

**soluUP****Safety Data Sheet**

according to Regulation (EC) No. 1907/2006 (REACH)

Date of issue: 01/11/2019 Revision date: 01/11/2019 Version: 10.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Product form : Substance
Trade name : Urea Phosphate (17-44-00)
Chemical name : H₃PO₄.CO(NH₂)₂
EC-No. : 225-464-3
CAS-No. : 4861-19-2

1.2. Relevant identified uses of the substance or mixture and uses advised against**1.2.1. Relevant identified uses**

Use of the substance/mixture : EC Fertilizer source supplying N and P nutrients for plants.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet**Supplier**

K plus S Middle East FZE DMCC
Office -410, Indigo Tower, Cluster D
Jumeirah Lakes Towers, Dubai, UAE
T (+971) 48761158

1.4. Emergency telephone number

Emergency number : For Hazardous Materials [or Dangerous Goods] Incidents
Spill, Leak, Fire, Exposure, or Accident
Call CHEMTREC Day or Night
Within USA and Canada: 1-800-424-9300
Outside USA and Canada: +1 703-741-5970 (collect calls accepted)

SECTION 2: Hazards identification

The substance is classified as dangerous according to Directive 67/548/EEC and its amendments.

Classification: C; R34

Human health hazards: Causes burns.

See section 11 for more detailed information on health effects and symptoms.

SECTION 3: Composition/information on ingredients**3.1. Substances**

FORMULA: NPK 17-44-00

Classification number: C; R34

Urea phosphate 4861-19-2 100 225-464-3 C; R34

See section 16 for the full text of the R-phrases declared above Occupational exposure limits, if available, are listed in section 8.

Name	Product identifier	%
UREA PHOSPHATE	(CAS-No.) 4861-19-2	Nitrogen as N 17.0%
	(EC-No.) 225-464-3	Phosphate as P ₂ O ₅ 44.0%

SECTION 4: First aid measures

Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion: If large quantities of this material are swallowed, call a physician immediately. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.

Skin Contact: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

Eye contact: Immediately flush eyes with plenty of water for at least 15 minutes, keeping eyelids open. Get medical attention immediately.

See section 11 for more detailed information on health effects and symptoms

SECTION 5: Firefighting measures

Extinguishing media: In case of fire, use water spray (fog), foam or dry chemical.

Special exposure hazards: Fire-fighters should wear self-contained positive pressure breathing apparatus (SCBA) and full turnout gear.

Hazardous thermal: These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂ etc.), decomposition products: phosphates.

Remark: Decomposes on heating. Releases ammonia and carbon dioxide.

SECTION 6: Accidental release measures

Personal precautions: Use suitable protective equipment (section 8). Follow fire-fighting procedures (section 5).

Avoid contact of spilled material and runoff with soil and water courses. Environmental precautions and clean-up methods:

Use a tool to scoop up solid or absorbed material and place into appropriate labeled waste container. Absorb with dry earth, sand or other non-combustible material. Avoid creating dusty conditions and prevent wind dispersal. Keep out of waterways. See section 13 for waste disposal information.

Note: see section 8 for personal protective equipment and section 13 for waste disposal.

SECTION 7: Handling and storage

Handling: Do not get in eyes, on skin or on clothing. Keep container closed. Use only with adequate ventilation. Do not breathe dust. Wash thoroughly after handling.

Storage: Store and use away from heat, sparks, open flame or any other ignition source. Avoid contact with combustible materials. Prevent moisture pick-up in handling and storage.

SECTION 8: Exposure controls/personal protection

Occupational exposure limits: Total inhalable dust - 10mg/m³ Respirable dust - 5 mg/m³

Exposure controls Respiratory protection: Recommended: If dust is generated and ventilation is inadequate, use respirator that will protect against dust/mist.

Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. >8 hour(s) (breakthrough time): PVC, butyl rubber, nitrile rubber. Eye protection: Recommended: Use dust goggles if dust is generated.

Skin protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved. Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period.

SECTION 9: Physical and chemical properties

APPEARANCE / PHYSICAL STATE: Solid (Crystalline powder) COLOR: White crystal

ODOUR: Odorless

pH: 1.8 (Conc. (% w/w): 1) [Acidic.] Melting/freezing point: 117°C (242.6°F)

Density (g/cm³): 1 g/cm³ Solubility (at 20°C): 960g/l

SECTION 10: Stability and reactivity

Stability: Stable under recommended storage and handling conditions (see section 7).

Materials to avoid: Highly reactive or incompatible with the following materials: oxidizing materials, reducing materials and alkalis.

Hazardous decomposition: These products are carbon oxides (CO, CO₂), nitrogen oxides (NO, NO₂ etc.),

Products: phosphates.

Remark: Decomposes on heating. Releases ammonia and carbon dioxide.

SECTION 11: Toxicological information

Potential acute health effects Inhalation : Corrosive to the respiratory system. Ingestion : Harmful if swallowed.

Skin Contact : Corrosive to the skin.

Eye contact : Corrosive to eyes.

SECTION 12: Ecological information

Mobility: Contact with water liberates: Phosphoric acid and Urea.

Adverse effects: The product is not expected to harm the environment when used properly according to directions.

Remarks: Used in excess quantities the product can cause eutrophication in water.

SECTION 13: Disposal considerations

Methods of disposal: Empty containers or liners may retain some product residues. Do not empty into drains; dispose of this material and its container in a safe way. Dispose of in accordance with all applicable local and national regulations

European waste catalogue: 06 03 14 solid salts and solutions other than those mentioned in 06 03 11 and 06 03 13(EWC) Hazardous waste : This material and its container must be disposed of as hazardous waste.

SECTION 14: Transport information

International Transport Regulations Regulatory Information

UN Number

Proper Shipping Name Class

Packing Group

Label

Additional Information ADR/RID Class

1759

CORROSIVE SOLIDS, N.O.S (Urea Phosphate) 8
III

Hazard identification number 80 8

Limited quantity LQ24

CEFIC Tremcard 80GC10-II+III

ADNR Class 1759 CORROSIVE SOLIDS, N.O.S.

8 III - (Urea phosphate) 8 soluUP® Transport information

IMDG Class 1759

CORROSIVE SOLIDS, N.O.S. (Urea phosphate) 8 III 8

Emergency schedules (EmS) F-A, S-B IATA-DGR Class 1759

CORROSIVE SOLIDS, N.O.S. (Urea phosphate) 8 III 8

Passenger and Cargo Aircraft Quantity limitation: 25 kg Cargo Aircraft Only Quantity limitation: 100 kg Limited Quantities

Passenger Aircraft Quantity limitation: 5 kg

SECTION 15: Regulatory information

EU regulations

Hazard symbol/symbols:

Risk phrases: R34- Causes burns. Safety phrases: R34 – Causes burns

Safety phrases: S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S39 – Wear eye/face protection.
S45 – In case of

accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Contains EINECS: Urea phosphate 225-464-3 number Product use: Industrial applications.

Classification and labelling have been performed according to EU Directives 67/548/EEC and 1999/45/EC (including amendments) and the intended use.

SECTION 16: Other information

NONE LISTED

K plus S Middle East provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product.

Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose.