

MSDS NO: F.301

PRINTING DATE:19.12.2017

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 MD 301
INTENDED USE Liquid Detergent for Industrial Dishwashers
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
PRODUCTION COMPANY:
COMPANY NAME ENDEKS KİMYA A.Ş.
Adnan Kahveci Mah. Davutpaşa Cad. No:17 Beylikdüzü/İSTANBUL
E-posta: info@endekskimya.com, Web : 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 , laboratuar@endekskimya.com

2. HAZARDS IDENTIFICATION

Classification of the product;

Skin Corrosion Category 1; H314: Causes severe skin burns and eye damage
EUH 031 – Contact with acids liberates toxic gas.

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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- * P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove the contact lenses from the attached and made-up coles. Keep rubbing.
- *P303 + P361 + P353 – IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
- *P260 – Do not breathe dust/fume/gas/mist/vapours/spray.
- *P304 + P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
- *P280 Wear protective gloves/protective clothing/eye protection/face protection.
- *P405 – Store locked up.
- P264 – Wash ... thoroughly after handling.
- P301 +P330 + P331 – IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
- P363 – Wash contaminated clothing before reuse.
- P501 – Dispose of contents/container to ...
- 2.3 Other Losses: May be corrosive to metals.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	EC No.	CAS No	Content(%)	SEA
				Class, H Phares*
Sodium Hydroxide	1310-73-2	215-185-2	18-20	Skin Corr.1A; H314
1-Hydroxyethylidene-1,1-Diphosphonic Acid	-	2809-21-4	2-4	H302,H315,H318

**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

Flammability of the Product: Non-flammable.

Auto-Ignition Temperature: Not applicable.

Flash Points: Not applicable.

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Flammable Limits: Not applicable.

Products of Combustion: Not available.

Fire Hazards in Presence of Various Substances: metals

Explosion Hazards in Presence of Various Substances:

Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available. Slightly explosive in presence of heat.

Fire Fighting Media and Instructions: Not available

Special Remarks on Fire Hazards:

sodium hydroxide + zinc metal dust causes ignition of the latter. Under proper conditions of temperature, pressure and state of division, it can ignite or react violently with acetaldehyde, allyl alcohol, allyl chloride, benzene-1,4-diol, chlorine trifluoride, 1,2 dichlorethylene, nitroethane, nitromethane, nitroparaffins, nitropropane, cinnamaldehyde, 2,2-dichloro-3,3-dimethylbutane. Sodium hydroxide in contact with water may generate enough heat to ignite adjacent combustible materials. Phosphorous boiled with NaOH yields mixed phosphines which may ignite spontaneously in air. sodium hydroxide and cinnamaldehyde + heat may cause ignition. Reaction with certain metals releases flammable and explosive hydrogen gas.

Special Remarks on Explosion Hazards:

Sodium hydroxide reacts to form explosive products with ammonia + silver nitrate. Benzene extract of allyl benzenesulfonate prepared from allyl alcohol, and benzene sulfonyl chloride in presence of aqueous sodium hydroxide, under vacuum distillation, residue darkened and exploded. Sodium Hydroxide + impure tetrahydrofuran, which can contain peroxides, can cause serious explosions. Dry mixtures of sodium hydroxide and sodium tetrahydroborate liberate hydrogen explosively at 230-270 deg. C. Sodium Hydroxide reacts with sodium salt of trichlorophenol + methyl alcohol + trichlorobenzene + heat to cause an explosion.

6.ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment :

Gloves. Protective goggles. Protective clothing. Large spills/in enclosed spaces: compressed air apparatus. See "Material-Handling" to select protective clothing.

Emergency procedures : Keep upwind. Mark the danger area. Consider evacuation. Seal off low-lying areas. Close doors and windows of adjacent premises. Stop engines and no smoking. No naked flames or sparks. Spark- and explosion-proof appliances and lighting equipment. Keep containers closed. Wash contaminated clothes.

6.1.2. For emergency responders Protective equipment : Equip cleanup crew with proper protection. Do not breathe gas, fumes, vapor or spray.

Emergency procedures : Stop leak if safe to do so. Ventilate area. If a major spill

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occurs, all personnel should be immediately evacuated and the area ventilated.

6.2. Environmental precautions Prevent spreading in sewers.

6.3. Methods and material for containment and cleaning up

For small amounts: Pick up with suitable absorbent material.

For large amounts: Dike spillage. Pump off product.

Dispose of absorbed material in accordance with regulations.

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

8.1. Control parameters

Hazardous ingredients: ND.(No Data)

8.2. Exposure controls

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): Clear Liquid

Odor: characteristic

Solubility in Water: Soluble in water.

Specific Gravity/Density: ~1,2-1,3 (20°C)

Ph (%100): 12,5- 14,00 (20°C , ±0.2)

Flash point; no data

10. STABILITY AND REACTIVITY

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

Stable under normal conditions.

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NO DATA.

10.4. Conditions to avoidDirect sunlight. High temperature. Incompatible materials. Open flame.Sparks.**10.5. Incompatible materials**

Strong acids. Strong oxidizers.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide.

11.TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects****Hazardous Ingredients:****Monoethanolamine (CAS;141-43-5);**

Acute toxicity

LD50 Oral - rat - 1.720 mg/kg

Inhalation: Material is extremely destructive to the tissue of the mucous membranes and upper respiratory tract.

LD50 Dermal - rabbit - 1.015 mg/kg

Irritation and corrosion

Eyes - rabbit - Severe eye irritation

D-Limonene(Cas; 5989-27-5)

Acute Toxicity

Oral LD50; 4400mg/kg (rat)

Dermal LD50; >5000mg/kg (rabbit)

12.ECOLOGICAL INFORMATION**Mobility:** No data available.**Persistence and degradability:** No data available.**Bioaccumulative potential:** No data available.**Other adverse effects:** No data available.**Hazardous to aquatic environment Acute Category 1;H400;** Very toxic to aquatic life**Hazardous Ingredients:****Aquatic toxicity (acute):** N/D**13.DISPOSAL CONSIDERATIONS****NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.**14.TRANSPORT INFORMATION**

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14.1 UN number : 1824

14.2 UN proper shipping name: SODIUM HYDROXIDE SOLUTION

14.3 Transport hazard class(es): 8

14.4 Packing group : II

14.5 Environmental hazards : hazardous to the aquatic environment

14.6 Special precautions for user

Avoid breathing, skin and eye contact.

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

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

Caution Phrase

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P363 – Wash contaminated clothing before reuse.

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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.