAFETY GOGGLES, 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 VII - HANDLING AND STORAGE

REFER TO SECTION VIII.

SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

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

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: SOLID.
PHYSICAL PROPERTIES MELTING POINT: 248 C
SOLUBILITY: WATER PH: 4.0 - 5.5

SECTION X - STABILITY AND REACTIVITY

STABILITY STABLE. INCOMPATIBILITIES STRONG OXIDIZING AGENTS HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS CARBON MONOXIDE, CARBON DIOXIDE NITROGEN OXIDES HAZARDOUS POLYMERIZATION WILL NOT OCCUR.

SECTION XI - TOXICOLOGICAL INFORMATION

ACUTE EFFECTS CAUSES SKIN IRRITATION. MAY BE HARMFUL IF ABSORBED THROUGH THE SKIN. CAUSES EYE IRRITATION. MAY BE HARMFUL IF INHALED. MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. MAY BE HARMFUL IF SWALLOWED. TO THE BEST OF OUR KNOWLEDGE, THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGHLY INVESTIGATED.
RTECS #: AH4375000 ACETIC ACID, (ETHYLENEDINITRIL)TETRA-, DISODIUM SALT
TOXICITY DATA ORL-RAT LD50:2 GM/KG FEPR7 27,465,1968 ORL-MUS LD50:2050 MG/KG NYKZAU 52,126S,1956 IPR-MUS LD50:260 MG/KG NYKZAU 52,126S,1956 IVN-MUS LD50:56 MG/KG CSLNX* NX#03781 ORL-RBT LD50:2300 MG/KG NYKZAU 52,113,1956 IVN-RBT LD50:47 MG/KG NYKZAU 52,113,1956 TARGET ORGAN DATA BEHAVIORAL (CONVULSIONS OR EFFECT ON SEIZURE THRESHOLD) EFFECTS ON FERTILITY (POST-IMPLANTATION MORTALITY) ONLY SELECTED REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES (RTECS) DATA IS PRESENTED HERE. SEE ACTUAL ENTRY IN RTECS FOR COMPLETE INFORMATION.

SECTION XII - DISPOSAL CONSIDERATIONS

CONTACT A LICENSED PROFESSIONAL WASTE DISPOSAL SERVICE TO DISPOSE OF THIS MATERIAL. DISSOLVE OR MIX THE MATERIAL WITH A COMBUSTIBLE SOLVENT AND BURN IN A CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER. OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION XIII - REGULATORY INFORMATION

EUROPEAN INFORMATION CAUTION: SUBSTANCE NOT YET FULLY TESTED. IRRITANT R 36/37/38 IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN. 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 PROTECTION. REVIEWS, STANDARDS, AND REGULATIONS OEL=MAK EPA FIFRA 1988 PESTICIDE SUBJECT TO REGISTRATION OR RE-REGISTRATION FEREAC 54,7740,1989 NOHS 1974: HZD 83643; NIS 45; TNF 5010; NOS 47; TNE 43360 NOES 1983: HZD 83643; NIS 62; TNF 8199; NOS 69; TNE 106998; TFE 62467 EPA GENETOX PROGRAM 1988, NEGATIVE: HISTIDINE REVERSION-AMES TEST EPA TSCA SECTION 8(B) CHEMICAL INVENTORY

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