

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 12.04.2018

2-800-26-006-EU version 7

Revision: 12.04.2018

SECTION 1: Identification of the substance/mixture and of the company/undertaking

· **1.1 Product identifier**

· **Trade name:** Phosphate Rock

· **Synonyms** Fluorapatite

· **CAS Number:**

1306-05-4

· **EC number:**

215-144-1

· **Registration number**

This product is exempted from the obligation to register in accordance to Reg. (EC) 1907/2006 (naturally occurring mineral that is not modified chemically).

· **1.2 Relevant identified uses of the substance or mixture and uses advised against**

Relevant identified uses:

Fertiliser

Initial product for chemical reactions

No uses advised against.

· **1.3 Details of the supplier of the safety data sheet**

· **Manufacturer/Supplier:**

Rotem Amfert Negev Ltd.

Mishor Rotem Plants

M.P. Arava 8680600

ISRAEL

Phone: +97286504833

E-mail: msdsinfo@icl-group.com

Supplier:

ICL Fertilizers Europe C.V.

Fosfaatweg 48 1013 BM

P.O. Box 313, 1000 AH Amsterdam,

The Netherlands

Tel.: +31-(0)20-5815132

Fax: +31-(0)20-6868328

ICL Fertilizers Deutschland GmbH

Giulinistrasse 2

D-67065 Ludwigshafen

Telephone +49 621 5793 - 6

Telefax +49 621 5793 - 700

· **1.4 Emergency telephone number:**

In Europe call: +31-205-815100 (24 hours a day, 365 days a year)

In Israel call: +972-8-6504777 (24 hours a day, 365 days a year)

+972-8-6504915

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**

· **Classification according to Regulation (EC) No 1272/2008** The substance is not classified according to the CLP regulation.

· **2.2 Label elements**

· **Labelling according to Regulation (EC) No 1272/2008** Void

· **Hazard pictograms** Void

· **Signal word** Void

· **Hazard statements** Void

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- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

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SECTION 3: Composition/information on ingredients

- **3 Substances**
- **CAS No. Description**
1306-05-4 Fluorapatite
- **EC number:** 215-144-1
- **SVHC** None

SECTION 4: First aid measures

- **4.1 Description of 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.
- **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.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**
The product is not flammable.
Use fire extinguishing methods suitable to surrounding conditions.
- **5.2 Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Phosphorus oxides (e.g. P₂O₅)
Carbon monoxide and carbon dioxide
Danger of toxic fluorine based pyrolysis products.
- **5.3 Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.

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SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
Avoid formation of dust.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Wear protective clothing.
- **6.2 Environmental precautions:** Do not allow product to reach sewage system or any water course.
- **6.3 Methods and material for containment and cleaning up:** Pick up mechanically.
- **6.4 Reference to other sections** No dangerous substances are released.

SECTION 7: Handling and storage

- **7.1 Precautions 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.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:**
Store in dry conditions.
Protect from heat and direct sunlight.
- **Information about storage in one common storage facility:** Do not store together with acids.
- **Further information about storage conditions:** None.
- **7.3 Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Additional information:**
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)]
- **8.2 Exposure controls**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
Keep away from foodstuffs, beverages and feed.
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.



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· **Protection of hands:**



Protective gloves

· **Material of gloves**

Butyl rubber, BR

Nitrile rubber, NBR

Chloroprene rubber, CR

· **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. (EN 374)

· **Eye protection:**



Safety glasses

· **Body protection:** Protective work clothing

· **Limitation and supervision of exposure into the environment**

The product should not get in high quantities into waste water because it may act as a plant nutrient and cause eutrophication.

SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**

· **General Information**

· **Appearance:**

Form: Solid

Colour: White

Grey

· **Odour:**

Odourless

· **pH-value:**

Neutral

· **Change in condition**

Melting point/freezing point: Not applicable

Initial boiling point and boiling range: Not applicable

· **Flash point:**

Not applicable.

· **Auto-ignition temperature:**

Product is not selfigniting.

· **Explosive properties:**

Product does not present an explosion hazard.

· **Bulk density at 20 °C:**

1,4-1,5 g/cm³

· **Solubility in / Miscibility with water:**

Insoluble.

· **Partition coefficient: n-octanol/water:**

Not applicable

This product is inorganic.

· **Viscosity:**

Not applicable

This product is solid. Viscosity is only relevant to liquids.

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· **9.2 Other information**

No further relevant information available.

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SECTION 10: Stability and reactivity

- **10.1 Reactivity** No decomposition if used according to specifications.
- **10.2 Chemical stability** No decomposition if used and stored according to specifications.
- **10.3 Possibility of hazardous reactions** Reacts with acids.
- **10.4 Conditions to avoid** To avoid thermal decomposition do not overheat.
- **10.5 Incompatible materials:**
 - Mineral acids
 - Aluminium
 - Phosphorus
- **10.6 Hazardous decomposition products:**
 - Formation of toxic gases is possible during heating or in case of fire.
 - Phosphorus oxides (e.g. P₂O₅)
 - Carbon monoxide and carbon dioxide
 - Danger of toxic fluorine based pyrolysis products.

SECTION 11: Toxicological information

- **11.1 Information on toxicological effects**
- **Acute toxicity** No data available
- **LD/LC50 values relevant for classification:** Not determined
- **Primary irritant effect:**
- **Skin corrosion/irritation:** No data available
- **Serious eye damage/irritation:** No data available
- **Respiratory or skin sensitisation** No data available.
- **Additional toxicological information:**
 - When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** No data available
- **Carcinogenicity:** No data available
- **Toxicity for reproduction:** No data available
- **STOT-single exposure** No data available
- **STOT-repeated exposure** No data available
- **Aspiration hazard** No data available

SECTION 12: Ecological information

- **12.1 Toxicity**
- **Aquatic toxicity:** Not determined
- **12.2 Persistence and degradability** The substance is inorganic; therefore no biodegradation tests are applicable.
- **12.3 Bioaccumulative potential** Does not accumulate in organisms
- **12.4 Mobility in soil** No further relevant information available.
- **Other information:**
 - The product should not get in high quantities into waste water because it may act as a plant nutrient and cause eutrophication.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** No assessment is required for inorganic substances.

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- **vPvB:** No assessment is required for inorganic substances.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation**
Can be reused without reprocessing.
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:**
Packaging may be reused or recycled after cleaning.
Disposal must be made in accordance with Local Authority requirements.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

SECTION 14: Transport information

- **14.1 UN-Number**
- **DOT, ADR, ADN, IMDG, IATA** Void
- **14.2 UN proper shipping name**
- **DOT, ADR, ADN, IMDG, IATA** Void
- **14.3 Transport hazard class(es)**
- **DOT, ADR, ADN, IMDG, IATA**
- **Class** Void
- **14.4 Packing group**
- **DOT, ADR, IMDG, IATA** Void
- **14.5 Environmental hazards:**
- **Marine pollutant:** No
- **14.6 Special precautions for user** Not applicable.
- **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code** Not applicable.
- **Transport/Additional information:** Not dangerous according to the above specifications.
- **UN "Model Regulation":** Void

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
Directive 2000/60 EC (phosphates)
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Registration status (Chemical Inventories listing) :**
Australia (AICS) : listed
Japan (ENCS) : listed
Korea (KECI) : listed

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NTP (National Toxicology Program) : Substance is not listed

IARC (International Agency for Research on Cancer) : Substance is not listed

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

· **Department issuing SDS:**

HERA Division

telephone: +/972-8-6297835

telefax: +/972-8-6297832

e-mail: msdsinfo@icl-group.com

· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

· *** Data compared to the previous version altered.**

The sections where alterations took place are marked with an asterisk in the left border.

· **Disclaimer**

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