

EDTA (DI-SODIUM) 5%

SECTION 1: PRODUCT IDENTIFICATION

Product Name: EDTA (Di-sodium) 5%
Product Code: TR 107
CI#: Not available
CAS#: Not available
Synonym: Not available
Chemical Name: EDTA (Di-sodium)
Chemical Formula: Not available

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Composition:

Name: Disodium ethylenediaminetetraacetate dihydrate
Toxicological Data on Ingredients: Acute Tox. 4; STOT RE 2;
Aquatic Chronic 3; H332, H373, H412

SECTION 3: HAZARDS IDENTIFICATION

Classification according to Regulation (EC) No 1272/2008

Acute toxicity, Inhalation (Category 4), H332

Specific target organ toxicity - repeated exposure Inhalation (Category 2), Respiratory Tract, H373
Serious eye damage (Category 2), H332, H336, H337, H338, H339, H373, H412

Potential Acute Health Effects: Not available

Mutagenic Effects: Not available

Carcinogenic Effects: Not available

Mutagenic Effects: Not available

Teratogenic Effects: Not available

Developmental Toxicity: Not available

SECTION 4: FIRST AID MEASURES

Eye Contact: Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Warm water must be used. Get medical attention if irritation occurs.

Skin Contact: Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.

Serious Skin Contact: Not available

Inhalation: After inhalation: fresh air. '

Serious Inhalation: Not available

Ingestion: Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.

Serious Ingestion: Not available

SECTION 5: FIRE FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media



Water Foam Carbon dioxide (CO₂) Dry powder

Unsuitable extinguishing media

For this substance/mixture no limitations of extinguishing agents are given.

Special hazards arising from the substance or mixture.

Nature of decomposition products not known.

Combustible.

Development of hazardous combustion gases or vapours possible in the event of fire.

Risk of dust explosion.

Advice for firefighters

Stay in danger area only with self-contained breathing apparatus. Prevent skin contact by keeping a safe distance or by wearing suitable protective clothing.

Further information

Suppress (knock down) gases/vapors/mists with a water spray jet. Prevent fire-extinguishing water from contaminating surface water or the ground water system.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Advice for non-emergency personnel: Do not breathe vapors, aerosols. Avoid substance contact. Ensure adequate ventilation. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

Environmental precautions

Do not let product enter drains.

SECTION 7: HANDLING AND STORAGE

Storage conditions

Tightly closed. Dry.

Storage class

Not Available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection: Safety glasses, Lab coat, Dust respirator, Gloves. Be sure to use an approved/certified respirator or equivalent.

Personal Protection in Case of a Large Spill: Splash goggles, Full suit, Dust respirator, Boots, Gloves. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist before handling this product.

Exposure Limits: Not available.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical state and appearance Form	: Crystal
Odour	: Odourless
Taste	: Not Available
Molecular Weight	: Not Available
Colour	: Not Available
pH	: Not Available
Boiling Point	: Not Available



Melting Point	: Melting point/range: 248 °C
Critical Temperature	: Not Available
Relative Density	: Not Available
Vapor Pressure	: Not Applicable
Vapor Density	: Not Available
Volatility	: Not Available
Odor Threshold	: Not Available
Water/Oil Dist. Coeff.	: Not Available
Ionicity (in Water)	: Not Available
Dispersion Properties	: Not Available
Solubility	: Not Available

SECTION 10: STABILITY AND REACTIVITY DATA

Stability: The product is stable under standard ambient conditions (room temperature).
Instability Temperature: Not available
Conditions of Instability: Not Available
Incompatibility with various substances: Aluminum, Copper, Copper alloys, Nickel, Zinc
Corrosivity: Not Available
Special Remarks on Reactivity: Not Available
Special Remarks on Corrosivity: Not Available
Polymerization: Not Available

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicity to Animals:
Acute toxicity
Oral: No data available
Inhalation: No data available
Dermal: No data available
Serious eye damage/eye irritation: Not Available
LD₅₀: - Rat - male and female - 2.800 mg/kg
LC₅₀: Not Available
Chronic Effects on Humans: Not Available
Other Toxic Effects on Humans: Not Available
Special Remarks on Toxicity to Animals: Not Available.
Special Remarks on Chronic Effects on Humans: Not Available
Special Remarks on other Toxic Effects on Humans: Not Available

SECTION 12: ECOLOGICAL INFORMATION

Eco toxicity: Toxicity to fish LC50 - Gambusia affinis (Mosquito fish) -41mg/l - 96 h
BOD and COD: Not available
Products of Biodegradation: Not Available
Toxicity of the Products of Biodegradation: Not available
Special Remarks on the Products of Biodegradation: Not available

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal: Waste must be disposed of in accordance with federal, state and local environmental control regulations.



SECTION 14: TRANSPORT INFORMATION

UN number

ADR/RID:

IMDG:

IATA:

UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

Transport hazard class(es)

ADR/RID:

IMDG:

IATA:

Packaging group

ADR/RID:

IMDG:

IATA:

Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

Special precautions for user

No data available

SECTION 15: OTHER REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006.

Other regulations

Take note of Dir 94/33/EC on the protection of young people at work.

SECTION 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

H332 Harmful if inhaled.

H373 May cause damage to organs through prolonged or repeated exposure if inhaled.

H412 Harmful to aquatic life with long lasting effects.

The information contained in this data sheet represents the best information currently available to us. However, no warranty is made with respect to its completeness and we assume no liability resulting from its use. The information is offered solely for user's obligation to investigate and determine the suitability of the information for their particular purpose.

