

PRODUCT NUMBER: EA-TD01

PRODUCT NAME: ETHYLENEDIAMINETETRAACETIC ACID, +99.0%

WEIFANG BINHAI PETRO-CHEM CHEM CO., LTD.
HANTING OCEAN CHEMICAL AREA, WEIFANG CITY,
SHANDONG PROVINCE, P. R. CHINA

MATERIAL SAFETY DATA SHEET

*** SECTION 1. CHEMICAL IDENTIFICATION ***

CATALOG #: EA-TD01

NAME: ETHYLENEDIAMINETETRAACETIC ACID

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

CAS #: 60-00-4

MF: $C_{10}H_{16}N_2O_8$

EC NO: 200-449-4

SYNONYMS

([2-(BIS-CARBOXYMETHYL-AMINO)-ETHYL]-CARBOXYMETHYL-AMINO)-ACETIC ACID;
(ETHYLENEDINITRILO) TETRA-ACETIC ACID; (ETHYLENEDINTRILO) TETRAACETIC ACID;
{[2-(BIS-CARBOXYMETHYL-AMINO)-ETHYL]-CARBOXYMETHYL-AMINO}-ACETIC ACID;
2, 2', 2'', 2'''-(1, 2-ETHANEDIYLDINITRILO) TETRAKIS-ACETIC ACID;
3, 6-BIS(CARBOXYMETHYL)-6-DIAZAOCTANEDIOIC ACID; 3, 6-DIAZAOCTANEDIOIC ACID,
3, 6-BIS(CARBOXYMETHYL)-; ACETIC ACID, (ETHYLENEDINITRILO) TETRA-

COMPANY IDENTIFICATION:

WEIFANG BINHAI PETRO-CHEM CHEM CO., LTD.
HANTING OCEAN CHEMICAL AREA, WEIFANG CITY,
SHANDONG PROVINCE, P. R. CHINA

EMERGENCY TELEPHONE NO. : 0086-536-2205110

*** 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 PROTECTIVE CLOTHING.

*** SECTION 4. 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 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, RUBBER BOOTS AND HEAVY RUBBER GLOVES.

ABSORB ON SAND OR VERMICULITE AND PLACE IN CLOSED CONTAINERS FOR DISPOSAL.

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 *****

MECHANICAL EXHAUST REQUIRED.

SAFETY SHOWER AND EYE BATH.

WASH THOROUGHLY AFTER HANDLING.

DO NOT BREATHE VAPOR.

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 9. PHYSICAL AND CHEMICAL PROPERTIES *****

APPEARANCE AND ODOR

LIQUID.

PHYSICAL PROPERTIES

BOILING POINT: N/A

MELTING POINT: 240-241 °C

FLASHPOINT N/A

VAPOR PRESSURE: N/A

SPECIFIC GRAVITY: 0.86

VAPOR DENSITY: N/A

REFRACTIVE INDEX N20/D 1.363

***** SECTION 10. STABILITY AND REACTIVITY *****

STABILITY

STABLE.

INCOMPATIBILITIES

ACIDS

BASES

OXIDIZING AGENTS

REDUCING AGENTS

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

CARBON MONOXIDE, CARBON DIOXIDE

HAZARDOUS POLYMERIZATION

WILL NOT OCCUR.

***** SECTION 11. 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 #: AH4025000

IRRITATION DATA

TOXICITY DATA

ORL-MUS LC50:0.25G/KG

ORL-MUS LD50:0.39G/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 *****

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 14. TRANSPORT INFORMATION *****

THE GOODS ARE FIT FOR SEA, LAND-ROADS/RAILWAY AND INLAND WATER WAYS, AND THE GOODS ARE NOT DANGEROUS FOR DOCKS.

IMO

PROPER SHIPPING NAME: NONE

NON-HAZARDOUS FOR TRANSPORT: THIS SUBSTANCE IS CONSIDERED TO BE NON-HAZARDOUS FOR

TRANSPORT.

IATA

NON-HAZARDOUS FOR TRANSPORT: THIS SUBSTANCE IS CONSIDERED TO BE NON-HAZARDOUS FOR TRANSPORT.

***** SECTION 15. REGULATORY INFORMATION ****

EUROPEAN INFORMATION

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.

S37/39:

WEAR SUITABLE GLOVES AND EYE/FACE PROTECTION

***** SECTION 16. OTHER INFORMATION *****

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE. **WEIFANG BINHAI PETRO-CHEM CO., LTD.** SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT. SEE REVERSE SIDE OF INVOICE OR PACKING SLIP FOR ADDITIONAL TERMS AND CONDITIONS OF SALE.

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