



SAFETY DATA SHEET

THE SDS PREPARED ACCORDING TO REGULATION ON THE SAFETY DATA SHEETS RALATING TO HAZARDOUS

PRODUCT NAME: LIQUID LAUNDRY DETERGENT FOR BLACK

Release Date : 10.01.2023

Revision Date :00

FORM NO: BMS.213

Revision No :00

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

1.1. Identification of the substance / Mixture

Product Description: **LIQUID LAUNDRY DETERGENT FOR BLACK**

Product Code: 213

1.2. Relevant identified uses of the substance or mixture and uses advised against:

Product is a liquid laundry detergent for black laundries suitable for laundries and domestic use.

1.3. Details of the supplier of the Safety Data Sheet

Manufacturer Company: GÖKOĞLU KİMYA GİD. REK. İNŞ. KOZ. SAN. VE TİC. LTD. ŞTİ.

Address: Astim Org. San. Böl. Astim Bul. No: 7 AYDIN

Phone: 0256 231 07 30/231 07 31

Authorized person responsible for SDS: nurhandogan83@gmail.com

1.3.1. Details of the Exporter/Trademark

BSP ULUSLARARASI TİC. DAN. LTD. ŞTİ.

TRADEMARK NUMBER: 18806803

BİORG&FRESH

Mansuroğlu Mah. Ankara Cad. K.4 N:11 Bayraklı /İzmir/ Türkiye

+90 232 503 85 88

www.biorgfresh.com info@biorgfresh.com

1.4. Emergency telephone numbers:

Ministry of Health UZEM phone number: In case of poisoning, call the 114 number of the National Poison Information Center (UZEM) or the 112 number of the emergency health services.

Emergency telephone numbers: 0256 231 07 30

2. HAZARD IDENTIFICATON

2.1. Classification of the Substance or Mixture

Classification of Substances or Mixtures according to the regulation on SEA (OJ 11.12.2013 No.28848 reiterated)

Physical and chemical hazards:

Not relevant

Health Hazards:

Eye Irr. Cat.2 ; H319

Skin Irr. Cat.2 ; H315

Environmental Hazards:

Not relevant.

2.2.Label Elements

Hazard Pictograms:



GHS07

Signal word:

ATTENTION

Hazard Statements:

Physical Hazards	Health Hazards	Environmental Hazards
Not relevant	H315:Causes serious skin irritation. H319: Causes serious eye irritation.	Not relevant

Additional Hazard Statements:

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Not relevant.

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Precautionary Statements:

Prevention	P264: Wash thoroughly with plenty of water after handling. P280: Wear protective gloves/protective clothing/eye protection/face protection.
Response	P302 + P352: IF ON SKIN: Wash with plenty of water and soap P321: Specific treatment, see the label. P332 + P313: If skin irritation occurs: Get medical advice/attention. P337 + P313: If eye irritation persists: Get medical advice/attention. P362: Wash contaminated clothing before reuse. P305 + P351 + P338: IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

2.3.Other Hazards: No data

3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2.Mixtures

Substances	Concentration %(w/w)	CAS No	EINCES NO	Classification SEA(CPL)
Labsa	<%5	85536-14-7	287-494-3	Skin Cor. 1B; H314 Acute Tok 4;H302(oral)
Alkyl polyglycoside	<%5	68515-73-1	-	Eye Damage 1;H318 Aquatic acut 3;H402
Sodium hydroxide %	<%1	1310-73-2	215-185-5	Skin Cor. Cat 1A;H 314
Thickener, essence, dye	<%2	-	-	-
Deionized water	>%85	7732-18-5	-	-

4. FIRST AID MEASURES

As a general rule, consult a doctor when an unexpected situation is encountered or symptoms persist. Never try to make an unconscious person vomit.

4.1. Description of First Aid Measures

4.1.1.Inhalation:

No symptoms are observed. Remove person to fresh air.

4.1.2. Eye Contact:

If you have contact lenses, check and remove. In case of contact with eyes, wash with plenty of water by occasionally lifting the upper and lower lids and consult a doctor.



4.1.3. Skin Contact:

In case of contact with skin, wash with plenty of water. Take off your contaminated clothes. In case of irritation, consult a doctor.

4.1.4. Ingestion:

Do not vomit. Never give anything by mouth in case of fainting. Check breathing and heartbeat. In case of vomiting, keep your head down so that the stomach contents do not escape into the lungs. See a doctor right away!



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

4.2.1.Inhalation

Remove person to fresh air. Keep calm and warm.



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4.2.2.Skin Contact

Avoid prolonged contact.

4.2.3.Eye Contact

Causes eye irritation.

4.2.4. Ingestion

May cause nausea and vomiting

4.2.5. Long-Term Effects

Eye irritations may occur.

4.3. Indication of any immadiate medical attention and treatment needed

Be psychologically supportive and act on the findings.

5. FIREFIGHTING MEASURES

5.1. Suitable extinguishing media

Use alcohol resistant foam, dry chemicals, water mist, carbon dioxide fire extinguishers. Cool containers with water after fire is out. In large fires, the fire department should be notified. Care should always be taken to create an escape route in case of fires.

5.2. Special hazards arising from the substance or mixture

Do not let it mix with any chemicals. It can form carbon oxide and sodium oxide.

5.3. Advise for firefighters

Avoid breathing fire fumes. Cool containers exposed to flames with water until the fire is out. If this can be done without danger, remove the container from the fire area. Prevent firefighting water from running into sewers and waterways. Pull a dam to keep the water under control. Use respirator for firefighting. Wear a protective face mask, protective gloves and safety helmet. Firefighters should avoid breathing any combustion products.

6. ACCIDENTAL RELEASE MEASURES (Avoid contact with skin and eyes.)

6.1. Kişisel önlemler, koruyucu donanım ve acil durum prosedürleri

6.1.1 For Non – Emergency Personnel

Wear adequate protective clothing. Provide fresh air indoors. Consult an expert for emergency procedures. Avoid contact with eyes.

6.1.2 For Emergency Responders

Use the gloves and eye protection equipment specified in section 8. Evacuate the danger area and prevent unnecessary and unprotected persons from entering the area. Get personnel to safe area. Do not smoke, do not use fire, do not use anything else igniting. Avoid breathing vapors and contact with eyes. Provide adequate ventilation. Beware of slippery floors and surfaces in case of spillage.

6.2. Environmental Precautions

Prevent it from mixing with channels, surface and underground waters. Inform the competent authorities if it enters the waters. Prohibit entry to the area until cleaning is complete. Extinguish any fire or remove all sources of ignition and ventilate the area.

6.3. Methods and material for containment and cleaning up

Wash small spills with plenty of water. Absorb large amounts of spillage in liquid-retaining inert material (dry sand or earth) and place in chemical waste containers. Dispose according to regional/national regulations. Provide ventilation.

6.4. References to other sections

See Section 13

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7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Observe the warnings and industrial safety precautions on the label. Use protective clothing when there is a risk of exposure. Consider necessary chemical hygiene measures. Wash your hands with plenty of soap and water after work. Avoid hand and eye contact. Do not eat, drink or smoke during use. The container must be tightly closed. Protect from direct sunlight.

7.1.1. General Recommendations for Handling

Wear protective gloves. Avoid direct contact of the substance with eyes during manual handling.

7.1.2. Warnings Regarding Incompatibilities of Substances or Mixtures

Keep away from oxidizing agents.

7.1.3. Environmental Recommendations

Prevent from entering sewers and water sources. In case of interference, notify the competent authorities.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from food, drink and animal feeding stuffs. Do not open packages that have built up pressure. Store in a cool, dry and well-ventilated place away from incompatible materials. Protect from heat, sparks, fire and direct sunlight in well-closed containers. The floor should not be permeable to the product and it should be ensured that the product is collected in a certain place with the duct system in case of accidental spillage. The warehouse should be away from animal feeding areas.

7.3. Specific end use(s)

No information.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Control Parameters

Exposure limits/standards

TLV-Ceiling: 2 mg/m³ (Sodium hydroxide)

STEL (10 dak.): 2 mg/m³ (UK) (Sodium hydroxide)

PEL: 2 mg/m³

Provide ventilation where appropriate. Provide safety showers in case of skin and eye contact.

8.2. Exposition Controls

8.2.1. Appropriate Engineering Controls

No information.

8.2.2. Individual protection measures

General protection and hygiene measures

Do not eat, drink or smoke where the material is handled. Keep away from foodstuffs, drinks and feedstuffs. Take off your contaminated clothing. Avoid eyes and contact. Safety showers and eye wash should be readily available

8.2.2.1. Eye-Face Protection:

Use suitable safety glasses when splashing is possible. For example according to EN 166. Provide eyewash and emergency shower facilities in the work area.

8.2.2.2. Hand-Skin Protection:

Wear suitable gloves to avoid skin contact.

8.2.2.3. Respiratory Protection

No specific recommendation has been made, but use respirator conforming to OSHA General Industry Standards if established standards are exceeded.

8.2.3. Environmental exposure controls

No information





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8.2.4. Hygiene Measures

DO NOT SMOKE IN WORKING PLACES! Wash your hands at every change of shift and before eating, smoking and going to the toilet. Immediately remove all contaminated clothing. In case of skin contamination, wash immediately with soap and water. Use a suitable skin cream to prevent the skin from drying out. Do not eat, drink or smoke during use.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

- | | |
|-------------------------------------------------|--------------------------------|
| a) Appearance | : Transparnt clear liquid |
| b) Odor | : Floral scent |
| c) Odor Threshold | : Not applicable |
| d) pH | : 7-8 |
| e) Melting / Freezing Point | : No information |
| f) Starting Boiling Point / Boiling Range | : No informtaion |
| g) Flash Point | : No information |
| h) Evaporation Rate | : No information |
| i) Flammability | : No information |
| j) Upper/lower flammability or explosive limits | : No information |
| k) Vapor Pressure | : No information |
| l) Vapor Density | : No information |
| m) Relative Density | : No information |
| n) Solubility | : Completely soluble in water. |
| o) Partition coefficient:n-octanol water | : No information |
| p) Flaming Temperature | : No information |
| q) Decompositon Tmperature | : No information |
| r) Mobility | : No information |
| s) Explosive Property | : No information |
| t) Oxidazing Property | : No information |

9.2. Other information

No information

10. STABILITY AND REACTIVITY

10.1. Reactivity

It is stable under normal conditions. No known reaction.

10.2. Chemical Stability

It is not stable at high temperatures, in daylight.

10.3. Possibility of hazardous reactions

No information.

10.4. Conditions to avoid

Heat, high temperature.

10.5. Materials to avoid

No information.

10.6. Hazardous decomposition products

Sodium oxide, carbon oxide.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

11.1.1. Substances



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Toxic Limit

When used correctly, no dysfunction is expected in the wastewater treatment plant.

LD50/oral/rabbit= 500 mg/kg oral to guine pig LD50 (Sodium hydroxide)

11.1.2. Mixtures

11.1.2.1

	Conclusion and thoughts
Acute toxic	No information.
Irritation	Causes serious eye and skin irritation.
Corrosive	No information.
Sensitivity	No information.
Repeated dose toxicity	No information.
Carcinogenicity	According to the international cancer research agency, this product does not contain carcinogenic substances.
Mutagenite	There is no information about the content of the substance causing mutagenic adverse effects.
Reproductive toxicity	There is no evidence of fertility and developmental effects.
Aspiration	No information.

11.2 Hazard Classification

Eye irritation

Skin irritation

11.3 Hazard information as the substance is placed on the market

Eye irritation Category 2;H319

Skin irritation Category 2;H315

11.4 Information About Test Data

No information

11.5 Additional Information on Classification Criteria

Not relevant

11.6 Information on Possible Routes of Exposure

If swallowed	It causes nausea.
Skin Contact	In case of prolonged contact, it causes the natural oil of the skin to be removed.
In case of splashes or contact with eyes	Causes serious eye irritation.
If inhaled	It can be taken out to fresh air.
Target organs	Eye and skin
Medical Warnings	In case of contact with eyes, rinse with plenty of clean water. If swallowed, do not induce vomiting.

11.7 Information on Physical, Chemical and Toxicological Properties

The chemical, physical and toxicological properties have not been fully studied.

11.8 Delayed or Immediate Effects as well as Chronic Effects in Short- and Long-Term

Exposure

No information.

11.9 Interactive Effects

The interaction effects of each substance in the product with each other have not been fully studied.

11.10 Absence of Specific Data

No specific data is available.



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11.11 Mixture and Substance Comparison Information

No information.

11.12 Other information

No information.

11.13 Additional Toxicological Warnings:

Toxicological classification was made based on content information and available information.

12. ECOLOGICAL INFORMATION

12.1. Toxicity

Sodium Hydroxide [CAS# 1310-73-2]:

Acute Fish Toxicity (LC50 96 Hours): 196 mg/l

Acute Daphnia Toxicity (EC50 48Hr): 40.38 mg/l

Acute Crustacean Toxicity (EC50 48 Hours): 40.4 mg/l

Ecotoxicity data have not been specifically determined for the assessment of the environmental hazard of this product. The information given in this section belongs to the information on the components and the ecotoxicity of similar substances.

12.2.Persistence and degradability

No information.

12.3.Bioaccumulative potential

No information.

12.4.Mobility in soil

Solubility in Water	The product is well soluble/miscible in water.
Surface Tension	No information
Water Threat Class	No information about its mobility in the soil and its water threat class.
Effect on Drinking Water	No information about its mobility in soil and its effect on drinking water.

12.5.Results of PBT and vPvB assessment

No information.

12.6.Other adverse effects

No information..

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

It should not be disposed of with household waste. Do not discharge into drains and water channels. According to the legislation, it should be stored in the appropriate area and within the time period.

13.2 Disposal methods

It must be disposed of in accordance with the legislation. Deliver to professional licensed waste disposal companies.

It should not allow the product packaging and product to be disposed of with household waste. The product and its packaging should not be mixed with sewage and groundwater.

14. TRANSPORT INFORMATION

Necessary precautions should be taken during the transportation of the product and the rules on the road route should be followed.

LAND TRANSPORT-ADR/RID;

It is not classified as a dangerous product, there is no special transportation requirement.

SEA TRANSPORT -IMO/IMDG;

It is not classified as a dangerous product, there is no special transportation requirement.



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AIR TRANSPORT -IATA/DGR;

It is not classified as a dangerous product, there is no special transportation requirement.

14.5. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

No information.

15. REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific fort he substance or mixture

Product; It has been classified and labeled according to the procedures and principles stipulated in the "Regulation on Classification, Labeling and Packaging of Substances and Mixtures" and "EU legislation".

Review the following regulations for legislation or other national measures that may be of interest to enforce the provisions of this safety data sheet.

- Regulation on Safety Data Sheets Regarding Harmful Substances and Mixtures
- Regulation on Classification, Labeling and Packaging of Substances and Mixtures
- Regulation on Restrictions on Production, Placement on the Market and Use of Certain Hazardous Substances, Preparations and Goods
- Occupational Health and Safety Regulation
- Regulation on Health and Safety Precautions in Working with Carcinogenic and Mutagen Substances
- Regulation on Health and Safety Precautions in Working with Chemical Substances
- Regulation on the Use of Personal Protective Equipment at Workplaces
- Manual Transport Regulations
- Regulation on Control of Hazardous Wastes
- Regulation on Preventing Major Industrial Accidents and Reducing Their Effects

16. OTHER INFORMATIONS

16.1. Regulation

This document has been prepared in accordance with 91/155/EEC, 2001/58/EC, ISO 11014-1 within the framework of the "Regulation on Safety Data Sheets for Hazardous Substances and Mixtures" dated 13 December 2014 and numbered 29204 and has been prepared and approved by accredited expert personnel who have been certified in accordance with the regulation.

16.2. Information of the preparer of the Safety Data Sheet

GÖKOĞLU KİMYA GİD. REK. İNŞ. KOZ. SAN. VE TİC. LTD. ŞTİ.Prepared on your behalf.

Preparer: NURHAN KOÇ

Expert Accreditation No.: TUV/01.370.02

16.3.Revision Date

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16.4.Revision No

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16.5. Reason for Revision

It was arranged for the first time in accordance with the regulation numbered 29204 and December 13, 2014

16.6. Hazard and Precautionary Statement

H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation



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H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H402	Harmful to aquatic life
P264	Wash thoroughly with plenty of water after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection
P302 + P352	IF ON SKIN: Wash with plenty of water and soap
P321	Specific treatment, see the label.
P332 + P313	If skin irritation occurs: Get medical advice/attention.
P337 + P313	If eye irritation persists: Get medical advice/attention.
P362	Wash contaminated clothing before reuse.
P305 + P351 + P338	IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

16.7. Explanations on Hazard Classification Methods

<p>Skin Irritation Category 2</p>	<p><u>Classification Definition</u> Skin irritation refers to the occurrence of reversible skin damage up to 4 hours after application of a test substance.</p> <p><u>Category Classification</u> Category 2 (redness/wound on the skin in at least 2 of 3 animals) Exposure: 24, 48 and 72 hours Observation: 14 days</p> <p><u>Concentration Limit Value</u> ≥%1 C < 5%</p>
<p>Eye Irritation Category 2</p>	<p><u>Classification Definition</u> Eye irritation is the occurrence of completely reversible changes in the eye within 21 days of application following application of a test substance to the anterior surface of the eye.</p> <p><u>Category Classification</u> Category 2 (positive response in at least 2 of 3 animals: -corneal opacity ≥1 and or -iritis ≥1 and/or -Conjunctival redness ≥2 and/or -Conjunctival edema (chemosis) ≥2 Observation:24,48,72. Calculated as average scores following grading in hours and completely lost over a 21-day observation period.</p> <p><u>Concentration Limit Value</u> ≥1 but < 3%</p>

16.8. References/Resources

- Safety Data Sheet(s) for the raw material prepared by the manufacturer.
- “Regulation on Safety Data Sheets for Hazardous Substances and Mixtures” and its annexes.
- “Regulation on Classification, Labeling and Packaging of Substances and Mixtures” and its annexes.
- “Regulation on Health and Safety Precautions in Working with Carcinogenic and Mutagen Substances” and its annexes.
- Other relevant local regulations.
- UN ADR, IMDG, IATA lists, ECHA and relevant EU directives.



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- Other resources.

16.9 Additional Information

This safety data sheet has been prepared based on the information and documents received from the product owner company. The preparer of the SDS cannot be held responsible for the erroneous arrangement of the SDS prepared due to incomplete or incorrect information and documents, and for the material damages and moral negativities that the product owner company may encounter due to this reason. This SDS is in addition to, but does not replace, the manufacturer's instructions. The above information is given as health and safety data. It is not legally binding and does not create a contractual relationship. The information in this information relates to the specific material(s) mentioned in this text and does not apply to materials used in combination with other materials or in any process, and materials that have been modified or treated, unless otherwise stated in the text. It should be applied by the method specified on the product label and product data sheet in this form. The information found includes the regulatory criteria known during the preparation of the Safety Form. Necessary information has been prepared on the basis of the "Regulation on the safety data sheets on harmful substances and mixtures (R.G. dated 13.12.2014 and numbered 29204)".

Relevant institutions and persons are requested to act in accordance with this regulation.

The product-related information in this Safety Data Sheet has been compiled from what is known about the individual ingredients. The data here are based on current knowledge and experience. This Safety Data Sheet examines the product in terms of safety requirements and does not make any guarantees regarding the product's features. The data here is valid only when the product is used for the appropriate application(s). The product is not sold as suitable for other applications. Its use in applications other than its intended use may lead to risks not mentioned in this list. Do not use for other application(s) without consulting the manufacturer. The sections that say "No Information" or "No Data" indicate that there is no definite information obtained in the studies.

- SDS: Safety Data Sheet
- OJ: Official Journal
- Within the framework of the "Regulation on Classification, Labeling and Packaging of Substances and Mixtures" dated 11 December 2013 and No. 28848
- CLP: Classification, Labeling, Packaging
- GHS: Global Harmonised System
- Within the framework of the "Regulation on the Preparation and Distribution of Safety Data Sheets for Dangerous Substances and Preparations" dated 26 December 2008 and No. 27092
- 67/548/EEC – European Union substances directive
- EINECS: European Inventory of Existing Commercial Chemical Substances.
- CAS: Chemical Abstracts Service Number (American Chemical Society Division).
- SAE: Regulation on Classification, Packaging and Labeling of Hazardous Substances published in OJ.-26/12/2008-27092
- DSD: Dangerous Substances Directive
- SEA: Regulation on Classification, Labeling and Packaging of Substances and Mixtures published in OJ.-11/12/2013-28848
- NIOSH: The National Institute for Occupational Safety and Health
- TWA: Time weighted Average
- Mg/m³: The amount of substance in milligrams in 1 m³ air at pressure (760 mm mercury pressure) at 20 °C and 101.3 kPa.
- ppm: parts per million
- CEN: Comité Européen de Normalisation
- NTP: National Toxicology Program
- UZEM: National Poison Information Center
- IMO: International Maritime Organization
- IARC: The International Agency for Research on Cancer



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- OSHA : Occupational Safety and Health Association
- Ref: MSDS Bromine Tablet, ShanghaiHenglijieCo.Limited.
- EWC : European Waste Katalog
- ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
- RID: Regulations Concerning the International Transport of Dangerous Goods by Rail
- ADN: European Agreement Concerning the International Carriage of Dangerous Goods by In land Waterways
- IMDG: International Maritime Code for Dangerous Goods
- ICAO: International Civil Aviation Organization
- IATA: International Air Transport Association
- N.O.S: Not Otherwise Specified
- STOT: Specific Target Organ Toxicity
- C: Concantration

SAFETY DATA SHEET PREPARED

Chemical Engineer- Nurhan KOÇ

Lisans No: TUV/01.370.02

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