

## MATERIAL SAFETY DATA SHEET

### Section 1. Identification Of The Substance

Chemical Name : Water Soluble Fertilizer  
Trade Name : NPK 13-8-40  
Common Name : N.P.K  
Chemical Family : Compound Fertilizer  
Formula : 13-8-40

### Section 2. Composition/Information On Ingredients

Chemical Name : Water Soluble Fertilizer  
Total Nitrogen : 13%  
Phosphorus (P2O5): 8%  
Potash (K2O) : 40%  
total Insoluble : < 0.05  
Formula : fertilizer  
Balance Density : not Applicable.

### Section 3. physical DATA

Water Solubility : Highly Soluble 99.5% at 25 °C  
PH Value : 5.0-8.5

### Section 4. First Aid Measures

Ingestion: induce vomiting  
Eye : flush with water .  
Skin : flush with water .  
Inhalation: Remove to fresh air .  
For all emergency cases, it is advisable to get medical attention .

### Section 5. Fire Fighting Measures

Flammability : Not flammable  
Extinguishing media : Foam, Carbon dioxide, Dry chemical or Water  
spray (fog), as suitable to extinguish surrounding fire.  
Special fire fighting methods : Use self contained breathing apparatus .  
Unusual fire or explosion hazards : None

### Section 6. Accidental Release Measures

Clean the site with water .

### Section 7. Handling and Storage :

Store in original container in a fresh and dry place , away from direct heat and sunlight .

## Section 8. Exposure control / personal protection

Applicators and other handlers don't need special requirements ,  
We recommend the use of a gloves , dust mask , safety goggles .

## Section 9. Physical and Chemical Properties

Appearance :	White color
Boiling point :	Decomposes on heating above 197C
Ignition point :	Non-flammable
Flash point :	Non-flammable
Density (20°C)	Not Applicable
Corrosion :	Non-corrosive

## Section 10. Stability and Reactivity

Chemical Stability :	Stable at normal temperatures and storage condition
Condition to avoid :	Extremely heat and direct sunlight
Material to avoid :	Oxidizing agents
Polymerization :	Polymerization will not occur , in the pure material

## Section 11. Toxicological Information

Not Toxic

## Section 12. Ecological Information

### *Biodegradability*

The product is biodegradable.

### *Ecological and biological effects*

None

## Section 13. Disposal Instruction

The product should be recycled

## Section 14. Transport Information

No special requirements

## Section 15. Special Protection Information

Respiratory Protection : Not volatile, dust mask should be used in case of dusty material.

Eye Protection : Use safety Goggles

Other protective equipment and precautions , wear poly propylene gloves

Proper use is as agricultural Fertilizer only.

### Disclaimer

This information is based on our current knowledge and is intended to describe the product for the purpose of health, safety and environment requirements only. However the supplier does not assume any liability what so ever for the accuracy and completeness of information contained herein. It should not therefore be construed as guaranteeing any specific property of the product. **DISCLAIMER OF LIABILITY** The information in this MSDS was obtained from sources which we believe are reliable. However the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. Final determination of the suitability of any material is the sole responsibility of the user . Although certain hazards are described herein we can not guarantee that these are the only hazards that exist. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with handling, storage, use, disposal of the product.

Issued by:

Arab Fertilizers & Chemicals Industries Ltd.

(KEMAPCO®)

P.O.BOX 2564 Aqaba 77110 Jordan

TEL.: +96232017174

FAX: +96232017181

E-mail : kemapco@kemapco.com.jo

