

SAFETY DATA SHEET

(RG, 13.12.2014, No-29204) It complies with the Regulation on Safety Data Sheets on Hazardous Substances and Mixtures.

Substance/Mixture Name	Ammonium Sulphate	Regulation Date	17.12.2024
		Editing Date	
Form No	140.132.47	Number Of Editing	1

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

1.1 Product Identifier

Product Name : [Ammonium Sulphate](#)
 Form No/GBF No : 140.132.47
 Brand : [QLP](#)
 EC No : No additional information available
 CAS No : 7783-20-2
 Country of Origin : Türkiye (The origin of the main component is different from the origin of the final product).

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

Identified uses : Laboratory chemicals, Manufacture of substances.
 Uses advised against : No additional information available.

1.3 Details of the supplier of the tds Identification of the company

Company : Smart Kimya Trade and Consultancy Limited Company
 Central Address : 10016 Street No:18 AOSB Çiğli/İzmir
 Telephone : 0850 441 00 22
 Email Address : s@hammaddeler.com
 Websites : hammaddeler.com - smartkimya.com - gbf.com.tr

1.4 Emergency Phone Number

National Toxic Information Center (UZEM): 114

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of Substance and Mixture

It is not a hazardous substance or mixture according to the Regulation on Classification, Labelling and Packaging of Substances and Mixtures published in the Official Gazette dated 1 December 2013 and numbered 28848.

2.2 Label elements

Labelling according Regulation (EC) No 28848/2013

Pictogram : Not classified
 Signal Word (SEA) : Not classified
 Hazard Statement(s) : Not classified
 Precautionary Statements : Not classified
 Supplemental Hazard Statements : Not classified

2.3 Other hazards

No additional information available.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Component Name	EC No	CAS No	Concentration (%)	(RG, 11.12. 2013, No 28848) Classification in accordance with the "Regulation on Classification, Labeling and Packaging of Substances and Mixtures" (SEA)
Ammonium Sulphate	No additional information available	7783-20-2	No additional information available	Not classified

3.2 Mixtures

Not applicable.

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SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice

Consult a doctor. Show this safety data sheet to your doctor.

Following inhalation

If inhaled, remove victim to fresh air. If breathing has stopped, give artificial respiration. Consult a physician.

In case of skin contact

Wash with soap and plenty of water. Consult a physician.

After eye contact

As a precaution, rinse eyes with water.

Following ingestion

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

No additional information available

4.3 Indication of any immediate medical attention and special treatment needed

No additional information available.

SECTION 5. FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media

Use fire extinguishing methods appropriate to the environment.

5.2 Special hazards arising from the substance or mixture

nitrogen oxides (NOx), Sulfur oxides

5.3 Advice for firefighters

Use a complete mask with oxygen cylinder when necessary to extinguish fire.

5.4 Additional information

The product does not exhibit inherently flammable properties.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, fumes or gases. Ensure good ventilation. Do not breathe waste.

6.2 Environmental precautions

Eğer güvenlik tehlikesi yok ise, daha fazla sızıntı ve dökülme olmasını önleyiniz. Kanalizasyona karışmamasına dikkat ediniz. Çevreye atılması önlenmelidir.

6.3 Methods and material for containment and cleaning up

Collect waste in a specific place without creating dust. Sweep and shovel. Store waste in closed and suitable containers.

6.4 Reference to other sections

For waste disposal see section 13.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid dust and aerosol formation. Adequate exhaust ventilation systems should be installed in places where dust is formed.

7.2 Conditions for safe storage, including any incompatibilities

Keep in a cool place. Keep container tightly closed in a dry and well-ventilated place.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Components with Workspace Control Parameters

It does not contain any ingredients with exposure limits.

8.2 Exposure controls

8.2.1. Appropriate engineering controls

Handle in accordance with industrial hygiene and safety rules. Wash hands before breaks and at the end of the day.

8.2.2. Personal protection equipment

Eye/face protection

Wear eye protection equipment that has been tested and approved in accordance with standards such as NIOSH (US) or EN 166 (EU).

Skin protection

When handling this product, it is essential to wear gloves that should be checked before use. To prevent skin contact, always use the correct glove removal method, ensuring that the outer surface of the glove does not come into contact with the skin. Contaminated gloves must be disposed of following good laboratory practices and regulatory compliance rules. After handling, wash and dry your hands thoroughly. The protective gloves selected should meet the EU Directive 89/686/EEC and EN 374 standards. For immersion protection, use nitrile rubber gloves with a minimum layer thickness of 0.11 mm, a breakthrough time of over 480 minutes, and tested material Dermatril® (Aldrich Z677272, Size M). For splash protection, nitrile rubber gloves with the same thickness and a breakthrough time of over 30 minutes are recommended, using the same tested material. This data is provided by KCL GmbH, and it is crucial to note that if the gloves are used in solutions or mixed with substances outside of the EN 374 guidelines, you should contact the supplier of EU-approved gloves. This recommendation should be evaluated by an Industrial Hygienist for specific use cases and should not be considered an endorsement for any particular application.

Body Protection

Choose appropriate body protection according to the type, concentration and amount of hazardous substances and workplace conditions. The type of protective materials should be determined according to the amount and concentration of hazardous substances for each workplace.

Respiratory protection

Respiratory protection is not required. If you want to protect yourself from nuisance dust levels, use N95 (United States) or P1 (EN 143) type dust masks. Use respirators and equipment tested and approved according to relevant official standards such as NIOSH (United States) or CEN (European Union).

8.2.3. Environmental exposure controls

No additional information available.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	: Crystal
Colour	: Colourless
Odour	: No additional information available
Formula	: H ₈ N ₂ O ₄ S
Molecular weight	: 132.14 g/mol
pH(25 °C) (132 g/l)	: 5.0 - 6
Solubility(Water) (132 g/l,20°C)	: Soluble
Initial boiling point and boiling range	: No additional information available
Melting point/Freezing point	: > 280 °C
Flash Point	: No additional information available
Evaporation Rate	: No additional information available
Partition coefficient: n-octanol/water	: log POW: -5.1
Relative density(25°C)	: 1.77 g/cm ³
Flammability	: No additional information available

9.2 Other information

No additional information available.

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SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity

No additional information available.

10.2 Chemical stability

No additional information available

10.3 Possibility of hazardous reactions

No additional information available.

10.4 Conditions to avoid

No additional information available.

10.5 Incompatible materials

Strong oxidizing agents, Strong bases

10.6 Hazardous decomposition products

No additional information available.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxic Effects

Acute toxicity

No additional information available

Serious eye damage/irritation

Eyes - rabbit - No eye irritation

Eyes - Human - Minor eye irritation

Skin corrosion/irritation

Skin - rabbit - No skin irritation

Skin - Human - Minor skin irritation

Respiratory or skin sensitization

No additional information available.

Germ cell mutagenicity

No additional information available.

Carcinogenicity

No additional information available

Reproductive toxicity

No additional information available.

Specific target organ toxicity – Single exposure:

No additional information available.

Specific target organ toxicity - repeated exposure:

No additional information available.

Aspiration Toxicity:

No additional information available.

Additional Information

Possible health effects

Inhalation	:May be harmful if inhaled. May cause respiratory tract irritation.
Oral	:May be harmful if swallowed.
Skin	:May be harmful if absorbed through the skin. May cause skin irritation.
Eyes	:May cause eye irritation.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity

Organism

Fish (Oncorhynchus mykiss - Rainbow Trout)

Toxicity (LC50)

36.7 mg/l

Exposure Duration

96 hours

Aquatic Invertebrates (Daphnia magna - Water Flea)

433 mg/l

50 hours

12.2 Persistence and degradability

No additional information available.

12.3 Bioaccumulative potential

No additional information available



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12.4 Mobility in soil

No additional information available.

12.5 Results of PBT and vPvB assessment

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6. Endocrine disrupting properties

No additional information available.

12.7 Other adverse effects

It is harmful to aquatic life.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product

Offer to give leftovers and non-recyclable solutions to a waste company. Contact a licensed specialist at a waste disposal center to dispose of this material.

Contaminated packaging

Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

14.1. UN number or ID number

ADR (Road)/RID (Rail) : Not regulated
 IMDG (Seaway) : Not regulated
 IATA (Airline) : Not regulated

14.2. UN proper shipping name

ADR (Road)/RID (Rail) : Not regulated
 IMDG (Seaway) : Not regulated
 IATA (Airline) : Not regulated

14.3. Transport hazard class(es)

ADR (Road)/RID (Rail) : Not regulated
 IMDG (Seaway) : Not regulated
 IATA (Airline) : Not regulated

14.4. Packing group

ADR (Road)/RID (Rail) : Not regulated
 IMDG (Seaway) : Not regulated
 IATA (Airline) : Not regulated

14.5. Environmental hazards

ADR (Road)/RID (Rail) : No
 IMDG (Seaway) : No
 IATA (Airline) : No

14.6. Special precautions for user

No additional information available.

14.7. Bulk transportation according to MARPOL 73/78 annex II and IBC code

No additional information available.

SECTION 15. REGULATORY INFORMATION

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

- Regulation on Classification, Labeling and Packaging of Substances and Mixtures (SEA) published in the Official Gazette dated December 1, 2013, bis numbered 28848.

- Regulation on Registration, Evaluation, Authorization and Restriction of Chemicals (KKDIK) published in the Official Gazette dated June 23, 2017 and numbered 30105.

15.2. Chemical safety assessment

For this product a chemical safety assessment was not carried out.

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SECTION 16. OTHER INFORMATION

Waiver Statement

The information presented in this safety data sheet is based on the information we already have. Although the information is reliable, it should not be considered accurate and complete. The prepared safety data sheet does not constitute a guarantee and should be used as a guide. This information has been prepared specifically for the substance or mixture in question, and may not be valid for compounds and processes made with other substances. and may vary depending on other raw materials; For this reason, the person or institution purchasing the products freely decides to use the product after evaluating its suitability for its own use, its impact on environmental conditions, its effects on occupational health and safety. Hammaler.com, Smart Kimya Tic. and Dan. Ltd. Şti., our representatives and solution partners cannot be held responsible for the use of this information.

