

**SAFETY DATA SHEET**  
**Detro MATIC ENZYM**  
According to Regulation (EU) No 453/2010

**SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**1.1. Product identifier**

**Product Name** Detro MATIC ENZYM

**1.2. Relevant identified uses of the substance or mixture and uses advised against**

**Identified Uses** Cleaner

**1.3. Details of the supplier of the safety data sheet**

**Supplier** Detro Healthcare Kimya Sanayi A.S.  
Atatürk mh. Adnan Menderes cd.  
No:7 Esenyurt / Istanbul - Turkey  
+90 212 659 77 62

**Contact person** [info@detrox.com.tr](mailto:info@detrox.com.tr)

**1.4. Emergency telephone number**

+90 212 659 77 62

**SECTION 2: HAZARDS IDENTIFICATION**

**2.1 Classification of the substance or mixture**

**Classification**  
Eye Corr 2; H319

**2.2. Label elements**

**Pictogram:**



**Signal word :**  
Warning

**Hazard Statements:**  
H319: Causes serious eye irritation

**Precautionary statements :**  
P264: Wash .. thoroughly after handling.  
P280: Wear protective gloves/protective clothing/eye protection/face protection  
P305 + P351 + P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.  
P337 + P313 : IF eye irritation persists: Get medical advice/attention.

**2.3 Other hazards**

This product does not contain any substances classified as PBT or vPvB

**SAFETY DATA SHEET**  
**Detro MATIC ENZYM**  
**According to Regulation (EU) No 453/2010**

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

**3.2. Mixtures**

| Containing Hazardous Components; |   |              | M factors   |
|----------------------------------|---|--------------|---|
| Cas No: 126-92-1                 | <b>Sodium-2-ethylhexyl sulphate</b><br>Skin Irrit. 2 ; H315, Eye Dam.1; H318                                  | 1% < C < 5 % | Eye Dam. 1; : C ≥ 20 %<br>Eye Irrit. 2; : 10 % ≤ C < 20 % |
| Cas No: 64-02-8                  | <b>Tetrasodium ethylenediaminetetraacetate</b><br>Acute Tox. 4 :H302, Eye Dam. 1: H318,<br>Acute Tox. 4: H332 | 1% < C < 5 % | -   |

The Full Text for all Hazard Statements are Displayed in Section 16.

**SECTION 4 : FIRST AID MEASURES**

**4.1. Description of first aid measures**

- Inhalation** : Keep calm, remove to fresh air, seek medical attention.  
**Skin contact** : Immediately wash thoroughly with plenty of water.  
**Eye contact** : Immediately wash affected eyes for at least 15 minutes. under running water with eyelids held open, consult an eye specialist if irritation persists.  
**Ingestion** : Rinse mouth. Do not induce vomiting because of corrosive effects. Call a physician immediately.

**4.2. Most important symptoms and effects, both acute and delayed**

**General information:** See Section 11 for additional information on health hazards. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

- Inhalation** :Single exposure may cause the following adverse effects: Corrosive to the respiratory tract. Symptoms following overexposure may include the following: Severe irritation of nose and throat.  
**Ingestion** :May cause chemical burns in mouth, esophagus and stomach. Symptoms following overexposure may include the following: Severe stomach pain. Nausea, vomiting.  
**Skin contact** : Symptoms following overexposure may include the following: Pain or irritation. Redness. Blistering may occur.  
**Eye contact** : Causes serious eye damage. Symptoms following overexposure may include the following: Pain. Profuse watering of the eyes. Redness.

**4.3. Indication of any immediate medical attention and special treatment needed**

Notes for the doctor Treat symptomatically.

**SECTION 5 : FIREFIGHTING MEASURES**

**5.1. Extinguishing media**

**Suitable extinguishing media** The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

**5.2. Special hazards arising from the substance or mixture**

**Specific hazards** :Severe corrosive hazard. Water used for fire extinguishing, which has been in contact with the product, may be corrosive.

**Hazardous combustion products**

Thermal decomposition or combustion products may include the following substances: Very toxic or corrosive gases or vapours.

**5.3. Advice for firefighters**

**Protective actions during firefighting** Avoid breathing fire gases or vapours. Evacuate area. Keep upwind to avoid inhalation of gases, vapours, fumes and smoke. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Avoid discharge to

## SAFETY DATA SHEET

### Detro MATIC ENZYM

**According to Regulation (EU) No 453/2010**

the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

**Special protective equipment for firefighter's** Regular protection may not be safe. Wear chemical protective suit. Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

#### SECTION 6 : ACCIDENTAL RELEASE MEASURES

##### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Spill should be handled by trained cleaning personnel properly equipped with respiratory and eye protection. Flush/dilute with water.

##### 6.2. Environmental precautions

**Environmental precautions:** Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

##### 6.3. Methods and material for containment and cleaning up

After spillage and/or leakage: Dyke for recovery or absorb with appropriate material. Dilute residues and flush. Use suitable disposal containers.

#### SECTION 7: HANDLING AND STORAGE

##### 7.1. Precautions for safe handling

**Handling:** Use only under a chemical fume hood. Wear personal protective equipment. Do not breathe vapors or spray mist. Do not get in eyes, on skin, or on clothing. Keep away from open flames, hot surfaces and sources of ignition. Use explosion-proof equipment. Use only non-sparking tools. Keep away from clothing and other combustible materials.

**7.2. Storage:** Keep refrigerated. Corrosives area. Keep away from heat and sources of ignition. Keep containers tightly closed in a dry, cool and well-ventilated place.

**Storage Temperature:** 5-35°C

**Package Material :** Use HDPE. Don't use PVC.

**Requirements for Storage Areas and Containers:** Because of package material, keep away from heat.

#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

##### 8.1. Control parameters

**Occupational exposure limits**

No data available

##### 8.2. Exposure controls:



**Respiratory Protection**

: There is no need any special equipment for respiratory protection.



**Hand Protection**

**Gloves for continuous contact:**

Gloves suitable for splash protection

**Material: Butyl-rubber**

Material: Nitrile-rubber

**Operating time >=480 min**

Operating time: >=30 min

**Glove thickness: >=0,7 mm**

Glove thickness: >=0,4 mm

**Eye protection**

Goggles been tightly sealed with face shields

**Skin and Body Protection**

08.07.026 If skin contact or contamination of clothing is likely,

**SAFETY DATA SHEET**  
**Detro MATIC ENZYM**  
**According to Regulation (EU) No 453/2010**

protective clothing should be worn..

**SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES**

**9.1. Information on basic physical and chemical properties**

|                 |                     |                      |                         |
|-----------------|---------------------|----------------------|-------------------------|
| Physical State  | : Liquid            | pH                   | : 8,0-11.0              |
| Colour          | : Yellowish         | Solubility in water  | : soluble               |
| Odour           | : Specific          | Density              | : 1,00-1,15             |
| Melting point   | : No data available | Other solvents       | : Unspecified           |
| Freezing point  | : No data available | Dilution rate        | : According to the case |
| Boiling point   | : No data available | Explosive Properties | : Not explosive         |
| Flash point     | : Unspecified       | Flammability         | : Unspecified           |
| Vapour pressure | : Unspecified       | Viscosity            | : Unspecified           |

**9.2. Other information**

**Other information**                      No information required.

**SECTION 10: STABILITY AND REACTIVITY**

**10.1. Reactivity:**No data available.

**10.2. Chemical stability:**Stable under normal temperature conditions and recommended use. Stable under the prescribed storage conditions.

**10.3. Possibility of hazardous reactions:**Not expected.

**10.4. Conditions to avoid** :Avoid exposure to high temperatures or direct sunlight.

**10.5. Incompatible materials:**Strong alkaline and acidic materials.

**10.6. Hazardous decomposition products:** Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>).

**SECTION 11 : TOXICOLOGICAL INFORMATION**

**11.1 Information on toxicological effects**

**Acute toxicity**

No data available

**Toxicologically Synergistic**

No information available

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Irritation** Causes severe burns by all exposure routes

**Sensitization**      No information available

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component

**Mutagenic Effects**

No information available

**Reproductive Effects**

No information available.

**Developmental Effects**

No information available.

**Teratogenicity**

No information available.

STOT - single exposure

**Respiratory system**

STOT - repeated exposure

None known

**Aspiration hazard**

No information available

**SAFETY DATA SHEET**  
**Detro MATIC ENZYM**  
**According to Regulation (EU) No 453/2010**

**Symptoms / effects, both acute and delayed**

Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated: Ingestion causes severe swelling, severe damage to the delicate tissue and danger of perforation: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting

**Endocrine Disruptor Information**

No information available

**Other Adverse Effects**

The toxicological properties have not been fully investigated. See actual entry in RTECS for complete information..

**SECTION 12: ECOLOGICAL INFORMATION**

**12.1. Toxicity** :No data available

Ecology - general : This product doesn't contain hazardous components for the environment.

**12.2. Persistence and degradability**

**12.3. Bioaccumulative potential**

No additional information available

**12.4. Mobility in soil**

No additional information available

**12.5. Results of PBT and vPvB assessment**

No additional information available

**12.6. Other adverse effects**

Other adverse effects : This product contains hazardous components for the environment.

**SECTION 13 : DISPOSAL CONSIDERATIONS**

**Waste treatment methods** : Dispose of this material and its container at hazardous or special waste collection point. Dispose in a safe manner in accordance with local/national regulations.

**SECTION 14 : TRANSPORT INFORMATION**

**In accordance with ADR / RID / ADNR / IMDG / ICAO / IATA**

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

**14.1. UN number**

Not applicable.

**14.2. UN proper shipping name**

Not applicable.

**14.3. Transport hazard class(es)**

ADR/RID/ADN Class Not applicable.

ADR/RID/ADN Class Class Not applicable.

ADR Label No. Not applicable.

IMDG Class Not applicable.

ICAO Class/Division Not applicable.

**Transport Labels**

Not applicable.

**14.4. Packing group**

ADR/RID/ADN Packing group Not applicable.

IMDG Packing group Not applicable.

ICAO Packing group Not applicable.

**SAFETY DATA SHEET**  
**Detro MATIC ENZYM**  
**According to Regulation (EU) No 453/2010**

**14.5. Environmental hazards**

Not applicable.

**SECTION 15 : REGULATORY INFORMATION**

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

**National regulations** Health and Safety at Work etc. Act 1974 (as amended).The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009No. 716).The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"]. EH40/2005 Workplace exposure limits.

**EU legislation** Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Commission Regulation (EU) No 453/2010 of 20 May 2010.

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out

**SECTION 16 : OTHER INFORMATION**

**Information Sources**

This SDS is prepared based on the information received from the product owner.

**Revision Comments**

02.07.2017 // Revision No: 00

**Issued By**

Bayram NAZLI / Detro Healthcare Kimya Sanayi A.S.  
[bayram.nazli@detrox.com.tr](mailto:bayram.nazli@detrox.com.tr)

**Hazard Statements In Full**

H315: Causes skin irritation

H318: Causes serious eye damage

H302: Harmful if swallowed

H332: Harmful if inhaled

**Disclaimer**

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.