MATERIAL SAFETY DATA SHEET

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

CATALOG #: IB70180 & IB70182
NAME: EDTA DISODIUM DIHYDRATE
CAS#: 6381-92-6

SECTION 2. - - - - - - - - - - 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.

HMIS:	NFPA:
H: 1	H: 2
F: 1	F: 0
R: 0	R: 0
PE: E	SH: N/A

SECTION 3. - - - - - COMPOSITION/INFORMATION ON INGREDIENTS - - - - - -

CHEMICAL NAME:	CAS#:	RTECS #:	EINECS#
EDTA	6381-92-6	AH4375000	200-449-4

FOR MORE INFORMATION SEE COMPLETE RTECS ENTRY.
MF: $C_{10}H_{14}N_2Na_2O_8$
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 EDETATE * DISODIUM EDTA *DISODIUM ETHYLENEDIAMINETETRAACETATE * 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 * 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 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.
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, BOOTS AND HEAVY 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- - - - - - - - - - -

DO NOT BREATHE DUST.
DO NOT GET IN EYES, ON SKIN, ON CLOTHING.
WASH THOROUGHLY AFTER HANDLING.
KEEP TIGHTLY CLOSED.
STORE IN A COOL DRY PLACE.
STORE AT ROOM TEMPERATURE.

SECTION 8. - - - - - - EXPOSURE CONTROLS/PERSONAL PROTECTION- - - - - -

CHEMICAL SAFETY GOGGLES.
RUBBER GLOVES.
NIOSH/MSHA-APPROVED RESPIRATOR.
SAFETY SHOWER AND EYE BATH.
MECHANICAL EXHAUST RECOMMENDED.

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

APPEARANCE
SOLID.

SECTION 10. - - - - - - - - -STABILITY AND REACTIVITY - - - - - - - - -

STABILITY
STABLE.
INCOMPATIBILITIES
STRONG OXIDIZING AGENTS

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS
TOXIC FUMES OF:
CARBON MONOXIDE, CARBON DIOXIDE
NITROGEN OXIDES
HAZARDOUS POLYMERIZATION
WILL NOT OCCUR.

SECTION 11. - - - - - - - - - TOXICOLOGICAL INFORMATION - - - - - - - -

ACUTE EFFECTS
MAY BE HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH THE SKIN.
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 #: AH4375000
ACETIC ACID, (ETHYLENEDINITRILO)TETRA-, DISODIUM SALT
TOXICITY DATA

ORL-RAT LD50:2 GM/KG	FEPRA7 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 12. - - - - - - - - - ECOLOGICAL INFORMATION - - - - - - - - - -

DATA NOT YET AVAILABLE.

SECTION 13. - - - - - - - - - DISPOSAL CONSIDERATIONS - - - - - - - - -

OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. - - - - - - - - - - TRANSPORT INFORMATION - - - - - - - - -

NOT REGULATED.

SECTION 15. - - - - - - - - - REGULATORY INFORMATION - - - - - - - - - -

EUROPEAN INFORMATION
CAUTION: SUBSTANCE NOT YET FULLY TESTED.
IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

Irritant (**Xi**)

R: 36/37/38
WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES AND EYE/FACE PROTECTION.
S: 36/37/39
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

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

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