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MATERIAL SAFETY DATA SHEET (MSDS)

ETHYLENE DIAMINE TETRA ACETIC ACID DIPOTASSIUM SALT AR (EDTA DIPOTASSIUM SALT)

1. PRODUCT IDENTIFICATION

Synonyms: Edetate Dipotassium

CAS No.: 2001-94-7 (Anhydrous); 25102-12-9 (Dihydrate)

Product Code: E0093600500

Molecular Weight: 404.47

Chemical Formula: C₁₀H₁₄K₂N₂O₈ · 2H₂O

2. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient | CAS No | Percent | EDTA, Dipotassium Salt | 2001-94-7 | 90 |
|------------|--------|---------|------------------------|-----------|----|
| - 100% | | | | | |

3. HAZARD IDENTIFICATION

Route Of Entry Inds - Inhalation: YES Skin: YES Ingestion: YES

Carcinogenicity Inds - NTP: NO IARC: NO OSHA: NO

Health Hazards Acute And Chronic: MAY BE HARMFUL BY INHALATION, INGESTION, OR SKIN ABSORPTION. CAUSES EYE AND SKIN IRRITATION. MATERIAL IS IRRITATING TO MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT. THE CHEMICAL, PHYSICAL, AND TOXICOLOGICAL PROPERTIES HAVE NOT BEEN THOROUGH LY INVESTIGATED.

Explanation of Carcinogenicity: NOT RELEVANT.

Signs and Symptoms of Overexposure: SEE HEALTH HAZARDS.

Medical Conditions Aggravated by Overexposure: NONE SPECIFIED BY MANUFACTURER.

4. FIRST AID

EYES: IMMEDIATELY FLUSH WITH COPIOUS AMOUNTS OF WATER FOR AT LEAST 15 MIN. SKIN: IMMEDIATELY WASH WITH SOAP AND COPIOUS AMOUNTS OF WATER. INHAL: REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE O₂. CALL PHYS. WASH CONTAMINATED CLOTHING BEFORE REUSE. INGEST: CALL MD IMMEDIATELY (FP N)

5. FIRE FIGHTING MEASURES

Flash Point Text: N/K

Auto Ignition Temperature Text: Lower Limits: N/K Upper Limits: N/K

Extinguishing Media: WATER SPRAY, CARBON DIOXIDE, DRY CHEMICAL POWDER, ALCOHOL OR POLYMER FOAM.

Fire Fighting Procedures: WEAR NIOSH/MSHA APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT (FP N) TO PREVENT CONTACT WITH SKIN AND EYES.

Unusual Fire/Explosion Hazard: EMITS TOXIC FUMES UNDER FIRE CONDITIONS.

6. RELEASE MEASURES

Spill Release Procedures: WEAR SCBA, 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.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Waste Disposal Methods: DISSOLVE OR MIX MATERIAL WITH COMBUSTIBLE SOLVENT AND BURN IN CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER. OBSERVE ALL FEDERAL, STATE, AND LOCAL LAWS.

7. HANDLING AND STORAGE

AVOID CONTACT AND INHALATION. DO NOT GET IN EYES, ON SKIN, ON CLOTHING. KEEP TIGHTLY CLOSED. STORE IN COOL DRY PLACE. IRRITANT.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory Protection: NIOSH/MSHA APPROVED RESPIRATOR.

Ventilation: MECHANICAL EXHAUST REQUIRED.

Protective Gloves: RUBBER GLOVES.

Eye Protection: CHEMICAL WORKERS GOGGLES (FP N).

Other Equipment: NONE SPECIFIED BY MANUFACTURER.

Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.

Supplemental Safety & Health: NONE SPECIFIED BY MANUFACTURER.

9. PHYSICAL AND CHEMICAL PROPERTIES

ASSAY: 99%

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MATERIAL SAFETY DATA SHEET (MSDS)**ETHYLENE DIAMINE TETRA ACETIC ACID DIPOTASSIUM SALT AR (EDTA DIPOTASSIUM SALT)**

Melting/Freezing Point: 522F,272C

Appearance and Odor: WHITE CYRATALLINE POWDER

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10. STABILITY AND REACTIVITY

Stability Indicator: YES

Stability Conditions to Avoid: NONE SPECIFIED BY MANUFACTURER.

Materials to Avoid: STRONG OXIDIZING AGENTS, STRONG ACIDS.

Hazardous Decomposition Products: TOXIC FUMES OF: CARBON MONOXIDE, CARBON DIOXIDE, NITROGEN OXIDES. Hazardous Polymerization Products: NO

Conditions to Avoid Polymerization: NOT RELEVANT.

11. TOXICOLOGICAL

N/P

12. ECOLOGICAL

N/P

13. DISPOSAL

DISSOLVE OR MIX MATERIAL WITH COMBUSTIBLE SOLVENT AND BURN IN CHEMICAL INCINERATOR EQUIPPED WITH AN AFTERBURNER AND SCRUBBER. OBSERVE ALL FEDERAL, STATE, AND LOCAL LAWS.

14. TRANSPORTATION

NON HAZARDOUS FOR ROAD, AIR, & SEA TRANSAPORT

15. REGULATORY

SARA Title III: N/P

Federal Regulatory: N/P

16. OTHERS

NFPA Ratings: Health: 1 Flammability: 1 Reactivity: 0

Label Hazard Warning: WARNING! HARMFUL IF SWALLOWED OR INHALED. CAUSES IRRITATION TO SKIN, EYES AND RESPIRATORY TRACT.

Label Precautions: Avoid breathing dust. Keep container closed. Use only with adequate ventilation. Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. **Label First Aid:** If swallowed, induce vomiting immediately as directed by medical personnel. Never give anything by mouth to an unconscious person. If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of contact, immediately flush eyes or skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. In all cases, get medical attention.

Product Use: Laboratory Reagent.

In accordance with REACH Regulation (CE) N° 1907/2006 and with CLP Regulation (CE) N° 1272/2008

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