

SULFURIC ACID 50%

Version: 2.0
Form No: 424003

Preparation Date : 21.12.2018
Revision Date : 19.02.2024

1. IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY/UNDERTAKING

1.1 Product Identifier

Substance Name	SULFURIC ACID 50%
Synonyms	Sulfuric acid solution
SDS No	424003
CAS No	7664-93-9
EINECS No	231-639-5

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Relevant Identified Uses	Used in industrial applications.
Uses Advised Against	Do not use for products which come into direct contact with the skin.

1.3 Details of the Supplier of the Safety Data Sheet

1.3 Supplier

Company	SÖZ KİMYEVİ MAD.GIDA TUR.TİC.LTD.ŞTİ.
Address	Atatürk Cad. Aktepe San. Sitesi Sarmaşık Sok.N:10 Tuzla – İSTANBUL
Tel	+90 216 304 13 33 - 34 pbx
Fax	+90 216 304 15 35
E-mail	ismailozdal@sozkimya.com

Information Providing Authority About Safety Data Sheet

İsmail Özdal

1.4 Emergency Telephone Number

Company Emergency	+90 216 304 13 33 - 34 pbx
Opening Hours	This number is only available during the following office hours: Mon-Fri 09:00 - 17:00

2. HAZARDS IDENTIFICATION

2.1 Classification of the Substance or Mixture

2.1.1 Classification According to Regulation (EC) No 1272/2008

· Skin corrosion/irritation, Category 1A; H314

2.1.2 Additional Information

For full text of abbreviations: see Section 16.

2.2 Label Elements

Labeling According to Regulation (EC) No 1272/2008 [CLP¹/GHS²]

Product Identifier

Hazard Component for Labeling

· Sulfuric acid (49-50%)

Hazard Pictograms



GHS-05

Signal Word

DANGER

Safety Data Sheet
According to 1907/2006 (REACH), Article 31
amended by Regulation (EU) 2020/878

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Hazard Statements

H314 Causes severe skin burns and eye damage.

Precautionary Statements

General

-

Prevention

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

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

Response

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

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

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

P310 Immediately call a POISON CENTER or doctor/ physician.

Storage

-

Disposal

P501 Dispose of contents/container in accordance with local/ regional/ national/international regulation.

Supplemental Hazard Information (EU) Statements

-

2.3 Other Hazards

Results of PBT and vPvB Assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

Endocrine Disrupting Properties

Does not contain an endocrine disruptor (ED) at a concentration of $\geq 0,1\%$

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances / Mixtures

NAME	EINECS NO CAS NO.	CONTENT %	CLASSIFICATION CLP	CLASSIFICATION CLP
Sulfuric acid*	231-639-5 7664-93-9	49-50	Skin Corr. 1A; H314	Skin Corr. 1A; H314: $C \geq 15 \%$ Skin Irrit. 2; H315: $5 \% \leq C < 15 \%$ Eye Irrit. 2; H319: $5 \% \leq C < 15 \%$

*: Note B

3.1.1 Additional Information

Full text of H- and EUH-phrases: see section 16.

Some substances (acids, bases, etc.) are placed on the market in aqueous solutions at various concentrations and, therefore, these solutions require different classification and labelling since the hazards vary at different concentrations. , In Part 3 entries with Note B have a general designation of the following type: "nitric acid ... %". , In this case the supplier must state the percentage concentration of the solution on the label. Unless otherwise stated, it is assumed that the percentage concentration is calculated on a weight/weight basis

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4. FIRST AID MEASURES

4.1 Description of First Aid Measures

4.1.1 General Notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

4.1.2 Following Inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.



4.1.3 Following Skin Contact

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.
Remove contaminated clothing and wash before re-use.
Seek medical attention.



4.1.4 Following Eye Contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.



4.1.5 Following Ingestion

Rinse mouth with water (only if the person is conscious).
If swallowed, do NOT induce vomiting.
Give a glass of water.
Seek medical attention.



4.1.6 Self-Protection of the First Aider

Protect skin and eyes.
Wear protective cloths.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms and effects are not known to date.

4.3 Indication of Any Immediate Medical Attention and Special Treatment

Keep the injured under health care for bronchitis, trachea and lung edemas.
Aggravating harmful effects can take place

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing Media:

Suitable extinguishing media

- Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media

- Water jet.

5.2 Special Hazards Arising from the Substance or Mixture

- Carbon oxides, toxic fumes

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5.3 Advice for Firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

5.4 Additional Information

- If involved in a fire, keep containers cool with water spray.
- Containers may explode when heated.
- If safe to do so, remove containers from path of fire.
- Consider evacuation.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precautions, Protective Equipment and Emergency Procedures

6.1.1 For Non-Emergency Personnel

- Remove persons to safety.

6.1.2 For Emergency Responders

- Wear breathing apparatus if exposed to vapours/dust/spray/gases.

6.2 Environmental Precautions

- Prevent further leakage or spillage if safe to do so.
- Stop leak if safe to do so.
- Do not let product enter drains.
- Discharge into the environment must be avoided.
- If contamination of sewers or waterways has occurred advise emergency services or local regulatory body.
- Spillages or uncontrolled discharges into watercourses must be alerted to the Environmental Agency or other appropriate regulatory body.

6.3 Methods and Material for Containment and Cleaning Up

Advice on how to contain a spill

Covering of drains.

Advice on how to clean up a spill

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder.

Appropriate containment techniques

Neutralisation techniques. Use of adsorbent materials.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

6.4 Reference to other sections

Hazardous combustion products: see Section 5.

Personal protective equipment: see Section 8.

Incompatible materials: see Section 10.

Disposal considerations: see Section 13.

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7. HANDLING AND STORAGE

7.1 Precautions for Safe Handling

7.1.1 Protective Measures

7.1.1.1 Measures to Prevent Fire

Keep away from sources of ignition - No smoking.
Take measures to prevent the buildup of electrostatic charge.
Remove all sources of ignition.
Beware of vapors accumulating to form explosive concentrations.

7.1.1.2 Measures to Prevent Aerosol and Dust Generation

Check the amounts in atmosphere where the people work in accordance with the professional exposure limits.
Use local and general ventilation. Use only in well-ventilated areas.

7.1.1.3 Measures to Protect the Environment

Prevent mixing with sewage/surface water/groundwater. In case of mixing with water or sewage, notify the competent authorities and inform the officials.

7.1.2 Advice on General Occupational Hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feeding stuffs.

7.2 Conditions for Safe Storage, Including any Incompatibilities

Store in cool place and out of direct sunlight.
Store in well-ventilated area.
Store away from sources of heat or ignition, static electric.
Keep containers securely sealed and protected against physical damage.
Maximum storage time: 6 months.
Recommended storage temperature: 5-30°C.
Only packagings which are approved (e.g. acc. to ADR) may be used.

7.3 Specific End Uses

See section 16 for a general overview.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Preventive industrial and medical examinations must be carried out according to the application area.

8.1.1 Occupational Exposure Limits

Country	Name of agent	CAS No	Identifier	TWA [mg/m ³]	Notation	Source
EU	sulfuric acid	7664-93-9	IOELV	0,05	mist, t	2009/161/EU

mist as mists

t thoracic fraction

TWA time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

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Derived No Effect Level (DNEL)

- Application Area /Exposure routes /Health effect /Value
- Workers Inhalation Acute local effects 0.1 mg/m³
- Workers Inhalation Long-term local effects 0.05 mg/m³

Predicted No Effect Concentration (PNEC)

- Compartment /Value
- Marine water 0.00025 mg/l
- Fresh water 0.0025 mg/l
- Marine sediment 0.002 mg/kg
- Fresh water sediment 0.002 mg/kg
- Onsite sewage treatment plant 8.8 mg/l

8.1.2 Other Exposure Information

- None

8.2 Exposure Controls

8.2.1 Appropriate Engineering Controls:

- In industrial situations maintain the concentrations values below the TWA.
- This may be achieved by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods.
- See Section 7

8.2.2 Personal Protection Equipment

8.2.2.1 Eye / Face Protection:

- Tightly fitting safety goggles.
- Face shield (8-inch minimum).
- Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).



8.2.2.2 Skin Protection

Hand protection

- Handle with gloves.
- Gloves must be inspected prior to use.
- Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product.
- Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.
- The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it.



Body protection

- Complete ammonia suit protecting against ammonia, flame retardant antistatic protective clothing, and the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.



Other protection

- Handle in accordance with good industrial hygiene and safety practice.
- Wash hands before breaks and at the end of workday.
- Wash thoroughly after using product.

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- Wash contaminated clothing.
- Wash hands before eating or drinking.



8.2.2.3 Respiratory Protection

- Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator.
- Use respirators and components tested and approved under appropriate government Standards such as NIOSH (US) or CEN (EU)
- Use NIOSH/MSHA approved respiratory protection (air purifying or air supplying) when concentrations are above exposure limit value.
- A respiratory protection program that meets OSHA 29 CFR part 1910.134 and
- ANSI Z88.2 requirements must be followed whenever workplace conditions warrant the use a respirator.



8.2.3 Environmental Exposure Controls

- Legislation for the protection of the environment must be met in full.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

	Value
Form/Physical state	Liquid
Color	Colorless
Odor	Odorless
pH (1N) (25 °C)	No data available
Freezing point/range (°C)	No data available
Melting point/range (°C)	-33,67
Boiling point/range (°C) 101,3 kPa	290
Flash point (°C)	No data available
Vapour pressure hPa at 20 °C	No data available
Density kg / L (100% sulfuric acid)	1,8305
Viscosity, @ 20 ° C, mPa * s (95% sulfuric acid)	22,5
Decomposition Temperature, °C	340
Solubility in water	Soluble
Partition coefficient n-Octanol/Water (log Po/w)	No data available
Oxidation Property	No data available

9.2 Other Information

Molecular mass, g/mol	98,08
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Note : The above features was determined according to prescribed methods at the Classification, Packaging and Labeling of Hazardous Substances Regulation Section A-3 or a method comparable to the other.

10. STABILITY AND REACTIVITY

10.1 Reactivity

- Decomposes at temperatures of 340 °C and above.

10.2 Chemical stability

- Stable under normal pressures and cool temperatures.

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10.3 Possibility of Hazardous Reactions

- May cause explosion or harmful reactions due to contact with incompatible materials.

10.4 Conditions to Avoid

- There are no specific conditions known which have to be avoided.

10.5 Incompatible Materials

- Bases, Halides, Organic materials, Carbides, fulminates, Nitrates, picrates, Cyanides, Chlorates, alkali halides, Zinc salts, permanganates, e.g. potassium permanganate, Hydrogen peroxide, Azides, Perchlorates., Nitromethane, phosphorous, Reacts violently with: cyclopentadiene, cyclopentanone oxime, nitroaryl amines, hexalithium disilicide, phosphorous(III) oxide, Powdered metals

10.6 Hazardous Decomposition Products

- Hazardous decomposition products formed under fire conditions. - Sulphur oxides, carbon oxides
- Other decomposition products - No data available.

11. TOXICOLOGICAL INFORMATION

11.1 Information on Hazard Classes as Defined in Regulation (EC) No 1272/2008

- No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label.
- Symptoms or effects that may arise if the product is mishandled and overexposure occurs are: please refer to health Effects Section for acute effects.

Acute toxicity

LD50 Oral - Rat - 2,140 mg/kg(Sulfuric acid)

Shall not be classified as acutely toxic.

Skin corrosion/irritation

Skin - Rabbit(Sulfuric acid)

Result: Extremely corrosive and destructive to tissue.

Eyes - Rabbit(Sulfuric acid)

Result: Corrosive to eyes

Causes severe skin burns and eye damage.

Serious eye damage/eye irritation

Causes serious eye damage.

Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity

Shall not be classified as carcinogenic.

IARC: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

The International Agency for Research on Cancer (IARC) has determined that containing sulfuric acid is carcinogenic to humans (group 1).(Sulfuric acid)

Reproductive toxicity

Shall not be classified as a reproductive toxicant.

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Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure

Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

11.2 Additional Information:

- Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin., spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary edema, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting, Pulmonary edema. Effects may be delayed., To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.(Sulfuric acid).
- Toxicological classifications are based on available knowledge and information
- The special effects to health are considered by taking into account the information in section 3.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish LC50 - *Gambusia affinis* (Mosquito fish) - 42 mg/l - 96 h(Sulfuric acid)

Toxicity to daphnia and other aquatic invertebrates

EC50 - *Daphnia magna* (Water flea) - 29 mg/l - 24 h(Sulfuric acid)

Acc. to 1272/2008/EC: Shall not be classified as hazardous to the aquatic environment.

Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen (Ordinance on facilities for handling substances hazardous to water) (AwSV): WGK 1, slightly hazardous to water (Germany)

12.2 Persistence and Degradability

Decomposition Potential of the products

The methods for determining the biological degradability are not applicable to inorganic substances.

The half-life of degradation

No data available

Potential degradation of product content in the evaluation of wastewater treatment plants

No data available

12.3 Bioaccumulative Potential

Biological environment (biota) accumulation potential

No data available

Potential - nutrients pass through

No data available

Reference Values - Log K_{ow} , S_w and BCF

No data available

12.4 Mobility in Soil

In the case of products released into the environment, ground water mixing and / or dissemination of the following information regarding the potential can be evaluated.

Water threat class

No data available

Clean Water Impact

No data available

Known or predicted environmental distribution

No data available

12.5 Results of PBT and vPvB Assessment

According to the results of its assessment, this substance is not a PBT or a vPvB.

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12.6 Endocrine Disrupting Properties

Does not contain an endocrine disruptor (ED) in a concentration of $\geq 0,1\%$.

12.7 Additional Information

Do not allow to be released into the environment.
See the Sections 6, 7, 13, 14 and 15.

13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Regeneration of acids.

13.1.1 Product / Packaging disposal

A qualified environmental professional should determine waste characterization, disposal and treatment methods for this material in accordance with applicable local regulations and requirements

13.2 Safe Disposal

Follow all applicable local laws, rules and regulations regarding the proper disposal of this material.

Contact a licensed professional waste disposal service to dispose of this material.

Burn in a chemical incinerator equipped with an afterburner and scrubber but exert extra care in igniting as this material is highly flammable.

Offer surplus and non-recyclable solutions to a licensed disposal company.

13.3 European Waste Catalogue and Hazardous Waste List Number

H8 - Abrasives (corrosives)

13.4 Uncleaned Packages

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

13.5 Additional Information

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities. If this product has been altered or contaminated with other hazardous materials, appropriate waste analysis may be necessary to determine proper method for disposal.

14. TRANSPORT INFORMATION

UN 2796 SULPHURIC ACID with not more than 51% acid or BATTERY FLUID, ACID

	ADR/RID	ADNR	IMDG	ICAO/IATA
TRANSPORTATION	Road	River	Marine	Airways
PROPER SHIPPING NAME	UN 2796 SULPHURIC ACID with not more than 51% acid or BATTERY FLUID, ACID			
SYMBOL				
UN/ID No.	2796	2796	2796	2796
CLASS	8	8	8	8

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PACKAGING GROUP	II	II	II	II
LABELLING NO	8	8	8	8
CLASSIFICATION CODE	C1			
HAZARD NO (HIN NO)	80			
EmS			F-A;S-B	
MARINE Pollutant			NO	
Road Transport Notes: This product is regulated as a hazardous material.				

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Relevant provisions of the European Union (EU)

Restrictions according to REACH, Annex XVII

Dangerous substances with restrictions (REACH, Annex XVII)				
Name of substance	Name acc. to inventory	CAS No	Restriction	No
sulphuric acid ... %	this product meets the criteria for classification in accordance with Regulation No 1272/2008/EC		R3	3
sulphuric acid ... %	substances in tattoo inks and permanent make-up		R75	75

List of substances subject to authorisation (REACH, Annex XIV) / SVHC - candidate list

not listed

Seveso Directive

2012/18/EU (Seveso III)			
No	Dangerous substance/hazard categories	Qualifying quantity (tonnes) for the application of lower and upper-tier requirements	Notes
	not assigned		

Deco-Paint Directive

VOC content 100 %

Industrial Emissions Directive (IED)

VOC content 100 %

Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

not listed

Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

not listed

Water Framework Directive (WFD)

List of pollutants (WFD)			
Name of substance	CAS No	Listed in	Remarks
sulphuric acid ... %		Indicative list of the main pollutants	

Regulation on the marketing and use of explosives precursors

Explosives precursors which are subject to restrictions					
Name of substance	CAS No	Type of registration	Remarks	Limit value	Upper limit value for the purpose of licensing under Article 5(3)
sulphuric acid ... %	7664-93-9	Annex I		15 % w/w	40 % w/w

Legend

Annex I Substances which shall not be made available to members of the general public on their own, or in mixtures or substances including them, except if the concentration is equal to or lower than the limit values set out below.

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Regulation on drug precursors

Name of substance	CAS No	Classification	CN Code	Threshold level
sulphuric acid ... %	7664-93-9	Category 3	2807 00 00	

Regulation on persistent organic pollutants (POP)

not listed

National inventories

Country	Inventory	Status
AU	AIIC	substance is listed
CA	DSL	substance is listed
CN	IECSC	substance is listed
EU	ECSI	substance is listed
EU	REACH Reg.	substance is listed
JP	CSCL-ENCS	substance is listed
KR	KECI	substance is listed
MX	INSQ	substance is listed
NZ	NZIoC	substance is listed
PH	PICCS	substance is listed
TR	CICR	substance is listed
TW	TCSI	substance is listed
VN	NCI	substance is listed
US	TSCA	substance is listed (ACTIVE)

Legend

AIIC Australian Inventory of Industrial Chemicals

CICR Chemical Inventory and Control Regulation

CSCL-ENCS List of Existing and New Chemical Substances (CSCL-ENCS)

DSL Domestic Substances List (DSL)

ECSI EC Substance Inventory (EINECS, ELINCS, NLP)

IECSC Inventory of Existing Chemical Substances Produced or Imported in China

INSQ National Inventory of Chemical Substances

KECI Korea Existing Chemicals Inventory

NCI National Chemical Inventory

NZIoC New Zealand Inventory of Chemicals

PICCS Philippine Inventory of Chemicals and Chemical Substances (PICCS)

REACH Reg. REACH registered substances

TCSI Taiwan Chemical Substance Inventory

TSCA Toxic Substance Control Act

Substance is found on the following regulatory lists;

- “European Union – European Inventory of Existing Commercial Chemical Substances (EINECS)
- “European Union (EU) Regulation (EC) No 1272/2008 on Classification, Labelling and Packaging of Substances and Mixtures – Annex VI S)(English)”
- This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006 and ISO 11014:2009. This product is classified according to GHS/CLP.
- System of specific information relating to Dangerous Preparations: 2001/58/EC as amended by Directive 93/112/EC, 2001/58/EC and 2006/8/EC.

15.2 Chemical Safety Assessment

A Chemical safety assessment has not been carried out

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16. OTHER INFORMATION

16.1 Other information

- For additional information regarding the Products please contact the **SÖZ KİMYEVİ MAD.GIDA TUR.TİC.LTD.ŞTİ.** (+90 216 304 13 33 / +90 216 304 15 35)
- The above information complies with the 199/45/EC and 1907/2006 Directives and their amendments. In all cases of potential poisoning supportive therapy is of the utmost importance.
- If medical professionals require advice regarding first aid treatment, all **SÖZ KİMYEVİ MAD.GIDA TUR.TİC.LTD.ŞTİ.** products are registered with the Turkish National Poisons Unit (UZEM), UZEM local telephone no : 114

16.2 Related Person

SÖZ KİMYEVİ MAD.GIDA TUR.TİC.LTD.ŞTİ.

İsmail ÖZDAL ; ismailozdal@sozkimya.com ; +90 216 304 13 33 / +90 216 304 15 35

Prepared by : Kimya Y. Müh. Selçuk BİLGİN (selcuk.bilgin@doruksistem.com.tr)

TSE KDU-A-0-0205 16.02.2023 - 16.02.2028

www.MsdsMarket.com ; info@doruksistem.com.tr ; +902163378383

16.3 Revision Date, Version and SDS no

- Date : 19/02/2024
- Version : 2.0/EN
- MSDS No :424003

16.4 Reason of re-issue

Compiling to following regulations; Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

16.5 Relevant H- and EUH-phrases (number and full text):

H314 Causes severe skin burns and eye damage

H315 Causes skin irritation

H319 Causes serious eye irritation

16.6 Legal disclaimer

- The purpose of the above information is to describe the products only in terms of health and safety requirements.
- The information given should not, therefore, be construed as guaranteeing specific properties or as specification.
- Customers should satisfy themselves as to the suitability and completeness of such information for their own particular use.
- The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.
The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.
- The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

¹ CLP: Classification Labeling and Packaging

² GHS: Global Harmonised System