

MATERIAL SAFETY DATA SHEET

Section 1. Identification Of The Substance

Chemical Name : KNO_3 and $\text{NH}_4\text{H}_2\text{PO}_4$
Trade Name : NPK 13-8-40
Common Name : N.P.K
Chemical Family : Ternary Mixed Mineral Fertilizer
Formula : 13.8.40

Section 2. Composition/Information On Ingredients

Substance/mixture

Ingredient name	Chemical name	CAS number	%Formula
NOP(KNO_3)	Potassium nitrate	7757-79-1	86.5%
MAP($\text{NH}_4\text{H}_2\text{PO}_4$)	Mono-Ammonium Phosphate	7722-76-1	13.5%
total Insoluble :			< 0.05%

Any concentration shown as a range is to protect confidentiality or is due to batch variation. There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Section 3. Physical DATA

Water Solubility : Highly Soluble 99.5% at 25 °C
pH Value : 4.0-7.0

Section 4. First Aid Measures

Ingestion: Do not 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 : Carbon dioxide, Dry chemical, Water spray or fog, as suitable to extinguishing surrounding fire.
Special fire fighting methods : Use self contained breathing apparatus .
Special Hazards: At exposure to high temperature it may decompose and release toxic gases.
Reacts with combustible materials and increases combustion.

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 :	Reducing agent, flammable materials, combustibles.
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

UN code:	1479
IMO:	5.1
HS code:	31052000

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

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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

