1 Identification of the substance/preparation and of the company/undertaking

- Product details
- Trade name: NP/NPK fertiliser
- Application of the substance / the preparation Fertilizer
- Manufacturer/Supplier:
  Rotem Amfert Negev Ltd.
  Mishor Rotem Plants
  M.P. Arava 86800
  ISRAEL
- Further information obtainable from: E-mail: sluis@iclfertilizers.eu
- Information in case of emergency:
  In Europe call: +31-205-815100
  In Israel call: +972-8-6504777
  +972-8-6504915

2 Hazards identification

- Hazard description: None
- Information concerning particular hazards for human and environment:
  The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.
- Classification system:
  The classification is according to the latest editions of the EU-lists, and extended by company and literature data.
- GHS label elements Void

3 Composition/information on ingredients

- Chemical characterization
- Description:
  Mixture: consisting of the following components.
  superphosphate (SSP)
  superphosphate, concentrated (TSP)
  potash (KCl)
  monoammonium phosphate (MAP)
  diammonium phosphate (DAP)
  ammonium sulphate
- Dangerous components: Void

4 First aid measures

- General information: No special measures required.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- After skin contact:
  Generally the product does not irritate the skin.
  Rinse with warm water.
  If skin irritation continues, consult a doctor.
- After eye contact:
  Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

(Contd. on page 2)
• After swallowing:
  Rinse out mouth and then drink plenty of water.
  If symptoms persist consult doctor.
  Do not induce vomiting.
  NOTE: Never give an unconscious person anything to drink.

5 Fire-fighting measures

• Suitable extinguishing agents:
  The product is not flammable.
  Use fire extinguishing methods suitable to surrounding conditions.
• Special hazards caused by the substance, its products of combustion or resulting gases:
  In case of fire, the following can be released:
  Phosphorus oxides (e.g. P2O5)
  Nitrogen oxides (NOx)
  Sulphur oxides (SOx)
  Fluorides
• Protective equipment:
  Wear self-contained respiratory protective device.
  Wear fully protective suit.

6 Accidental release measures

• Person-related safety precautions:
  Avoid formation of dust.
  Use respiratory protective device against the effects of fumes/dust/aerosol.
  Wear protective clothing.
• Measures for environmental protection: Do not allow to enter sewers/surface or ground water.
• Measures for cleaning/collection: Pick up mechanically.
• Additional information: No dangerous substances are released.

7 Handling and storage

• Handling:
  Information for safe handling:
  Ensure good ventilation/exhaustion at the workplace.
  Prevent formation of dust.
  Information about fire - and explosion protection:
  The product is not flammable.
  Protect from heat.
• Storage:
  Requirements to be met by storerooms and receptacles:
  Store in a cool location.
  Store in dry conditions.
  Protect from heat and direct sunlight.
  Information about storage in one common storage facility: Not required.
  Further information about storage conditions: None.
Trade name: NP/NPK fertiliser

8 Exposure controls/personal protection

- Additional information about design of technical facilities: No further data; see item 7.
- Ingredients with limit values that require monitoring at the workplace:
  The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- Additional Occupational Exposure Limit Values for possible hazards during processing:
  Ventilation must be sufficient to maintain TLV-TWA below 3 mg/m³, respirable particles, and 10 mg/m³, inhalable particles [(ACGIH recommendation for Particles (Insoluble or poorly soluble). Not Otherwise Specified (PNOS))].
- Personal protective equipment:
  - General protective and hygienic measures:
    The usual precautionary measures are to be adhered to when handling chemicals.
    Keep away from foodstuffs, beverages and feed.
    Immediately remove all soiled and contaminated clothing
    Wash hands before breaks and at the end of work.
    Do not eat or drink while working.
  - Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.
  - Protection of hands:


Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection: Safety glasses

Body protection: Protective work clothing

9 Physical and chemical properties

- General Information
  
  Form: Solid
  Colour: Light brown
  Grey
  Odour: Odourless

- Change in condition
  Melting point/Melting range: Not applicable
  Boiling point/Boiling range: Not applicable

- Flash point: Not applicable.

- Self-igniting: Product is not selfigniting.

- Danger of explosion: Product does not present an explosion hazard.
Trade name: NP/NPK fertiliser

- Density: Not determined.
- Solubility in / Miscibility with water: Soluble.
- pH-value: Slightly acidic
- Solvent content:
  - Organic solvents: 0,0 %
  - Solids content: 100,0 %

10 Stability and reactivity

- Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- Dangerous reactions: No dangerous reactions known.
- Dangerous decomposition products:
  - Formation of toxic gases is possible during heating or in case of fire.
  - Phosphorus oxides (e.g. P2O5)
  - Sulphur oxides (SOx)
  - Nitrogen oxides (NOx)
- Danger of toxic fluorine based pyrolysis products.

11 Toxicological information

- Acute toxicity:
  - LD/LC50 values relevant for classification: Not determined
- Primary irritant effect:
  - on the skin: Not determined
  - on the eye: Not determined
- Sensitization: No sensitizing effects known.
- Additional toxicological information:
  - The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.
  - When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.

12 Ecological information

- Behaviour in environmental systems:
- Mobility and bioaccumulation potential: Does not accumulate in organisms
- Other information:
  - Product should not get in higher quantities into waste water because it may act as a plant nutrient and cause eutrophication.
- Ecotoxicological effects:
- Aquatic toxicity: Not determined
- General notes:
  - Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
13 Disposal considerations

- Product:

  - Recommendation
  - Smaller quantities can be disposed of with household waste.
  - Disposal must be made according to official regulations.

- Waste disposal key: Not applicable

- Uncleaned packaging:

  - Recommendation: Disposal must be made according to official regulations.
  - Recommended cleansing agents: Water, if necessary together with cleansing agents.

14 Transport information

- DOT regulations:

  - Hazard class: None

- Land transport ADR/RID (cross-border)

  - ADR/RID class: None

- Maritime transport IMDG:

  - IMDG Class: None

- Marine pollutant: No

- Air transport ICAO-TI and IATA-DGR:

  - ICAO/IATA Class: None

- UN "Model Regulation": Not dangerous according to the above specifications.

15 Regulatory information

- Labelling according to EU guidelines:

  - Observe the general safety regulations when handling chemicals.
  - The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

- National regulations:

- Other regulations, limitations and prohibitive regulations

*(Contd. on page 6)*
Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing date 21.03.2010
Revision: 21.03.2010

Trade name: NP/NPK fertiliser

Registration status (Chemical Inventories listing):
- Europe (EINECS): All components are listed
- United States (TSCA): All components are listed
- Canada (DSL): All components are listed
- Australia (AICS): All components are listed
- China (IECSC): All components are listed

* 16 Other information

- Department issuing MSDS: EHS UNIT in ISRAEL
- Contact:
  Dr. J. Lati
  Tel.: +972-8-6465-341
  Fax.: +972-8-6465-342
  E-mail: lati@dsw.co.il
- Abbreviations and acronyms:
  ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
  RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
  IMDG: International Maritime Code for Dangerous Goods
  DOT: US Department of Transportation
  IATA: International Air Transport Association
  IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)
  ICAO: International Civil Aviation Organization
  ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)
  GHS: Globally Harmonized System of Classification and Labelling of Chemicals
  LC50: Lethal concentration, 50 percent
  LD50: Lethal dose, 50 percent
- * Data compared to the previous version altered.

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