

01. Identification

Product name: NK 13-0-44+1%Mg

Technical name: potassium and Magnesium

Proper shipping Name: Oxidizing Solid, N.O.S.

Common name/synonym: Kalisalpeter

Company: Kemapco
P.O.Box 2564 Aqaba
Zip code 77110 Jordan

Medical help and advice: Clinic of Occupational Medicine

02. Composition

The product is a crystalline product of NK 13-0-44+1%Mg with 0.1 % coating agent.

Ingredient name	Chemical name	CAS number	%Formula
NOP(KNO3)	Potassium nitrate	7757-79-1	94%
(MgSO4)	Magnesium Sulfate	7487-88-9	6%

03. Hazard identification

The product is hazardous only to a certain extent. It may intensify fire (oxidizer).



GHS label elements

Hazard pictogram (CLP):

Signal word (CLP): Warning

Hazard statements (CLP):

H272 May intensify fire; oxidizer

Precautionary statements (CLP) :

P210 - Keep away from heat, sparks, open flames, hot surfaces. - No smoking
P220: Keep/Store away from clothing /.../combustible materials.
P280 - Wear protective gloves, protective clothing, eye protection, face protection.
P501 - Dispose of contents and container to a hazardous or special waste collection point.

P370+P378 - In case of fire: Use Water, foam, extinguishing powder, carbon dioxide (CO2) to extinguish.

04. First-aid measures

- If on skin: wash with plenty of soap and water
- If in eyes: rinse cautiously with water for several minutes, remove contact lenses, if present and easy to do, continue rinsing
- Inhalation: Rinse nose, mouth and throat with water
- Ingestion: Immediately rinse mouth and throat. Drink plenty of water or milk. Do not induce vomiting. Seek medical help.

5. Fire-fighting measures

NK 13-0-44+1%Mg is not combustible. However, it decomposes when heated and liberate toxic nitrate gases. NK 13-0-44+1%Mg is fire feeding. Use flooding quantities of water to extinguish.. Stay in the windward side and use breathing mask for protection against nitrate gases.

06. Accidental release measures

Avoid generation of dust when handling of spillage. Use personal protection equipment (see point 8). Sweep up spillage. Can normally be used again as fertilizer.

07. Handling and storage

Avoid any handling causing dust formation. Access to water in case of fire and eyewash facility should be available. Store the product in a dry place and without contact with combustible materials. Storing must be in accordance with the regulations of the Department of the Environment.

08. Exposure control/personal protection

If formation of dust cannot be avoided or if ventilation is not adequately use of dust respirator (P2) is necessary. Wear gloves and dust glasses. During work with NK 13-0-44+1%Mg eating, drinking, and smoking are not allowed. No threshold limit value has been established for the product.

09. Physical and chemical properties

Appearance: Crystalline powder
Color: White
Smell: None
Bulk density: 1.1 -1.2 kg/l
Solubility: Fully soluble in water
PH: 6-9 in 10% water solution

10. Stability and reactivity

Under normal circumstances the product is stable. It is fire feeding (a oxidizing substance) to organic materials. At a temperature over 400C° the product decomposes and develop nitrate gases.

11. Toxicological information

Acute toxicity:
LD₅₀ (orally, rats): 3750 mg/kg. The product is not classified as hazardous. It may cause irritation to mucous membrane and by ingestion of larger quantities it may cause acute stomach disorders. No long-term adverse effects are known.

12. Ecological information

NK 13-0-44+1%Mg may cause damages to the environment like undesirable manurial value. In case of accidental water course contamination inform the appropriate water or environmental authority.

13. Disposal

Accumulated spillage can normally be used again as fertilizer material. Dispose of polluted spillage to an authorized waste facility as chemical waste.

14. Transport information

IMDG : class 5.1,
Packing group: III
ADR/RID : class 5.1
UN-No. : 1479
IBC : IBC 08
EmS-No. : F-A , S-Q

15. Regulatory information

Globally Harmonized System of classification & labeling of chemicals (GHS)

REGULATION (EC) NO 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE

COUNCIL OF 16 December 2008 on classification, labeling and packaging of substances and mixtures

Hazard class and Category Code

-Physical Hazard: Oxidizing solids- Category 3-
Warning (CLP: Ox. Sol. 3)

16. Other information

The information stated in point 1-15 is issued from our knowledge of the product. It does not contain any guarantee for special properties. It is important that the person(s) using the above product is/are informed of the exact laws and regulations and that the product is used according to these and for no other purposes than supplied for.



**COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY SGS
=ISO 9001=**

Arab Fertilizers & Chemicals Industries Ltd.
(KEMAPCO®)
P.O.BOX 2564 Aqaba 77110 Jordan
TEL.: +96232017174
FAX : +96232017181
E-mail : kemapco@kemapco.com.jo