

MSDS NO: F.410

PRINTING DATE: 02.02.2018

REVISION: 00

according to (EC) No 96/335/EC & 76/768/EEC

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

**PRODUCT NAME** LAUNDRY LC 410  
**INTENDED USE** Oil Remover  
**MANUFACTURER / SUPPLIER NAME AND ADDRESS:**  
**COMPANY NAME** LABOORY KİMYA TEMİZLİK MADDELERİ PLASTİK SAN. VE TİC. LTD. ŞTİ.  
İkitelli OSB Mah. Metal İş Sanayi Sitesi 18. Blok No:10/10  
Başakşehir / İstanbul.  
**Web e-mail:** [www.laboory.com](http://www.laboory.com)  
**PRODUCTION COMPANY:**  
**COMPANY NAME** ENDEKS KİMYA A.Ş.  
Adnan Kahveci Mah. Davutpaşa Cad. No:17 Beylikdüzü/İSTANBUL  
E-posta: [info@endekskimya.com](mailto:info@endekskimya.com), Web : [www.endekskimya.com](http://www.endekskimya.com)  
**Web e-mail:**  
**Phone:** +90 212 856 13 66  
**EMERGENCY INFORMATION (UZEM):** 114

**Information for the Product about Person :** Lokman Çolak

**Information for the MSDS about Person msds writer** Sinem Yazıcı

e- mail adress : [lokmancolak@endekskimya.com](mailto:lokmancolak@endekskimya.com) , [laboratuar@endekskimya.com](mailto:laboratuar@endekskimya.com)

### 2. HAZARDS IDENTIFICATION

#### Most important hazards;

Aspiration Hazard Category 1;H304; May be fatal if swallowed and enters airways  
Serious eye Irritation Category 2; H319; Causes serious eye irritation  
Flammable Liquids Category 3;H226; Flammable liquid and vapour.

Full text of H statements : see section 16



Signal Word: DANGER

**WARNINGS AND PRECAUTIONS:** You must read the operating instructions. Wear gloves while using. Keep away from children. Do not mix with another product or substance. Keep away from food stuffs. In case of poisoning, call the National Poison Information Center (UZEM) phone number 114 or the Emergency Health Services phone number 112.

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P210 – Keep away from heat/sparks/open flames/hot surfaces. — No smoking.  
 P233 – Keep container tightly closed.  
 P242 – Use only non-sparking tools.  
 P243 – Take precautionary measures against static discharge.  
 P264 – Wash ... thoroughly after handling.  
 P280 – Wear protective gloves/protective clothing/eye protection/face protection.  
 P303 + P361 + P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 P370 + P378 – In case of fire: Use ... for extinction.  
 P403 + P235 – Store in a well-ventilated place. Keep cool.  
 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.  
 P501 – Dispose of contents/container to ...

2.3 Other Losses: None

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	EC No.	CAS No	Content(%)	SEA
				Class, H Phares*
2-(2-Butoxyethoxy)ethanol	-	112-34-5	%10-%20	H319
Alcohols, C9-11, ethoxylated	-	68439-46-3	%30-%40	H318
Hydrocarbons, C12-C13, isoalkanes	918-271-7	-	%40-%60	H304, H226

*\*For full text of the H-Phrases indicated by codes see section 16 'Other Information'.*

### 4. FIRST AID MEASURES

**General advice** Show this safety data sheet to the doctor in attendance.

**Ingestion:** Do not try to vomit.

Never give anything by mouth to an unconscious person. If symptoms persist or recur, seek medical attention.

**Eye Contact:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Obtain medical attention.

**Skin:** Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Obtain medical attention.

**Inhalation:** Move to fresh air. If symptoms persist, call a physician.

**Protection of first-aiders** Wear impervious gloves and tightly fitting safety goggles.

Avoid contact with skin and eyes.

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## 5. FIRE FIGHTING MEASURES

**Flammable Properties:** Upper Flammable Limit: N/A

Lower Flammable Limit: N/A

**Explosive Limits:** UEL: N/A LEL: N/A**Auto-ignition Temperature:** N/A**Hazardous Combustion Products:** N/A**Explosion Data (Sensitivity to Mechanical Impact):** N/A**Explosion Data (Sensitivity to Static Discharge):** N/A**Suitable extinguishing media:** carbon dioxide (CO<sub>2</sub>), foam, dry chemical.**Protection of fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal precautions :** Refer to section 8 of SDS for personal protection details.

Avoid contact with skin and eyes. Wear impervious gloves and tightly fitting safety goggles.

**Environmental precautions** Do not flush into surface water or sanitary sewer system.**Methods for cleaning up** Dam up. Neutralize with limestone powder, lime, soda ash. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Take up mechanically and collect in suitable container for disposal.

## 7. HANDLING AND STORAGE

**Handling:** Avoid contact with eyes. Handle in accordance with good industrial hygiene and safety practice.**Storage:** Keep tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Do not damage to the label.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering measures to reduce exposure:**

No special ventilation requirements. General room ventilation is adequate.

**Personal Protective Equipment****Eye protection:** Avoid contact with eyes. Safety glasses recommended in those cases where handling the undiluted product involves a risk of splashing.**Hand protection:** In normal use hand protection is not required. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Material of gloves: nitrile rubber, NBR.**Skin and body protection:** No special requirements under normal use conditions.

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**Respiratory protection:** Personal protection is not normally required. However, inhalation of dust, vapour or aerosol should be avoided.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance (color, physical form, shape):** COLORLESS CLEAR LIQUID

**Odor:** characteristic

**Solubility in Water:** Complete

**PH (%100):** 5-8(20°C , ±0.2)

**Density ;** ~ 0,8-1(20°C , ±0.2)

#### 10. STABILITY AND REACTIVITY

##### 10.1. Reactivity

Stable under normal conditions

##### 10.2. Chemical stability

Stable under normal conditions

##### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

##### 10.5. Incompatible materials

Keep away from oxidizing agents and strong acids and bases, from heat.

##### 10.6. Hazardous decomposition products

Carbon monoxide. Carbon dioxide.

#### 11. TOXICOLOGICAL INFORMATION

**Toxicological information:** When used and handled according to instructions, the product is unlikely to have any harmful effects.

##### **Hazardous Ingredients:**

Alcohols, C9-11, ethoxylated (Cas No: 68439-46-3):

Acute oral toxicity:

LD50> 300 - <= 2000 mg / kg mass weight (similarity)

GHS: Category 4

Hydrocarbons, C12-C13, Isoalkanes;

Acute Toxicity;

LD50 Oral rat:> 5,000 mg / kg

LC50 rat:> 5 mg / l; 8 h

LD50 Dermal rat:> 5,000 mg / kg

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## 12.ECOLOGICAL INFORMATION

**Aquatic toxicity:** N.D.A.**Behaviour in environmental systems:** Not determined**Ecotoxical effects:** Not determined**Behaviour in sewage processing plants:** Not determined**Other adverse effects:** No further relevant information available.

Hazardous Ingredients:

Alcohols, C9-11, ethoxylated (Cas No: 68439-46-3):

Acute fish toxicity:

LC50&gt; 1 - &lt;= 10 mg product / l. Method: ISO 7346/2 (semistatic)

GHS: Category 2 (not implemented in the European Union)

Acute bacterial toxicity:

ECO &amp; gt; 100 mg product / l.

Method: DIN 38412, Teil 27 (ROBRA Test, entspricht OECD 209)

## 13.DISPOSAL CONSIDERATIONS

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## 14.TRANSPORT INFORMATION

14.1 UN number : 1992

14.2 UN proper shipping name: UN 1992 FLAMMABLE LIQUID, TOXIC, NOS

14.3 Transport hazard class(es): 3

14.4 Packing group : III

14.5 Environmental hazards : N/A

14.6 Special precautions for user N/A

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code:Not applicable.

## 15.REGULATORY INFORMATION

No data available

## 16.OTHER INFORMATION

\*N/A. - Not Applicable \*N/K. - Not Known \*N.D.A.-No Data Available

**Risk Phrases**

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Skin Corrosion Category 1B; H314: Causes severe skin burns and eye damage

Corrosive to metal Category 1; H290; May be corrosive to metal

Acute Toxicity Oral Category 4; H302; Harmful if swallowed

Serious eye irritation Category 2; H319; Causes serious eye irritation.

Skin Corrosion /Irritation Category 2; H315 ; Causes skin irritation.

**Caution Phrase**

P210 – Keep away from heat/sparks/open flames/hot surfaces. — No smoking.

P233 – Keep container tightly closed.

P242 – Use only non-sparking tools.

P243 – Take precautionary measures against static discharge.

P264 – Wash ... thoroughly after handling.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

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

P370 + P378 – In case of fire: Use ... for extinction.

P403 + P235 – Store in a well-ventilated place. Keep cool.

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.

P501 – Dispose of contents/container to ...

**DISCLAIMER:** This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.