

MSDS NO: F.312

PRINTING DATE:12.12.2017

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** GASTRO KC 312  
**INTENDED USE** High Performance Lime 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

**Classification of the product;**

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

**Specific Target Organ toxicity - single exposure Category 3;H335;** May cause respiratory irritation

**Label elements**

Pictogram:



GHS05

**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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P234 – Keep only in original container.

P260 – Do not breathe dust/fume/gas/mist/vapours/spray.

P270 – Do not eat, drink or smoke when using this product.

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

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

P304 + P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P309 + P311 – IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.

P501 – Dispose of contents/container to ...

2.3 Other Losses: NO

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	EC No.	CAS No	Content(%)	SEA
				Class, H Phares*
Phosphoric Acid	231-633-2	7664-38-2	%25- %35	Skin Corrosion /Irritation Category 1; H314,H335

\*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 induce vomiting unless directed to do so by medical personnel.

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.

### 5. FIRE FIGHTING MEASURES

#### 5.1. Extinguishing media

**Suitable extinguishing media** : carbon dioxide (CO<sub>2</sub>), foam, dry chemical.

**Unsuitable extinguishing media** : No unsuitable extinguishing media known.

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

Fire hazard : DIRECT FIRE HAZARD. Non combustible. INDIRECT FIRE HAZARD. Reactions involving a fire hazard: see "Reactivity Hazard". Explosion hazard : INDIRECT EXPLOSION HAZARD. Reactions with explosion hazards: see "Reactivity Hazard".

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Reactivity : Reacts exothermically with water (moisture). Decomposes on exposure to temperature rise: release of toxic and corrosive gases/vapours (phosphorus oxides). Reacts on exposure to temperature rise with (some) metals: release of highly flammable gases/vapours (hydrogen). Violent exothermic reaction with (some) bases. Violent to explosive reaction with many compounds e.g.: with (strong) oxidizers and with (strong) reducers.

#### **Advice for firefighters**

**Precautionary measures fire** : Exposure to fire/heat: keep upwind. Exposure to fire/heat: consider evacuation. Exposure to fire/heat: seal off low-lying areas. Exposure to fire/heat: have neighbourhood close doors and windows.

**Firefighting instructions** : Cool tanks/drums with water spray/remove them into safety. Dilute toxic gases with water spray. Take account of toxic fire-fighting water. Use water moderately and if possible collect or contain it.

**Protection during firefighting** : Heat/fire exposure: compressed air/oxygen apparatus

<b>Flammable Properties:</b>	Upper Flammable Limit: N/A
	Lower Flammable Limit: N/A
<b>Explosive Limits:</b>	UEL: N/A                      LEL: N/A

## 6.ACCIDENTAL RELEASE MEASURES

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

#### **6.1.1. For non-emergency personnel**

**Protective equipment** : Gloves. Face-shield. Corrosion-proof suit. Dust cloud production: compressed air/oxygen apparatus. See "Material-Handling" to select protective clothing.

**Emergency procedures** : Mark the danger area. Prevent dust cloud formation. No naked flames. Wash contaminated clothes. Large spills/in confined spaces: consider evacuation. In case of hazardous reactions: keep upwind. In case of reactivity hazard: consider evacuation.

**Measures in case of dust release** : In case of dust production: keep upwind. In case of dust production: consider evacuation. Dust production: have neighbourhood close doors and Windows.

#### **6.1.2. For emergency responders**

Protective equipment : Equip cleanup crew with proper protection.  
Emergency procedures : Ventilate area.

### **6.2. Environmental precautions**

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Prevent soil and water pollution. Prevent spreading in sewers.

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

**For containment :** Contain released substance, pump into suitable containers.

Consult "Material-handling" to select material of containers. Plug the leak, cut off the supply. Dam up the solid spill. Hazardous reaction: measure explosive gas-air mixture. Reaction: dilute combustible gas/vapour with water curtain.

Take account of toxic/corrosive precipitation water. Heat exposure: dilute toxic gas/vapour with water spray.

**Methods for cleaning up :** Prevent dust cloud formation. Scoop solid spill into closing containers. See "Material-handling" for suitable container materials.

Carefully collect the spill/leftovers. Take collected spill to manufacturer/competent authority. Wash clothing and equipment after handling.

### 6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

## 7. HANDLING AND STORAGE

**Handling requirements:** Avoid direct contact with the substance. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

**Storage conditions:** Store in cool, well ventilated area. Keep container tightly closed.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Hazardous ingredients:** PHOSPHORIC ACID

WEL (8 hr TWA): 1 mg/m<sup>3</sup> WEL (15 min STEL): 2 mg/m<sup>3</sup>

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Protective mask.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance (color, physical form, shape):** Colorless Liquid

**Odor :** characteristic

**Solubility in Water:** Complete

**Specific Gravity/Density:** 1,0-1,20 (20°C)

**pH: ( %1):** 1,5-2.5 (20°C, ±0.2)

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## 10. STABILITY AND REACTIVITY

### **10.1. Reactivity**

Reacts exothermically with water (moisture). Decomposes on exposure to temperature rise: release of toxic and corrosive gases/vapours (phosphorus oxides). Reacts on exposure to temperature rise with (some) metals: release of highly flammable gases/vapours (hydrogen). Violent exothermic reaction with (some) bases. Violent to explosive reaction with many compounds e.g.: with (strong) oxidizers and with (strong) reducers.

### **10.2. Chemical stability**

Stable under normal conditions.

### **10.3. Possibility of hazardous reactions** Not established.

### **10.4. Conditions to avoid**

Direct sunlight. Extremely high or low temperatures.

### **10.5. Incompatible materials**

Strong acids. Strong bases.

### **10.6. Hazardous decomposition products**

Phosphorus oxides. Carbon monoxide. Carbon dioxide. Thermal decomposition generates : Corrosive vapors.

## 11. TOXICOLOGICAL INFORMATION

<b>Hazardous Ingredients:</b>	PHOSPHORIC ACID ORAL RAT LD50 1530 mg/kg
<b>Routes of exposure:</b>	Refer to section 4 of SDS for routes of exposure and corresponding symptoms.

## 12. ECOLOGICAL INFORMATION

Phosphoric Acid, 85% w/w (7664-38-2)

LC50 fish1 : 138 mg/l (LC50)

**Mobility:** Readily absorbed into soil.

**Persistence and degradability:** Biodegradable.

**Bioaccumulative potential:** No bioaccumulation potential.

**Other adverse effects:** Negligible ecotoxicity.

## 13. DISPOSAL CONSIDERATIONS

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

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#### 14.TRANSPORT INFORMATION

**In accordance with DOT Transport document description :** UN1805 Phosphoric acid solution, 8, III

**UN-No :** UN 1805

**Proper Shipping Name :** Phosphoric acid solution

**Transport hazard class(es) :** 8 - Class 8 - Corrosive material

**Packing group :** III - Minor Danger

#### 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**

Serious eye damage/eye irritation. Category 1;H318: Causes serious eye damage.

Skin Corrosion /Irritation Category 1; H314: Causes severe skin burns and eye damage.

Hazardous to aquatic environment Long term/ Chronic Category 3 ; H412 : Harmful to aquatic life with long lasting effects.

##### **Caution Phrase**

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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.