



PREVEST DENPRO LIMITED

Reg. Office : 38, Industrial Estate, Digiana, Jammu-180010, India

Unit II, EPIP, Bari Brahmana, Jammu-181133, India

Phones : +91 1923 222774, 222779, Fax : 222779

Web : www.prevestdenpro.com, E-mail : info@prevestdenpro.com

MATERIAL SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name: EDTA SOLUTION

INTENDED USE: 17% EDTA Solution

Company Name: Prevest Denpro Limited

Address: 38, Industrial Estate, Digiana, Jammu-180010 (India)

Tel: + 91-191-2430442

Fax No. +91-191-2430442

Email: info@prevestdenpro.com







Web: www.prevestdenpro.com

Emergency Contact No:- +91-191-2432548

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

· **Chemical characterization**

· **Description:** Mixture of substances listed below with nonhazardous additions.

Dangerous components:		
CAS: 6381-92-6	acide éthylènediaminetétraacétique disodique-dihydrate  Xn,  Xi; R 22-36/37/38	10-25%
CAS: 1310-73-2 EINECS: 215-185-5	sodium hydroxide  C; R 35	□2.5%
CAS: 1119-97-7	Trimethyltetradecyl-ammonium bromide  Xn,  Xi,  N; R 20/22-37/38-41-50	< 1%

· **Additional information** For the wording of the listed risk phrases refer to section 16.

SECTION 3: HAZARDS IDENTIFICATION

· **Hazard description:** not applicable



Xi Irritant

· **Information concerning particular hazards for human and environment:**

The product has to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version. R 36/38 Irritating to eyes and skin.



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· Classification system:

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

SECTION 4: FIRST AID MEASURES

- After inhalation** : In case of unconsciousness place patient stably in side position for transportation.
- After skin contact** : Immediately wash with water and soap and rinse thoroughly.
- After eye contact** : Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing** : If symptoms persist consult doctor.

SECTION 5: FIRE-FIGHTING MEASURES

- Suitable extinguishing agents** : CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- Protective equipment** : No special measures required.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- Person-related safety precautions** : Not required.
- Measures for environmental protection** : Dilute with plenty of water. Do not allow to enter sewers/ surface or ground water.
- Measures for cleaning/collecting** : Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation.

SECTION 7: HANDLING AND STORAGE

Handling:

- Information for safe handling** : Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.

Information about fire - and explosion protection

- : No special measures required.

Storage:

Requirements to be met by storerooms and receptacles

- : No special requirements.

Information about storage in one common storage facility

- : Not required.

Further information about storage conditions

- : Keep container tightly sealed.



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SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional information about design of technical facilities: No further data; see item 7.

· Ingredients with limit values that require monitoring at the workplace:	
1310-73-2 sodium hydroxide	
WEL (Great Britain)	Short-term value: 2 mg/m ³

Additional information : The lists valid during the making were used as basis.

Personal protective equipment:

General protective and hygienic measures : Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin.

Respiratory protection : In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· **Protection of hands:**



Protective gloves

· **Material of gloves** Rubber gloves

· **Eye protection:**



Tightly sealed goggles

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

General Information
Form: Fluid
Colour: According to product specification
Odour: Characteristic
· Change in condition
Melting point/Melting range: Undetermined.
Boiling point/Boiling range: 100°C
· Flash point: Not applicable.
· Flash point: Not applicable
· Danger of explosion: Product does not present an explosion hazard.
· Vapour pressure at 20°C: 23 hPa



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· Density: Not determined.
· Solubility in / Miscibility with water : Fully miscible.
· Solvent content : Organic solvents: 0.0 %

SECTION 10: STABILITY AND REACTIVITY

Thermal decomposition / conditions to be avoided	:	No decomposition if used according to specifications.
· Dangerous reactions No	:	Dangerous reactions known.

SECTION 11: TOXICOLOGICAL INFORMATION

· Acute toxicity:

· LD/LC50 values relevant for classification:		
1310-73-2 sodium hydroxide		
Oral	LD50	2000 mg/kg (rat)

Primary irritant effect:

on the skin : Irritant to skin and mucous membranes.

on the eye : Irritating effect.

Sensitization : No sensitizing effects known.

Additional toxicological information : The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version: Irritant

SECTION 12: ECOLOGICAL INFORMATION

General notes : Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: DISPOSAL CONSIDERATIONS

Product:

Recommendation : Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:

Recommendation: Disposal must be made according to official regulations.

Recommended cleansing agents : Water, if necessary together with cleansing agents.



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SECTION 14 : TRANSPORT INFORMATION

· Land transport ADR/RID (cross-border)



- **ADR/RID class:** 8 (C9) Corrosive substances.
- **Danger code (Kemler):** 80
- **UN-Number:** 1760
- **Packaging group:** III
- **Hazard label:** 8
- **Description of goods:** 1760 CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE)

Maritime transport IMDG:



- **IMDG Class:** 8
- **UN Number:** 1760
- **Label 8**
- **Packaging group:** III
- **EMS Number:** F-A,S-B
- **Marine pollutant:** No

Proper shipping name: CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE)

Air transport ICAO-TI and IATA-DGR:



- **ICAO/IATA Class:** 8
- **UN/ID Number:** 1760
- **Label 8**
- **Packaging group:** III
- **Proper shipping name:** CORROSIVE LIQUID, N.O.S. (SODIUM HYDROXIDE)

SECTION 15: REGULATORY INFORMATION

- Labelling according to EU guidelines:



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The product has been marked in accordance with EU Directives / respective national laws.

· **Code letter and hazard designation of product:**



Xi Irritant

· **Risk phrases:**

36/38 Irritating to eyes and skin.

· **Safety phrases:**

23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

37 Wear suitable gloves.

60 This material and its container must be disposed of as hazardous waste.

SECTION 16: OTHER INFORMATION

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant R-phrases**

20/22 Harmful by inhalation and if swallowed.

22 Harmful if swallowed.

35 Causes severe burns.

36/37/38 Irritating to eyes, respiratory system and skin.

37/38 Irritating to respiratory system and skin.

41 Risk of serious damage to eyes.

50 Very toxic to aquatic organisms.