

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

#### 1.1. Product identifier

Product form	: Mixture
Trade name	: Polyamix NPK 13-40-13 + 0.5 + TE
Type of product	: Fertilizer
Product group	: Blend

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Industrial/Professional use spec	: Industrial
Use of the substance/mixture	: Fertilizer
Use of the substance/mixture	: Agriculture, forestry, fishery
Function or use category	: Fertilisers

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Anorel NV  
Lintsesteenweg 632  
2540 Hove  
T +3234880233  
[anorel@anorel.net](mailto:anorel@anorel.net) - [www.anorel.net](http://www.anorel.net)

#### 1.4. Emergency telephone number

Country	Organisation/Company	Address	Emergency number	Comment
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Israel	Israel Poison Information Center Rambam Health Care Campus	6 Ha'Aliya Street 31096 Haifa	+972 4 854 1900	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504	
United Kingdom	National Poisons Information Service (Cardiff Centre) Gwenwyn Ward, Llandough Hospital	Penarth CF64 2XX Cardiff	0344 892 0111	

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

##### Adverse physicochemical, human health and environmental effects

To our knowledge, this product does not present any particular risk, provided it is handled in accordance with good occupational hygiene and safety practice.

#### 2.2. Label elements

##### Labelling according to Regulation (EC) No. 1272/2008 [CLP]

No labelling applicable

#### 2.3. Other hazards

No additional information available

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

# Polyamix NPK 13-40-13 + 0.5 + TE

## Safety Data Sheet

according to Regulation (EU) 2015/830

### 3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ammonium dihydrogen phosphate	(CAS No) 7722-76-1 (EC no) 231-764-5 (REACH-no) 01-2119488166-29	50 - 80	Not classified
potassium nitrate	(CAS No) 7757-79-1 (EC no) 231-818-8 (REACH-no) 01-2119488224-35	20 - 50	Ox. Sol. 3, H272
ammonium nitrate, conc combustible substances < 0,2%	(CAS No) 6484-52-2 (EC no) 229-347-8 (REACH-no) 01-2119490981-27	1 - 10	Ox. Sol. 1, H271 Eye Irrit. 2, H319
tetrapotassium pyrophosphate, anhydrous	(CAS No) 7320-34-5 (EC no) 230-785-7 (REACH-no) 01-2119489369-18	1 - 10	Eye Irrit. 2, H319 Skin Irrit. 2, H315

Full text of H-statements: see section 16

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

First-aid measures general	: If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Wash skin with plenty of water.
First-aid measures after eye contact	: Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.

### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/injuries after skin contact	: May cause moderate irritation.
Symptoms/injuries after eye contact	: May cause slight irritation.
Symptoms/injuries after ingestion	: On ingestion in large quantities: May cause gastrointestinal irritation, nausea, vomiting and diarrhoea.
Symptoms/injuries upon intravenous administration	: Not expected to be a primary route of exposure.

### 4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam.

### 5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area.

#### 6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Mechanically recover the product.  
Other information : Dispose of materials or solid residues at an authorized site.

# Polyamix NPK 13-40-13 + 0.5 + TE

## Safety Data Sheet

according to Regulation (EU) 2015/830

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in a well-ventilated place. Keep cool.

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Polyamix NPK 13-40-13 + 0.5 + TE

DNEL/DMEL (additional information)

Additional information

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace

### 8.2. Exposure controls

#### Appropriate engineering controls:

Ensure good ventilation of the work station.

#### Personal protective equipment:

Dustproof clothing. Gloves. In case of dust production: protective goggles.

#### Hand protection:

Protective gloves

#### Eye protection:

Safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment



#### Environmental exposure controls:

Avoid release to the environment.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state : Solid  
Appearance : Crystalline powder.  
Colour : white.  
Odour : odourless.  
Odour threshold : No data available  
pH : No data available  
pH solution : 4,5 10% solution  
Relative evaporation rate (butylacetate=1) : No data available  
Melting point : No data available  
Freezing point : Not applicable  
Boiling point : No data available

# Polyamix NPK 13-40-13 + 0.5 + TE

## Safety Data Sheet

according to Regulation (EU) 2015/830

Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: Not applicable
Density	: 1000 kg/m <sup>3</sup>
Solubility	: Soluble in acetic acid. Soluble in water.
Log Pow	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: No data available
Explosive properties	: Not explosive.
Oxidising properties	: No data available.
Explosive limits	: Not applicable

### 9.2. Other information

Minimum ignition energy	: <
Bulk density	: 1000 kg/m <sup>3</sup>

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : Not classified

<b>potassium nitrate (7757-79-1)</b>	
LD50 oral rat	3750 mg/kg bodyweight (Rat)
LD50 dermal rat	> 5000 mg/kg bodyweight
LC50 inhalation rat (mg/l)	> 0,527 mg/l/4h
<b>ammonium dihydrogen phosphate (7722-76-1)</b>	
LD50 oral rat	5750 mg/kg (Rat)
LD50 dermal rabbit	> 7940 mg/kg (Rabbit)
<b>ammonium nitrate,conc combustible substances&lt;0,2% (6484-52-2)</b>	
LD50 oral rat	4820 mg/kg (Rat)
LD50 dermal rabbit	> 3000 mg/kg (Rabbit)
<b>tetrapotassium pyrophosphate, anhydrous (7320-34-5)</b>	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	> 4640 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	> 1,1 mg/l/4h

Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Not classified
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

# Polyamix NPK 13-40-13 + 0.5 + TE

## Safety Data Sheet

according to Regulation (EU) 2015/830

Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

### SECTION 12: Ecological information

#### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.

<b>potassium nitrate (7757-79-1)</b>	
LC50 fish 2	1378 mg/l (LC50; 96 h; Poecilia reticulata)
LC50 other aquatic organisms 2	490 mg/l (48 h; Daphnia magna)
ErC50 (algae)	> 1700 mg/l
ErC50 (other aquatic plants)	10d
<b>ammonium dihydrogen phosphate (7722-76-1)</b>	
LC50 fish 1	155 ppm (LC50; 96 h)
<b>ammonium nitrate, conc combustible substances &lt;0,2% (6484-52-2)</b>	
LC50 fish 1	≈ 447 mg/l Cyprinus carpio
EC50 Daphnia 1	≈ 490 mg/l Daphnia magna
EC50 72h algae (1)	> 1700 mg/l Benthic diatoms
<b>tetrapotassium pyrophosphate, anhydrous (7320-34-5)</b>	
LC50 fish 1	> 750 mg/l (LC50; 48 h)
EC50 Daphnia 1	> 100 mg/l Daphnia magna

#### 12.2. Persistence and degradability

<b>potassium nitrate (7757-79-1)</b>	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable
<b>ammonium dihydrogen phosphate (7722-76-1)</b>	
Persistence and degradability	Biodegradability in water: no data available.
<b>ammonium nitrate, conc combustible substances &lt;0,2% (6484-52-2)</b>	
Persistence and degradability	Biodegradable in water. Biodegradable in the soil.
<b>tetrapotassium pyrophosphate, anhydrous (7320-34-5)</b>	
Persistence and degradability	Biodegradability: not applicable.
Biochemical oxygen demand (BOD)	Not applicable
Chemical oxygen demand (COD)	Not applicable
ThOD	Not applicable

#### 12.3. Bioaccumulative potential

<b>potassium nitrate (7757-79-1)</b>	
Bioaccumulative potential	Low bioaccumulation potential.
<b>ammonium dihydrogen phosphate (7722-76-1)</b>	
Bioaccumulative potential	Low bioaccumulation potential.
<b>ammonium nitrate, conc combustible substances &lt;0,2% (6484-52-2)</b>	
Log Pow	-3,1
Bioaccumulative potential	Bioaccumulation: not applicable.
<b>tetrapotassium pyrophosphate, anhydrous (7320-34-5)</b>	
Bioaccumulative potential	Bioaccumulation: not applicable.

#### 12.4. Mobility in soil

# Polyamix NPK 13-40-13 + 0.5 + TE

## Safety Data Sheet

according to Regulation (EU) 2015/830

<b>potassium nitrate (7757-79-1)</b>	
Ecology - soil	Low potential for adsorption.
<b>ammonium nitrate, conc combustible substances &lt; 0,2% (6484-52-2)</b>	
Ecology - soil	Low absorption potential.

### 12.5. Results of PBT and vPvB assessment

Component	
potassium nitrate (7757-79-1)	PBT: not relevant – no registration required vPvB: not relevant – no registration required
ammonium nitrate, conc combustible substances < 0,2% (6484-52-2)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
tetrapotassium pyrophosphate, anhydrous (7320-34-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

### 14.1. UN number

UN-No. (ADR) : Not applicable  
UN-No. (IMDG) : Not applicable  
UN-No. (IATA) : Not applicable  
UN-No. (ADN) : Not applicable  
UN-No. (RID) : Not applicable

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable  
Proper Shipping Name (IMDG) : Not applicable  
Proper Shipping Name (IATA) : Not applicable  
Proper Shipping Name (ADN) : Not applicable  
Proper Shipping Name (RID) : Not applicable

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : Not applicable

#### IMDG

Transport hazard class(es) (IMDG) : Not applicable

#### IATA

Transport hazard class(es) (IATA) : Not applicable

#### ADN

Transport hazard class(es) (ADN) : Not applicable

#### RID

Transport hazard class(es) (RID) : Not applicable

### 14.4. Packing group

Packing group (ADR) : Not applicable  
Packing group (IMDG) : Not applicable  
Packing group (IATA) : Not applicable  
Packing group (ADN) : Not applicable  
Packing group (RID) : Not applicable

### 14.5. Environmental hazards

Dangerous for the environment : No

# Polyamix NPK 13-40-13 + 0.5 + TE

## Safety Data Sheet

according to Regulation (EU) 2015/830

Marine pollutant : No  
Other information : No supplementary information available

### 14.6. Special precautions for user

#### - Overland transport

Not applicable

#### - Transport by sea

Not applicable

#### - Air transport

Not applicable

#### - Inland waterway transport

Not applicable

#### - Rail transport

Not applicable

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list  $\geq 0,1 \%$  / SCL

Contains no REACH Annex XIV substances

#### 15.1.2. National regulations

##### Germany

VwVwS Annex reference : Water hazard class (WGK) 1, low hazard to waters (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

##### Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out

## SECTION 16: Other information

Full text of H- and EUH-statements:

Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Ox. Sol. 1	Oxidising Solids, Category 1
Ox. Sol. 3	Oxidising Solids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H271	May cause fire or explosion; strong oxidiser
H272	May intensify fire; oxidiser
H315	Causes skin irritation
H319	Causes serious eye irritation

# Polyamix NPK 13-40-13 + 0.5 + TE

## Safety Data Sheet

according to Regulation (EU) 2015/830

---

SDS EU (REACH Annex II)

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product*