

# MATERIAL SAFETY DATA SHEET

THIS MATERIAL SAFETY DATA SHEET WAS ISSUED IN ACCORDANCE WITH THE REGULATION ON THE SAFETY DATA SHEETS REGARDING THE HAZARDOUS SUBSTANCES AND MIXTURES ISSUED BY THE MINISTRY OF ENVIRONMENT AND FORESTRY OF THE REPUBLIC OF TURKEY DATED 13 DECEMBER 2014 WITH NO.29204.

Name of the Substance / Mixture :AKADENT EXTRA

Issue Date: 30.01.2017

Revision Date:

Revision No:00

Form No:BiO17043001/05

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Substance/Mixture Identification

**Product's Commercial Name** : AKADENT EXTRA  
**Product Name** : Medical Device and Endoscope Disinfectant

**1.2. Relevant identified uses of the substance or mixture and uses advised against** : This product is used as a concentrated medical device and endoscope disinfection

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

**Company:** : Detro Healthcare Kimya Sanayi A.Ş.

**Manufacturer:** : Detro Healthcare Kimya Sanayi A.Ş.

**Address:** : Atatürk mh. Adnan Menderes cd. No:7 Esenyurt/İstanbul-Turkey

**Telephone** : 0(212) 659 77 62 (for emergency situations)

**Fax** : 0(212) 659 77 63

**Contact Person** : Anıl Köse

**e-mail** : anil.kose@detrox.com.tr

**Web** : www.detrox.com.tr

**1.4. Emergency telephone number** : +90 212 659 77 62 (within work hours)

**National Poison Information Center (UZEM)** : 114

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### 2.1. Classification of the Substance or Mixture

“According to the Regulation on Classification, Labeling and Packaging of the Substances and Mixtures (SEA):

Danger

Skin Abrasion 1B

H314



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Aquatic Chronic 2.

H411

**2.2. Label Elements:** This product / substance was classified and labeled according to the Regulation on Classification, Labeling and Packaging of the Substances and Mixtures.

**Hazard Pictograms:**

**Signal Word:** Danger

**Hazard-determining components:** This product contains of Benzalkonium chloride (CAS no: 68424-85-1), Didecyldimethylammonium chloride (CAS no:7173-51-5), Bis (3-aminopropyl)-dodecylamine (CAS no:2372-82-9).

**Hazard Statements (H):**

**H314:** Causes severe skin burns and eye damage

**H411:** Toxic to aquatic life with long-lasting effects

**Additional Hazard Statements:** n/a.

**Precautionary Statements (P):**

**P260:** Do not breathe dust/fumes/gas/mist/vapours/spray.

**P264:** Wash your hands thoroughly after handling.

**P280:** Wear protective gloves/protective clothing/eye protection/face protection.

**P273:** Avoid release to the environment.

**P301+P330+P331:** IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

**P303+P361+P353:** IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.

**P363:** Wash contaminated clothing before reuse.

**P304+P340:** IF INHALED: Remove person to fresh air and keep comfortable for breathing.

**P310:** Immediately call a NATIONAL POISON INFORMATION CENTER by dialing 114 /doctor.

**P305+P351+P338:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.

**P405:** Store locked up.

**P501:** Dispose of contents/container in accordance with the regulation on hazardous wastes.

**Immediate and delayed significant symptoms and effects:**

**Acute Hazards:**

**Eyes:** This product irritates eyes. It may give redness, lacrimation, pain and severe damage to eyes.

**Other Hazards:** None. Not a PBT and/or vPvB.



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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

### General Description and Concentrations of Hazardous and Hazardous Substances in the Composition of this Product:

Substance or Compound	Cas No	EC No	Concent. w/w%	Safety Phrases, Hazard Class
Benzalkonium chloride	68424-85-1		7-8	Acute Toxic 4 H302 Skin Irritation 1B H314 Aquatic Acute1 H400
Didecylidimethylammonium chloride	7173-51-5		4-6	Acute Toxic 4 H302 Skin Irritation 1B H314
Bis (3-aminopropyl)-dodecylamine	2372-82-9		1-3	Acute Toxic 3 H301 Skin Irritation 1B H314 Aquatic Acute1 H400 Aquatic Chronic 1. H410

Note: The definitions of risk phrases are described in the Section 16.

## 4. FIRST AID MEASURES

### 4.1. Description of first aid measures

**Overall Precautions:** Avoid eye contact.

**Ingestion:** Call ambulance or call the Poison Information Center. Make the patient drink plenty of water or milk in order to dilute the product. Do not induce vomiting unless instructed by a doctor. Never give anything to the patient via mouth if s/he is unconscious.

**Inhalation:** Call a doctor in case of a significant discomfort and remove the patient to fresh air. Vapours of the product may cause dizziness and drowsiness.

**Skin Contact:** Wash with plenty of water. The contaminated clothes should be removed.

**Eye Contact:** Wash eyes with plenty of water by keeping eyelids open and in case of a discomfort, consult a doctor and continue to wash with water in the meantime.

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

No specific information is available.

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

In case of itching in the eyes, eyes shall be washed with plenty of water immediately.

## 5. FIREFIGHTING MEASURES

**Specific Dangers:** This product is non-flammable.

**5.1. Extinguishing media:** Alcohol resistant foam, Water spray, Dry chemical powder, Carbon dioxide (CO<sub>2</sub>)

Do not discharge extinguishing water into aquatic environments.

It should be intervened the fire exit immediately before formation of a danger if possible.

**Unsuitable extinguishing media:** Do not use water jet.

**Gases arising from the substance or mixture during fire:** Carbon monoxide, carbon dioxide. Do not breathe the smoke and vapors of the product.

**Equipment necessary for fire-fighting:** Use protective clothing and equipment (goggles, mask, gloves, breathing apparatus with tube) that provide maximum protection.

**5.2. Special hazards arising from the substance or mixture:** Keep away from oxidizing agents. Remove all living creatures from the fire area during the fire-fighting.

**5.3. Advice for firefighters and firefighter teams:** Use protective clothing and equipment (goggles, mask, gloves, breathing apparatus with tube) that provide maximum protection.



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## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions:** Use protective clothing, gloves and goggles. Avoid contact with eyes and skin. Keep away from oxidizing agents.

**Precautions for Cleaning Up:** Prohibit entrance to the area until completion of cleaning process. Ventilate the area.

Collect, clean up with an absorbent and place the spilled product into a dry container and close the cover and remove from the area. Rinse the spillage area with plenty of water. Keep the unneutralized substance away from water ducts, surface waters and soil.

The spilled substance is absorbed into a porous material with which it would not enter into reaction with such as sand, soil, etc.

The collected material shall be transferred to a suitable container or recycled and disposed or made disposed according to the national or regional regulation in force.

**Environmental precautions:** The product should be kept away from surface and underground waters and soil.

## 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Causes severe eye irritation. Avoid splash into eyes. Avoid contact with skin.

### 7.2. Conditions for safe storage, including any incompatibilities

**Usage precautions:** Regulations regarding storage areas are applied to the workplaces where the product is located. Do not ingest the product. Prevent contact with skin and eyes. Use the product according to the instructions on the label. For personal protection, see Section 8. Review the labeling precautions and safety regulations. The product should be avoided from the eyes.

**Storage precautions:** Keep the product away from food, beverage and animal feed. Store the product in a well-ventilated, dry and cool places between 5 °C and 35°C away from heat and direct sunlight. Keep containers sealed. Do not eat, drink and smoke. Keep all sources of ignition away. Do not store the product together with oxidizing substances, acids, alkalis and dangerous substances.

**7.3. Specific end use(s):** Avoid eye contact.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters:

**Occupational Exposure Controls:** Provide adequate ventilation. Prevent being contaminated with eyes and skin. Avoid breathing vapours and gases of the product. Do not eat, drink or smoke while working. Wash your hands and your face after work and clean yourself thoroughly. Have an eye wash apparatus in the working area.

**Respiratory protection:** Wear a suitable respiratory equipment in case of insufficient ventilation.

**Hand Protection:** It is recommended to wear gloves when using this product. Vinyl, latex or nitrile gloves should be used. If the indication of deterioration appears, gloves should be replaced immediately with new gloves.

**Eye/face protection:** Avoid contact with skin and eyes. Provide side shielded safety goggles for the staff. The area of use should be close to a water station.

**Skin protection:** Use appropriate coverall.

### Hygiene measures

Do not eat, drink or smoke while working with the product. Wash hands after every use. Wash and clean individual protection equipment systematically after every use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

Appearance	Clear-Liquid
Color	Colorless
Odor	Characteristic
Solubility	Soluble in water



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Relative density (20 °C)	0,94 +/- 1,14 g/cm <sup>3</sup>		
Ph	5-8		
Solubility in Water	Soluble.		

9.2.Other information:

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under normal conditions.

**Reactivity:** Nonreactive.

**Conditions to avoid:** High temperature, open flame, ignition sources.

**Hazardous decomposition products:** Carbon dioxide, carbon monoxide. CO<sub>2</sub>, CO, irritants and toxic gases and fumes.

**Whether stabilizers are needed and existing stabilizers:** None.

Avoid high temperature

## 11. TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects:

#### Acute Toxicity

Acute Toxicity: LD 50 oral rat > 2000 mg/kg

**Respiratory exposure:** The product may cause irritation of the respiratory tract in case of long-term exposure. The vapours and fumes of the product may cause drowsiness and dizziness.

**When ingested:** When ingested, the product may cause gastrointestinal tract irritation along with pain and ache at the abdominal region accompanied with nausea and headache.

**In case of splash and contact with eyes:** May cause eye redness and lacrimation.

## 12. ECOLOGICAL INFORMATION

**Aquatic Toxicity:** May cause long lasting and extremely toxic effect on the aquatic environment.

Do not allow unclassified product to mix with sewage, soil and surface water.

**Mobility in soil:** The product may contaminate soil with one or more components.

**Environmental Hazards:** The product should not be allowed to mix with sewer systems or water ways.

**Bio accumulative Potential:** No bio-accumulation is expected.

**Results of PBT and vPvB assessment:** None.

**Other adverse effects:** Not determined.

## 13. DISPOSAL CONSIDERATIONS

### 13.1. Waste treatment methods

**Disposal Methods:** Do not pour into rivers. Packaging should not be reused. Reprocess or dispose of it, preferably in accordance with applicable legislation, through a notified body or a collector. Do not contaminate soil or water with wastes.



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**Contaminated Packaging:** Empty the container completely and keep the labeling on the container. Deliver it to an approved waste treatment / recycling facility. The waste code should be provided by the supplier according to the method of use.

## 14. TRANSPORT INFORMATION

**Classification and coding according to the International Transportation (ADR/RID,IMDG, IATA/ICA)**

**Land Transportation:**

ADR/RID Class: 8

UN No : 1903

Packaging Group : III

Transport : UN No: 1903 DISINFECTION, LIQUID, ABRASIVE, B.B.B.

**Sea Transportation:**

IMDG Class : 8

UN No : 1903

Packaging Group: III

Transport: UN No: 1903 DISINFECTION, LIQUID, ABRASIVE, B.B.B.

**Air Transportation:**

ICA/IATA Class : 8

UN No : 1903

Packaging Group: III

Transport: UN No: 1903 DISINFECTION, LIQUID, ABRASIVE, B.B.B.

## 15. REGULATORY INFORMATION

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

This document was prepared and attested by accredited authorized staff compliant to the Regulation on Classification, Labeling and Packaging of the Substances and Mixtures (SEA) dated 11 December 2013 with no.28848 within context of the Regulation on the Safety Data Sheets Regarding the Hazardous Substances and Mixtures dated 13 December 2014 with no.29204.

## 16. OTHER INFORMATION

The information provided in this safety data sheet was prepared based on the regulation and information which are applicable before the institutions of the Republic of Turkey and the European Union. It should not be used other than for the stated purposes.

You shouldn't use this substance for any purpose other than intended use. The user is responsible under any circumstances for taking the measures required under local regulations and laws. The information on this safety data sheet does not constitute a guarantee for product specifications; rather it presents the safety measures concerning the mixture.

Issued by: **SERKAN MUTLU on behalf of** Detroks Kimya ve Sağlık Ürünleri Ltd. Şti. **Senior Consultant Accreditation No: TSE-GBF-A-0-2268**

**Data compiling department:** Quality Assurance Department

**Contact Person / Place:** Serkan Mutlu



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