

THE SDS PREPARED ACCORDING TO REGULATION ON THE SAFETY DATA SHEETS RALATING TO HAZARDOUS SUBSTANCES AND MIXTURES (13.12.2014 / 29204)

### PRODUCT NAME:Surface Cleaner Flowers

 Release Date
 :25.08.2015

 Revision Date
 :10.01.2023

 FORM NO: BMS.39
 Revision No :03

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

#### 1.1. Identification of the substance / Mixture

Product Description:**FLOWERS-SURFACE CLEANER** Product Code: 39

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

It is a surface cleaner product suitable for industrial and domestic use.

### **1.3.** Details of the supplier of the Safety Data Sheet

Manufacturer Company: GÖKOĞLU KİMYA GID. 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: <u>nurhandogan83@gmail.com</u> **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: Not relevant Environmental Hazards: Not relevant. 2.2. Label Elements Hazard Pictograms: Not relevant Signal word: Not relevant Hazard Statements:

Physical Hazards	Health Hazards	Environmental Hazards		
Not relevant	Not relevant	Not relevant		
Additional Hazard Statements:				
Not relevant.				
Precautionary Statements:				
Response	P305 + P351 + P338: IF IN EYE	05 + 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.



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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

3.2. Mixtures				
Substances	Concentration %(w/w)	CAS No	EINCES NO	Classification SEA(CPL)
Ethyl alcohol	<%5	64-17-5	200-578-6	Flam. Liq 2;H225
Alkylpolyglucoside	%2	68515-73-1	-	Eye Irr.1; H318 Acute Aquatic Cat 3;H402
Deionized water	>%90	7732-18-5	-	Not dangerous

### 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 the patient 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.

### 4.1.4. Ingestion:

Do not vomit. Never give anything by mouth in case of fainting. In case of vomiting, keep the head low so that the contents of the stomach do not enter the lungs. See doctor immediately.

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

#### 4.2.1. Inhalation

No symptoms are observed.

### 4.2.2. Skin Contact

Avoid prolonged contact.

# 4.2.3. Eye Contact

It can cause serious damage.

### 4.2.4. Ingestion

It can cause nausea, vomiting.

### 4.2.5. Long-Term Effects

Permanent eye irritation may occur due to prolonged exposure.

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 foam, dry chemicals, water mist, carbon dioxide fire extinguishers. After fire is out, cool containers with water. 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.

#### **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





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munning into couvers and waterways D	ull a dam to keep the water under control. Use respirator for	

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. Personal precautions, protective equipment and emergency procedures

### 6.1.1 For Non – Emergency Personnel

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

### 6.1.2 For Emergency Responders

Use personal 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 skin and eyes. Provide adequate ventilation. Beware of slippery floors and surfaces in case of spillage.

### **6.2.** Environmental Precautions

Prevent from mixing with channels, surface and underground waters. Inform the competent authorities if it enters waters or sewers. 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

# 7. HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Observe label warnings and industrial safety precautions. 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 contact with eyes. Do not eat, drink or smoke during use. The container must be tightly closed. Protect from direct sun rays.

# 7.1.1. General Recommendations for Handling

Wear chemical safety glasses. Avoid direct contact of the substance with skin and eyes during manual handling.

7.1.2. Warnings Regarding Incompatibilities of Substances or Mixtures

No information.

# 7.1.3. Environmental Recommendations

Prevent from entering sewers and water sources.

### 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 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



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8. EXPOSURE CONTROLS / PERSONAL PROTECTION	<b>Z</b>	
8.1. Control Parameters		
Exposure limits/standards		
Have an eye wash. Handle in accordance with industrial hygiene and s	afety rules. Wash	h your hands
before breaks from work and at the end of the day.		
8.2. Exposion 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 aw	vay from foodstu	uffs, drinks and
feedstuffs. Take off your contaminated clothing. Avoid contact with ey	yes and skin. Safe	ety showers and
eye wash must be ready for use.		
8.2.2.1. Eye-Face Protection:		
Use suitable safety glasses and/or full face shield when splashing is po	ssible.	
8.2.2.2. Hand-Skin Protection:		
Wear suitable gloves to avoid skin contact.		
8.2.2.3. Respiratory Protection		
No information.		
8.2.3. Environmental exposure controls		
No information.		
8.2.4. Health measures		
DO NOT SMOKE IN WORKING PLACES! Wash your hands at e	• •	
eating, smoking and going to the toilet. Immediately remove all conta		
contamination, wash immediately with soap and water. Use a suitable	skin cream to pre	event 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	: Pınk liquid		
b)Odor	: Flower		
c)Odor Threshold	: Not applicable		
d) pH	: 6-7		
e) Melting / Freezing Point	: No infomation.		
f) Starting Boiling Point / Boiling Range	: No information		
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		
1) Vapor Density	: 0,98 gr/cm <sup>3</sup> 20°C		
m)Relative Density	: No information		
n)Solubility	: It is 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		



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# t) Oxidazing Property

9.2. Other information

No information

# : No information

# **10. STABILITY AND REACTIVITY**

### 10.1. Reactivity

It is stable under normal conditions. No known reaction.

10.2. Chemical Stability

Not stable at high temperatures and in daylights.

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

No information.

# **11. TOXICOLOGICAL INFORMATION**

# 11.1. Information on toxicological effects

# 11.1.1.Substances

# **Toxic Limit**

When used correctly, no dysfunction is expected in the wastewater treatment plant. ACUTE TOXIC DOSE 1 – LD 50 6200 mg/kg (oral exposure - rat) – ethyl alcohol ACUTE TOXIC DOSE 2 – LD 50 7060 mg/kg (oral exposure - rabbit)-ethyl alcohol ACUTE TOXIC DENS. – LC50 124.7 mg/l/4h (inhalation exposure – rat)-ethyl alcohol 11.1.2.Mixtures

### 11.1.2.1

	Conclusion and thoughts
Acute toxic	No information.
Irritation	May cause eye 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.
Mutajenite	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**

Not relevant

### 11.3 Hazard information as the substance is placed on the market

Not relevant

### **11.4 Information About Test Data**

No information



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# **11.5 Additional Information on Classification Criteria** No information.

# **11.6 Information on Possible Routes of Exposure**

If swallowed	It causes nausea.
Skin Contact	It causes the natural oil of the skin to be removed and accordingly it
	causes severe burns.
Eye Contact	May cause eye irritation.
If inhaled	No symptoms are observed.
Target organs	Eye
Medical Warnings	In case of contact with eyes and skin, rinse with plenty of clean
C C	water. If swallowed, do not induce vomiting.
11.7 Information on Ph	ysical, Chemical and Toxicological Properties
The chemical, physical	and toxicological properties have not been fully studied.
11.8 Delayed or Immed	liate Effects as well as Chronic Effects in Short- and Long-Term
Exposure	
No information.	
<b>11.9 Interactive Effects</b>	
The interaction effects o	f each substance in the product with each other have not been fully studied
11.10 Absence of Speci	fic Data
No specific data is avail	able.
11.11 Mixture and Sub	stance Comparison Information
No information.	-
11.12 Other informatio	n
No information.	
No information. 11.13 Additional Toxic	ological Warnings:

# **12. ECOLOGICAL INFORMATION**

### 12.1.Toxicity

No danger to the environment is expected.

Fish LC50: 11000 mg/1/96 h-ethyl alcohol Daphnia EC50: 3715-6772 mg/l/48h-ethyl alcohol

Algae IC50:9310 mg/l/72h-ethyl alcohol

**12.2.Persistance and degradability** 

No information.

### **12.3.Bioaccumulative potential**

No information.

#### **12.4.**Mobility in soil

in som		
Solubility in Water	The product is well soluble/miscible in water, may spread in water systems.	
Surface Tension	No information	
Water Threat Class	No information about its mobility in the soil and its water threat class.	
Effect on Drinking	No information shout its mobility in soil and its offerst on drinking mater	
Water	No information about its mobility in soil and its effect on drinking water.	
12.5. Describe of DDT and vDvD accessment		

# 12.5. Results of PBT and vPvB assessment

No information.

# 12.6.Other adverse effects

No information.



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# **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. AIR TRANSPORT -İATA/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"



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- "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.
- 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



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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: Offical 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 Safet yand Health
- TWA: Time weighted Average
- Mg/m<sub>3</sub>: The amount of substance in milligrams in 1 m<sub>3</sub> air at pressure (760 mm mercury pressure) at 20 oC and . 101.3 KPa.
- ppm: parts per million
- CEN: ComiteEuropeen de Normalisation •
- NTP: National Toxicology Program •
- **UZEM:** National Poison Information Center
- IMO: International Maritime Organization
- IARC: The International Agency for Research on Cancer
- **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
- ADNR: 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

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