

MSDS NO: F.311

PRINTING DATE:20.12.2017

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 311
INTENDED USE Hygienic Vegetable & Fruit Rinsing Product
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

Hazardous to aquatic environment Acute Category 1;H400; Very toxic to aquatic life

Label elements

Pictogram:



GHS05

GHS09

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.

MSDS NO: F.311

PRINTING DATE:20.12.2017

REVISION: 00

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

*P273 – Avoid release to the environment.

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

* 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.

*P337+313 Get medical advice/attention

*P301 + P310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

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

*** The expiry date is 2 years from the production date.

2.3 Other Losses: EUH031 Contact with acids liberates toxic gas.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	EC No.	CAS No	Content(%)	SEA
				Class, H Phares*
Sodium hydroxide	215-185-5	1310-73-2	< 1	Skin Corrosion Category 1A; H314, Met. Corr. 1 - H290
sodium hypochlorite, solution 10-20 % Cl active	231-668-3	7681-52-9	< 5	Acute Aquatic Toxicity Category 1; H400, Skin Corrosion Category 1B; H314

*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 (CO₂), Alcohol – resistant foam, dry chemical, water spray.

Avoid to discharge extinguishing waters to aquatic environment.

Unsuitable extinguishing media : No unsuitable extinguishing media known.

5.2. Special hazards arising from the substance or mixture

Advice for firefighters

MSDS NO: F.311

PRINTING DATE:20.12.2017

REVISION: 00

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

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

Flammable Properties:	Upper Flammable Limit: N/A
	Lower Flammable Limit: N/A
Explosive Limits:	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. 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 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

MSDS NO: F.311

PRINTING DATE:20.12.2017

REVISION: 00

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

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 Yellowish Liquid

Odor: characteristic

Solubility in Water: Soluble in water.

Specific Gravity/Density: ~1,01-1,04 (20°C)

Ph (%1): 10—12 (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.

10.3. Possibility of hazardous reactions

NO DATA.

10.4. Conditions to avoid

Direct 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:

MSDS NO: F.311

PRINTING DATE:20.12.2017

REVISION: 00

*according to (EC) No 96/335/EC & 76/768/EEC***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):****Monoethanolamine (CAS;141-43-5);**

Ecotoxicity effects

Toxicity to fish LC50 - Pimephales promelas (fathead minnow) - 227 mg/l - 96 h

Toxicity to daphnia

and other aquatic

invertebrates.

EC50 - Daphnia magna (Water flea) - 65 mg/l - 48 h

Toxicity to algae EC50 - Scenedesmus subspicatus - 15 mg/l - 72 h

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

Toxicity to Fish; LC50(Pimephales promelas,

96hr): 0.61-0.79mg/L

Toxicity to Daphnia and Other Aquatic Invertebrates;

LC50(Daphnia magna, 48hr): 0.577mg/L

13.DISPOSAL CONSIDERATIONS**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.**14.TRANSPORT INFORMATION**

MSDS NO: F.311

PRINTING DATE:20.12.2017

REVISION: 00

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

14.1 UN number : 3267

14.2 UN proper shipping name: Corrosive liquid, basic, organic, N.O.S.

14.3 Transport hazard class(es): 8

14.4 Packing group : III

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

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

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

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

Acute Toxicity Inhalation Category 4;H332; Harmful if inhaled

Flammable Liquids Category 3;H226; Flammable liquid and vapour

Skin Irritation Category 2;H315; Causes skin irritation

Skin Sensitization Category 1;H317; May cause an allergic skin reaction

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

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

Hazardous to aquatic environment Long term/Chronic Category 1;H410; Very toxic to aquatic life with long lasting effects

Hazardous to aquatic environment Short term /Acute Category 1;H400;

Very toxic to aquatic life

Caution Phrase

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

*P273 – Avoid release to the environment.

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

*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.

MSDS NO: F.311

PRINTING DATE:20.12.2017

REVISION: 00

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

*P301 + P310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

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

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.