



BOON STREAM CHEM INTERNATIONAL TRADE CO., LIMITED

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Material Safety Data Sheet

UREA PHOSPHATE TECHNICAL GRADE

Date: 20/6/2006 Version: 1.01 Cancels and replace version: _____

1. product and company Identification.

PRODOUCT NAME: UREA PHOSPHATE TECHNICAL GRADE

Use: fertilizer and feed. Manufacture of fertilizers.

(For further information, refer to the product technical data sheet).

SUPPLIER: **BOON STREAM CHEM INTERNATIONAL TRADE CO., LIMITED** Address: Address: No. Dongzikou Road, jinniu District, Chengdu City, Sichuan Province, P.R.C.

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2. Composition/information on ingredients

Common chemical name: UREA PHOSPHATE

CAS:4861192

3. Hazards identification

MOST IMPORTANT HAZARDS

Adverse human health effects:

The dust may be irritating to the respiratory system.

Duet may cause slight irritation to the ocular mucous membranes

Due to the presence of a foreign body.

Slightly irritation to skin.

Environmental effects: Presnts no particular risk to the environment, provided the Disposal requirements (see section 13) and national or local Regulations are complied with.

Physical and chemical hazards

-Fire or explosion:

- NO particular fire or explosion hazard.
- Further hazards:** On contact with a base :harmful and irritating vapors are released
On heating to temperatures above 85 °C :harmful and irritating vapors are released
Violent reactions may occur on contact with certain chemical.
(Refer to the list of incompatible materials section 10:“Stability –Reactivity”).
- Classification/specification hazards:** According to EC criteria, this products is not classified as a “hazardous substance”.
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4. First-aid measures

- Inhalation :** Move the affected person away from the contaminated area and into The fresh air. if necessary seek medical advice.
- Skin contact:** Rinse with plenty of water
- Eye contact:** Rinse with water whilst keeping the syes wide open.
If irritation persists, consult an eye specialist.
- Ingestion:** If the person is fully conscious make him/her drink water (500ml/max.).
NEVER give an unconscious person any thing to drink.
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5. Fire-fighting measures

Extinguishing media

- Suitable:** All extinguishing agents can be used. Preferably use: water spray
- Not suitable:** None. If there is a fire close by, use suitable extinguishing agents
- Specific hazards:** Not combustible. However, it may present a risk in the event of a Fire. On heating: Pungent suffocating fumes are released.

Specific fire fighting methods: Stay upwind. Evacuate the suffocating fumes.

Protection of fire fighters: Self-contained breathing apparatus.

6. Accidental release measures

Personal protections:

If spillage occurred on the public highway, indicate the danger and Notify the authorities (police, fire brigade).

Personal protective equipment:

-Safety glasses.

-Appropriate gloves

Remove all incompatible materials as quickly as possible:

-Alkalis and caustic products.

Environmental precautions: Avoid direct discharge into drain.

Prevent the product from spreading into the environment.

Methods for cleaning up

- Prohibited:** **DO NOT** put the spilled material back into the original Container for re-uses.
- Recovery:** Sweep up or vacuum up the product.
Transfer the product into a spare container-suitably labeled.
- Cleaning/Decontamination:** If necessary, wash with water following recovery.
- Disposal:** Dispose of materials or solid residues at an authorized site.

DO NOT discharge into drains.

7. Handling and storage

HANDLING

Technical measures: Dose not necessary any specific/particular technical measures, Other than those concerning the handling of powers.

Measures: Avoid the formation or spread of dust in the atmosphere.
Avoid high temperatures.

Safe handling advice: Handle and use in according with good occupational Discharge hygiene and safety practice

STORAGE

Technical measures: DO NOT stack the pallets.
Take all necessary measures to avoid accidental discharge of Products into drains and waterways due to the rupture container or transfer systems.

Storsge condition

-recommended: Store:-away from heat.
-protected from humidity and bad weather conditions.

-To be avoid : Store away incompatible materials.

Incompatible produces: Alkalis and caustic products. Strong bases Strong oxidizing agents.

Packing: Product must only be kept in the original packaging .
-Plastic bags. -Big-bag.

Packaging materials

-Recommended: Polyethylene Or Ply propylenc.

Exposure controls/person production

Enginering measures: Ensure good ventilation of the work attention.
No specific measures are required provided the products is handled
In accordance with the general rules of occupational hygiene and Safe

Personal protective equipment

-Respiratory production: If dust is generated: Respiratory protective device with a particle filter.

-Hand protection: protective gloves made of rubber.

-Eye protection: safety spectacles.

-Skin and body protection: impermeable clothing.

Collative emergency equipment: Eye fountain.

Further information: The user is responsible for monitoring the working environment in
Accordance with local laws and regulations.

8. Physical and chemical properties

APPEARANCE

-Physical state: solid.
-From: crystals.
-Size: 0.125 –2mm.
-Color: white.

Odor: no

PH: **1.6-2.0**(Aqueous solution 1%)

Specific temperatures

-Melting: 117.3°C. (Decompose below melting point).

Flammability characteristics

-Flash point:	Not applicable.
Oxidizing properties:	Non-oxidizing materials according to EC criteria.
Exposition properties	
Explosive limits in air:	Not applicable.
9. Stability and reactivity.	
Stability:	Stable at ambient temperature and under normal condition of use.
Hazardous reactions	
-Conditions to avoid:	On heating, the product decomposes in air without melting.
-Materials to avoid:	reacts violently with:-strong oxidizing agents. –alkaline hypochlorites Risk of toxic gas emission on contact with: -strong bases.
-Hazardous decomposition products:	At temperatures above 85°C, it forms: Very irritating Fumes. (Ammonia). At temperatures above 600°C, it forms: corrosive Fumes. (Phosphorus oxides).

10. Toxicological information

Acute toxicity:	LD 50 oral(Rat):5750 mg/kg.
Local effects	(dusts) Slightly irritating to the respiratory system. Slightly irritating to the skin Slightly irritating to the eyes.
Further information:	No particular risk when handled in accordance with good Occupational hygiene practice.

12. Ecological information

MOBILITY

Expected behavior of the product: Ultimate destination of the product: WATER.

DEGRADABILITY

Abiotic degradation

-Other physico-chemical reaction: Converted in the aquatic environment into:(PO₄) Salts

BIODEGRADABILITY

Persistence: Substance is totally biotransformed(metabolized).

BIOACCUMULATION

Octanol/water partition coefficient: Not applicable

13. Disposal considerations

WASTE FROM RESIDUES

Prohibition: Do not allow the product to be released into the environment.
Discharging waste into rivers and drains is forbidden.

Destruction/Disposal: Recycle the material as far as possible.
Solid waste: Dispose of in accordance with relevant local regulations.

CONTAMINATED PACKAGING

Prohibition: Do Not dispose of with domestic waste.
Do not burn empty packaging.

Decontamination/cleaning: Empty the packaging completely prior to disposal.

Destruction/Disposal: Bags :recycle following cleaning or disposal of at an authorized site.

NOTE: Bulk containers: Reuse or recycle following decontamination.
The user's attention is drawn to the possible existence of local regulations regarding disposal

14. Transport information

INTERNATIONAL REGULATIONS

Land

-Rail/road (RID/ADR): NOT restricted

Sea(LMO/IMDG): NOT restricted

Air(ICAO): NOT restricted

NOTE: The above regulatory prescriptions are those valid on the date of Publication of this sheet. Given the possible evolution of transport Regulations for hazardous materials, it would be advisable to check. Their validity with your sales office.

15. Regulatory information

16. LABELLING

EC REGULATION: Mandatory labeling (self-classification) of Hazardous substance: not applicable

-Identification of the hazardous: EC N: Does not appear on the EC hazardous substance list (Annex 1 of the modified EC directive 67/548/EEC).

NOTE: The regulatory information given above only indicates the principal Regulations specifically applicable to the product described in the Safety Data Sheet. The user's attention is drawn to the possible Existence of additional provision which complete these Regulations. Refer to all application national, international and local Regulations or provisions.

17. Other information

Uses

-Prohibited uses: This product is only intended for industrial use.
This grade is not intended to be used in food products.

Chemical formula: $H_3PO_4 \cdot CO(NH_2)_2$

This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the same time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precaution required in handling the product. The aim of mandatory Regulations mentioned is to help the user to fulfill his obligations regarding the use of hazardous products. This information is not exhaustive. This does not exonerate the user from ensuring that legal obligations, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely his responsibility.
