

Revision : 0

Form : ETI-0009

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SDS Code 1009

Date of preparation:

03.10.2017

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Product Name di-Ammonium hydrogen phosphate (DAP 18-46-0)
CAS No 7783-28-0
REACH No. Not available.

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

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1.2.1. Relevant identified uses of the substance

Fertilizer

1.2.2. Uses advised against

No uses specifically advised against.

1.3. Details of the supplier of the safety data sheet

Company name	ETİ BAKIR A.Ş
Address	Derik Yolu Mevkii, MAZIDAGI, MARDIN / TURKEY
Web Side	www.etibakir.com.tr
Phone	90 (482) 522 13 35
Fax	90 (482) 522 11 36
E-mail	mehmet.babaoglu@etibakir.com.tr

1.4 Emergency telephone numbers

Company Info Desk 90 (482) 522 13 35

SECTION 2. HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture..

Classification according to Regulation (EC) No 1272/2008 [CLP/GHS];

The product is not classified as hazardous according to Regulation 1272/2008 (CLP).

Classification according to 1999/45/EC [DPD];

The product is not classified as hazardous according to Directive 1999/45/EC (DPD).

2.2 Label Elements

The product does not need to be labelled according to Directive 1999/45/EC (DPD) and Regulation (EC) No 1272/2008 (CLP).

2.3 Other hazards

Result of PBT and vPvB assessment: No data available

2.4. Additional information

Please look over section 11 for toxicological information. Full text of R-, H- and EUH-phrases: see section 16.

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance/Mixture

Product Name	: DAP 18-46-0
Name	: Diammonyumhidrojenfosfat
EC No	: 231-987-8
CAS No	: 7783 - 28 - 0
Mix %	: % 100

Texts of H-phrases: Section 16.

3.2. Mixtures

Not applicable

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General first aid interventions	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice / attention.
Inhalation	: Remove from exposure. Keep warm and at rest and provide fresh air.
Skin contact	: Flush skin with large amounts of soap and water. Get medical attention if irritation persists.
Eye contact	: Check for and remove any contact lenses. Rinse out with water for at least 15 minutes with the eyelid held wide open. Get medical attention if irritation persists.
Ingestion	: Do NOT induce vomiting. Rinse out mouth and make victim drink plenty of water. Never give anything by mouth to an unconscious person. Call for medical help.



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

Gastric or intestinal trouble, sickness, vomiting and cramp.

4.3. Indication of any immediate medical attention and special treatment needed

No further relevant information available.

SECTION 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable	: Water, alcohol resistant foam, CO ₂ , dry chemical powder.
Unsuitable:	: Water jet

5.2 Special hazards arising from the substance or mixture

Incomplete combustion may form carbon oxides, nitrogen oxides, halogenated compounds and ammonia. Development of hazardous combustion gases or vapors possible in the event of fire. Downwind personnel must be evacuated

5.3 Advice for firefighters

Wear self-contained breathing apparatus and full protective clothing in case of fire. Avoid breathing fire mists/fumes.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Keep unnecessary and unprotected personnel from entering. Wear appropriate personal protective equipment as described in Section 8. Follow the advice for safe handling and use given in Section 7

6.2 Environmental protection measures

Do not empty into drains and sewers. Keep from entering to water and ground water systems. Contain spillage where possible and safe to do so. Inform appropriate authority in case of accidental contamination of watercourses or drains

6.3. Methods and material for containment and cleaning up

Sweep the material without dust formation and reuse it as fertilizer or put in an appropriate waste disposal container for proper disposal.

6.4. Reference to other sections

Review safety handling information in Section 7, personal protection measures in Section 8 and disposal measures in Section 13.

SECTION 7. ACCIDENTAL RELEASE MEASURES

7.1. Precautions for safe handling

Protective measures: Avoid breathing dusts and contact with skin and eyes. Provide adequate ventilation. Use personal protective equipment. Keep away from ignition sources

Hygiene measures: Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling

7.2. Conditions for safe storage, including any incompatibi

Store in original package in a dry, cool and well-ventilated place. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Keep the containers tightly closed when not in use. Do not store in unlabelled containers. Use appropriate containment to avoid environmental contamination. Do not store with incompatible materials.

7.3. Specific end uses

No further relevant information available.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational exposure limits

The product includes no ingredient with occupational exposure limit. General dust exposure limits; TWA: 10 mg/m³ (inhalable dust) - 4 mg/m³ (respirable dust)

Derived effect levels

No data available for product.

Predicted effect concentrations

No data available for product.

8.2. Exposure controls - Personal protective equipment

Respiratory Protection	: Do not inhale the dusts. Wear P2 or P3 type dust mask with EN 143 standards.
Eye/Face Protection	: No eye/face protection is required. In case of high dust levels wear safety glasses with side shields with EN 166 standard.
Hand Protection:	: Wear neoprene, PVA, butyl and nitrile rubber gloves with EN 374 standard. Check the gloves before use.
Skin and body protection	: Choose body protection according to the amount and concentration of the dangerous substance at the work place
Hygiene measures	: Wash hands, forearms and face thoroughly after handling chemical products, before eating,

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according to Regulation (EC) No. 1907/2006

smoking and using the lavatory and at the end of the working period.

Environmental exposure controls : Should not be released into the environment. Prevent product from entering drains.



SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 General information

Appearance :	Solid, granules
Color :	Green - Grey (Mix)
Odor :	Characteristic
pH :	7-8 (20 °C)
Melting point :	155 °C
Boiling point :	No data available
Flash point :	No data available
Flammable properties :	Not flammable
Explosive properties :	Not explosive
Vapor pressure :	No data available
Water solubility :	Soluble
Density :	1.619 g/cm ³ (20 °C)
Bulk density :	940 - 1040 kg/m ³
Viscosity :	No data available
Partition coefficient :	No data available
Oxidizing properties :	Not oxidizing

9.2 Other information

No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

The product is not reactive under recommended storage and handling conditions

10.2. Chemical stability

The product is stable under recommended storage and handling conditions.

10.3. Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

10.4 Conditions to avoid

Avoid excessive heat to prevent product decomposition. Protect against moisture. The substance/product may cake under the influence of moisture.

10.5 Incompatible materials

Strong acids and oxidizing agents, alkalies and alkalizing agents, nitrites, copper and its alloys

10.6 Hazardous decomposition products

Incomplete combustion may form carbon oxides, nitrogen oxides, halogenated compounds and ammonia. Ammonia can be emitted at high temperatures.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	: Diammonium hydrogenorthophosphate Oral; LD50> 2000 mg/kg bw Dermal; LD50> 5000 mg/kg bw Inhalation; LC50> 5 mg/L air, 4 h
Skin corrosion/irritation	: May be mechanically irritating to skin.
Serious eye damage/irritation	: Not irritant to eyes pH: 6 - 7
Sensitization	: Not sensitizing
Carcinogenicity	: No data available
Mutagenicity	: No data available
Reproductive toxicity	: No data available
Teratogenicity	: No data available
Specific target organ toxicity (single exposure)	: No data available
Specific target organ toxicity (repeated exposure)	: No data available

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Diammonium hydrogenorthophosphate:
Fish; LC50: 1700 mg/L, 96 h
Daphnia; EC50: 52-81 mg NH₃-N/L
Algae; EC50> 97.1 mg/L, 72 h

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Methods of disposal

The generation of waste should be avoided or minimized wherever possible. Disposal should be in accordance with applicable regional, national and local laws and regulations. Consult the local waste contractor and the local authority about the best way of handling the products.

13.2. European waste catalogue (EWC)

According to the European Waste Catalogue, waste codes are not product specific, but application specific. Waste codes should be assigned by the user.

13.3. Contaminated packaging

This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out.

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according to Regulation (EC) No. 1907/2006

13.4. Additional Information

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

SECTION 14: TRANSPORT INFORMATION

The product is not regulated under UN ADR/RID, ADN, IMDG and IATA lists.

14.1. General information

The product is not regulated under UN ADR/RID, ADN, IMDG and IATA lists.

14.2. UN number

Not relevant

14.3. UN proper shipping name

Not relevant

14.4. Transport hazard class(es)

Not relevant

14.5. Packing group

Not relevant

14.6. Environmental hazards

Not relevant

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

No data available.

SECTION 15: REGULATORY INFORMATION

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

Regulation (EC) No 1907/2006, (REACH),
Commission Regulation (EU) No 453/2010 amending Regulation (EC) No 1907/2006,
Council Directive 67/548/EEC, (DSD),
Regulation (EC) No 1272/2008 (CLP),
Commission Directive 2006/15/EC,
Commission Directive 2000/39/EC
Council Directive 91/689/EEC,
ADR - European Agreement Concerning the International Carriage of Dangerous Goods by Road

SECTION 16: OTHER INFORMATION

16.1 Indication of changes to the previous revision

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16.2 Abbreviations and acronyms

ADNR : Regulation for the Carriage of Dangerous Substances on the Rhine
ADR : European Agreement Concerning the Int. Carriage of Dangerous Goods by Road
CAS No : Chemical Abstract Service Index Number
CLP : Regulation of Classification, Labelling and Packaging of Chemicals
DNEL : Derived No Effect Level
DPD : Dangerous Preparations Directive
DSD : Dangerous Substances Directive
EC No : European Commission Number
ECXX : Effective Concentration, %XX
GHS : Globally Harmonized System of Classification and Labeling Of Chemicals
IATA : International Air Transport Association
ICAO : International Civil Aviation Organization
IMDG : International Maritime Code for Dangerous Goods
LCXX : Lethal Concentration, %XX
LDXX : Lethal Dose, %XX
RID : International Rule for Transport of Dangerous Substances by Railway
TWA : Time Weighted Average
vPvB : Very Persistent, Very Bioaccumulative

16.3 Prepared by the Safety Data Sheet

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