Safety Data Sheet

No. 30105, dated 23/06/2017 "On Registration, Evaluation, Authorization and Restriction of Chemicals The Regulation has been prepared in accordance with Article 27.

LIQUID SALT

Preaparation Date : 05.01.2024 Reissue Date : -
Number of Edits: 0 SDS : GBF - 4763

1- IDENTITY OF THE SUBSTANCE/MIXTURE AND THE COMPANY/DISTRIBUTOR

1.1- Substance/Mixture identity

Product Name Liquid Salt

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

Designated use Used in areas such as industry, textile, food etc.

Not recommended uses No specific uses recommended are identified.

1.3- Information of the supplier of the safety data sheet

Company Name **Horoz Tuz Kimya Gıda Nakliyat Sanayi ve Ticaret Ltd. Şti.**

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Telephone +90 258 213 15 15

E-mail info@horoztuz.com.tr

Providing Information About Security

Furkan KANIGÜR

1.4- Emergency telephone number

Company Advisory +90 258 213 15 15

Emergency Call Center 112

Poison Information Center 114

2- DEFINITION OF DAMAGES

2.1- Classification of the substance or mixture:

In accordance with the SEA Regulation dated 11/12/2013:

This product does not meet the classification criteria in any hazard class according to the Regulation on Classification, Labelling and Packaging of Substances and Mixtures dated 11/12/2013.

2.2- Label elements

In accordance with the SEA Regulation dated 11/12/2013:

There is no need to label the product as a hazardous substance.

2.3- Other damages

Potential Acute Health Effects:

On The Eyes Direct contact may cause mild eye irritation.

On The Skin Prolonged contact may irritate skin.

In Case of Inhalation It is not expected to cause significant harm if inhaled. However, prolonged inhalation may cause irritation to the respiratory tract..

In Case of Ingestion There is no harm in taking small amounts. Ingestion of high doses can cause nausea and vomiting, diarrhea, cramps, restlessness, irritability, dehydration, water retention, nosebleeds, gastrointestinal tract damage, fever, sweating, sunken eyes, high blood pressure, muscle weakness, mouth and nose, shock, cerebral (brain fluid) or pulmonary edema (fluid in the lungs), blood cell shrinkage and brain damage (due to dehydration of brain cells)..

3- INFORMATION ABOUT COMPOSITION/INGREDIENTS

3.1- Substance

Not applicable.

3.2- Mixtures

Substances it contains:

Substance or Compound	EC No	CAS No.	İçerik, %	Sınıflandırma
Sodium Chloride	231-598-3	7647-14-5	24	Sınıflandırılmamıştır.
Hydrochloric acid	215-185-5	1310-73-2	0,2	Cilt Aşnd. 1A, H314
Light soda	207-838-8	497-19-8	0,1	Göz Tah. 2, H319
Sodium Hydroxide	231-595-7	7647-01-0	0,09	Cilt Aşnd. 1B, H314 BHOT Tek Mrz. 3, H335
Water	231-791-2	7732-18-5	75,61	Sınıflandırılmamıştır.

Additional information: The full text of the H sentences related to the subject is given in chapter 16.

4- FIRST AID MEASURES

4.1- Description of first aid measures

Breathing:

Remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Eye contact:

Flush eyes with plenty of water for at least 15 minutes, with eyelids open, occasionally lifting upper and lower eyelids. If irritation develops, seek medical attention.

Skin contact:

Wash skin thoroughly with plenty of water. If irritation develops, seek medical attention.

Swallowing:

If the victim is conscious and reflexes are intact, give with 2-4 glasses of milk or water. Do not give anything by mouth to an unconscious person. Get medical attention.

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

Direct contact with eyes may cause temporary irritation..

4.3- Indications for immediate medical attention and special treatment needed

Follow the advice in Section 4.1.

5- FIRE FIGHTING MEASURES

5.1- Fire extinguishers

Non-flammable. Water spray, CO2, foam or powder extinguishers

5.2- Special hazards arising from the substance or mixture

Avoid breathing gases, vapors,fumes and decomposition products.Fire-fighting residues should not be allowed to reach sewers.

5.3- Advice for firefighters

In case of fire, fully protective clothing suitable for use in confined spaces, including a positive pressure breathing apparatus, must be worn. Wash clothing thoroughly after use.

6- ACCIDENTAL RELEASE PRECAUTIONS

6.1- Personal precautions, protective equipment and emergency procedures

Avoid contact with the substance. Use protective equipment.

6.2- Environmental precautions

Do not mix with surface water or sewage. Dilute with plenty of water.

6.3- Methods and materials for containment and cleaning up.

Clean with dry sand or similar inert material (Chemizorb, sand, diatomite, universal binder, sawdust in the form of flour or similar inert material).

6.4- References to other sections

See section 7 for information on safe use. See section 8 for information on personal protective equipment. See section 13 for information on disposal.

7- HANDLING AND STORAGE

7.1- General Information

In order to ensure the protection of health, safety and the environment, the employer must take care to plan the working procedures in the workplace and take organizational measures in accordance with the provisions of the "Regulation on Health and Safety Measures in Working with Chemical Substances", which was published in the Official Gazette dated 12/08/2013 and numbered 28733 and entered into force, regarding the measures to be taken in jobs and workplaces where hazardous chemicals are used.

7.2- Precautions for safe handling

Follow industrial hygiene standards and common rules to prevent inhalation, ingestion, eye and skin contact when using chemicals.
Wash hands thoroughly after use.

7.3- Conditions for safe storage, including any incompatibilities

Must be stored in places that comply with local regulations. Store in original packaging. Make sure the packaging lid is tightly closed. Store at normal temperatures.
Store in a tightly closed container, protected from moisture and under an inert atmosphere.

7.4- Specific end uses

Identified uses for this product are detailed in Section 1.2 .

8- EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1- Control parameters

No occupational exposure limit value is given for this product and its components in the annexes of the Regulation on Health and Safety Measures in Working with Chemical Substances (12/08/2013, No. 28733).

8.2- Exposure controls

8.2.1- Appropriate engineering controls:

The equipment and appropriate protection methods for use where personal protection is required have been designed in accordance with the "Personal Protective Equipment Regulation" dated 9/2/2004 and numbered 25368.

8.2.2- Individual protective measures, such as personal protective equipment:

Eye/face protection:



Wear safety glasses or a face shiled that fits tightly and has been tested and apporved in accordance with standards such as EN 166 (EU). Contact lenses should not be worn. Use a face shield in areas where the risk of splashing is high.

Protection:

Wear protective gloves.

When selecting gloves, it will be sufficient to consider puncture resistance, permeability rates and deterioration. The selected protective gloves must comply with EN 374 standards.

Glove material:

Butil kauçuk ve/veya neoprenden üretilmiş eldivenler.

Respiratory protection:

A local and/or general ventilation system is sufficient.

8.2.3- Environmental exposure controls

The provisions of existing legislation on environmental protection must be fully implemented.

9- PHYSICAL AND CHEMICAL PROPERTIES

9.1- Information on basic physical and chemical properties

Appearance	Clear liquid
Color	Colorless
Odor	Odorless
Odor threshold	Not relevant.
pH (20˚C)	Not relevant.
Melting point/freezing point (˚C) @ 760 mmHg	Not relevant.
Initial boiling point and boiling range, (˚C) @ 760 mmHg	Not relevant.
Flash Point (˚C)	Not relevant.
Evaporation Rate	Not relevant.
Viscosity (20˚C)	Not relevant.
Density, g/cm3	Not relevant.
Flammability (solid, gas)	Not relevant.
Upper/Lower flammability or explosive limits	Not relevant.
Solubility in water	Completely miscible in all ratios
Partition coefficient: n-octanol/water	Not relevant.
Flammability (˚C)	Not relevant.
Decomposition temperature (˚C)	Not relevant.
Explosive properties	No explosive properties.
Oxidizing properties	No oxidizing properties.

9.2- Other information

Not available.

10- STABILITY AND REACTIVITY

10.1- Reaction

Under normal use conditions, no hazardous reactions are known.

10.2- Chemical stability

Stable under normal temperature conditions and recommended conditions of use.

10.3- Possibility of harmful reactions

No harmful reactions are expected when the product is properly handled and stored..

10.4- Situations to avoid

None under recommended storage and handling conditions (see section 7).

10.5- Substances to avoid

Metals, strong oxidizing agents, strong acids, nitro compounds.

10.6- Hazardous decomposition products

Not relevant.

11- TOXICOLOGICAL INFORMATION

11.1- Information on toxicological effects

Acute Toxicity

Sodium Chloride **(7647-14-5)**	
LD50 oral (rat)	3 550 mg/kg body weight
LD50 skin tract (rabbit)	> 10 000 mg/kg body weight
LC50 respiratory tract (rat)	> 42 mg/L weather 1 h

Skin corrosion/irritation

According to available information, the classification criteria are not met.

Serious eye damage/irritation

According to available information, the classification criteria are not met.

Respiratory or skin sensitization

According to available information, the classification criteria are not met.

Germ cell mutagenicity

According to available information, the classification criteria are not met.

Carcinogenicity

According to available information, the classification criteria are not met.

Reproductive toxicity

According to available information, the classification criteria are not met.

STOT - Single exposure

According to available information, the classification criteria are not met.

STOT - Repeated exposure

According to available information, the classification criteria are not met.

Aspiration hazard

According to available information, the classification criteria are not met.

12- ECOLOGICAL INFORMATION

The product is not classified as hazardous to the environment. However, this does not exclude the possibility that large or frequent spills may have a harmful or damaging effect on the environment.

12.1- Toksisite

Sodium chloride **(7647-14-5)**		
LC50 Fish	5 840 mg/l (96 h)	(Lepomis macrochirus)
EC50 Invertebrates	874 mg/l (48 h)	(Water flea)
EC50 Alga	2 430 mg/l (120 h)	(Chlorella vulgaris)

12.2- Persistence and Degradability

Data not available.

12.3- Bioaccumulatio potential

Data not available.

12.4- Mobility in soil

Data not available.

12.5- Results of PBT and vPvB assessment

This mixture does not contain any substance considered as PBT or vPvB.

12.6- Other adverse effects

Data not available

13- DISPOSAL INFORMATION

13.1- Waste treatment methods

Product

Waste materials must be disposed of in accordance with the Waste Management Regulation No. 29314 dated 02.04.2015. Prevent mixing with surface and groundwater, drinking water sources, standing and flowing water, and sewage. Leave chemicals in their original containers. Do not mix with other waste. Treat uncleaned containers as the product itself.

Contaminated packaging

According to the Regulation on Control of Packaging Waste No. 30283 dated 27.08.2017, it is recommended to dispose of packaging contaminated with hazardous waste. Leave chemicals in their original containers. Do not mix with other wastes. Treat uncleaned containers as the product itself.

14- TRANSPORTATION INFORMATION

The product is not classified as hazardous according to transport regulations (ADR/RID, ADNR, IMDG, ICAO/IATA).

14.1- UN number	Not relevant
14.2- UN proper shipping name	Not relevant
14.3- Transport hazard class(es)	Not relevant
14.4- Packing group	Not relevant
14.5- Environmental hazards	Not relevant
14.6- Special precautions for user	None

14.7- Public transport according to MARPOL 73/78 Annex II and IBC code — Not applicable.

15- LEGISLATIVE INFORMATION

15.1- Specific safety, health and environmental legislation for the substance or mixture

15.1.1- Legal Information

This safety data sheet has been prepared/approved by accredited expert personnel who are certified in accordance with the requirements of the Regulation on Registration, Evaluation, Authorization and Restriction of Chemicals, No. 30105, dated 23/06/2017, and as required by the regulation. The Regulation on Classification, Labeling and Packaging of Substances and Mixtures, dated 11/12/2013, has been taken into account in the classification.

15.1.2- Other Legislation

- Republic of Turkey Ministry of Labor and Social Security, Occupational Health and Safety Law No. 6331, dated June 30, 2012.
- • Republic of Turkey Ministry of Labor and Social Security, Regulation on Health and Safety Measures in Working with Chemical Substances No. 28733, dated August 12, 2013.
- • Republic of Turkey Ministry of Labor and Social Security, Regulation on the Use of Personal Protective Equipment in Workplaces No. 28695, dated July 02, 2013.
- • Republic of Turkey Ministry of Labor and Social Security, Regulation on Personal Protective Equipment No. 26361, dated November 29, 2006.
- • Republic of Turkey Ministry of Environment and Urbanization, Regulation on Waste Management No. 29314, dated April 02, 2015.
- • Republic of Turkey Ministry of Labor and Social Security and Ministry of Environment and Urbanization, Regulation on Prevention of Major Industrial Accidents and Reduction of Their Effects, dated 30 December 2013 and numbered 28867 (Repeated).
- • ADR-European Agreement Concerning the International Carriage of Dangerous Goods by Road (Volume 1/Volume 2).
- • Republic of Turkey Ministry of Transport, Maritime Affairs and Communications, Regulation on the Carriage of Dangerous Goods by Sea, dated 03 March 2015 and numbered 29284

15.2- Chemical safety assessment

A chemical safety assessment has not been conducted for this product.

16- OTHER INFORMATION

16.1- Relevant H-phrases (number and full text):

H314 Causes severe skin burns and eye damage.
H319 Causes serious eye irritation.
H335 May cause respiratory tract irritation

16.2- Abbreviations:

ADR European Agreement concerning the Carriage of Dangerous Goods by Road
CAS No Chemical Theories Service number

EC No European inventory number of chemical substances
GHS Globally Harmonized System of Classification and Labelling of Chemicals
IATA International Air Transport Association
ICAO International Civil Aviation Organization
IMDG International Maritime Rules for Dangerous Goods
PBT Persistent Bioaccumulative Toxic
RID International Rules for the Transport of Dangerous Goods by Rail
SEA Regulation on Classification, Labelling and Packaging of Substances and Mixtures dated 11.12.2013 (TR)
STEL Short-term exposure limit
TWA Time Weighted Average
vPvB Very Persistent and Very Bioaccumulative

16.3- Information about the published document:

Horoz Tuz Kimya Gıda Nakliyat Sanayi ve Ticaret Ltd. Şti.
www.msdshazirlama.com
Expert/Certificate No.: Gültekin Başköylü (Kimyager) / Lonca-11544-KDU07
Certificate Validity Date: 15.10.2024
Issue date: 05.01.2024
Regulation No.: 0

16.4- Usage Oriented Training Recommendation:

In addition to health, safety and environmental training programs for employees, employees must be required to read, understand and implement the requirements of this SDS to ensure the protection of human health and the environment.

16.5- Information sources:

- KKDİK: Regulation on Registration, Evaluation, Authorization and Restriction of Chemicals (Official Gazette dated 23/06/2017 and numbered 30105 (Repeated))SEA: Maddelerin ve Regulation on Classification, Labelling and Packaging of Mixtures (Official Gazette No. 28848 dated 11/12/2013 (Repeated))
- ECHA (European Chemicals Agency) Website
- Safety data sheets for raw materials and product component,
- UN ADR, IMDG, IATA lists,
- Other helpful resources.

16.6- Classification Calculation Methods

- Chemical and physical hazards: Product classification is derived from the criteria determined according to the CLA Regulation, Annex I, Part 2. Data for the assessment of chemical-physical properties are given in Section 9.Sağlığa zararları:
- Product classification is based on the calculation methods specified in Annex 1, Part 3 of the SEA, unless otherwise stated in Section 11..
- Environmental hazards: Product classification is based on the calculation methods specified in Annex 1, Part 4 of the SEA, unless otherwise stated in Chapter 12.

16.7 Reservation:

This information is only valid for a specific substance/preparation and may not be valid if the same substance/preparation is used in a combination with other substances/preparations or in any process. This information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no guarantees, warranties or representations can be made as to its accuracy, reliability and completeness. It is the user's responsibility to satisfy himself/herself as to the suitability of this information for his/her own use.

Note:

This SDS has been prepared based on information and documents received from the product owner company. The SDS preparer cannot be held responsible for any material or moral damages that the product owner company may encounter due to the incorrect preparation of the prepared SDS due to the incompleteness or incorrectness of this information and documents..