



Polyamix 11-10-40 + TE

Safety Data Sheet

According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)
Product Reference code: NL01-004443_70170201_308g_EUR
Issue date: 17/11/2021 Revision date: 17/11/2021 Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Trade name : Polyamix 11-10-40 + TE
Product code : NL01-004443_70170201_308g_EUR
Type of product : Fertilizers
Product group : Blend

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

1.2.1. Relevant identified uses

Main use category : Fertilizers, Agriculture, forestry, fishery, Formulation [mixing] of preparations and/or re-packaging (excluding alloys)
Industrial/Professional use spec : Fertilizers
Formulation of preparations
Use of the substance/mixture : Fertilizers
Formulation [mixing] of preparations and/or re-packaging (excluding alloys)
Function or use category : Fertilisers

1.2.2. Uses advised against

Restrictions on use : None known

1.3. Details of the supplier of the safety data sheet

Supplier

SQM Holland B.V. B.V.
Autrichehavenweg 10
EC- 4554 MB Westdorpe
Netherlands
T +31 1 157 45 312
product_safety@sqm.com - www.sqm.com

1.4. Emergency telephone number

Emergency number : Netherland: National Poisons Information Centre (+31) 088 756 666 / Belgium: Centre Anti-Poisons/Antigifcentrum (+32) 070 245 245
For Chemical Emergency Call CHEMTREC 24hr/day 7days/week: +1 703-741-5970
(collect calls accepted)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Ox. Sol. 3 H272
Eye Dam. 1 H318

Full text of hazard classes, H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

May intensify fire; oxidiser. Causes serious eye damage.

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2.2. Label elements

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

Hazard pictograms (CLP)



GHS03

GHS05

Signal word (CLP)

: Danger

Contains

: Potassium Sulfate

Hazard statements (CLP)

: H272 - May intensify fire; oxidiser.
H318 - Causes serious eye damage.

Precautionary statements (CLP)

: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P220 - Keep away from clothing and other combustible materials.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTRE or doctor.
P370+P378 - In case of fire: Use any suitable mean for extinguishing surrounding fire. Spray water for small fires. For large fires flood with abundant water. to extinguish.
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards

Other hazards which do not result in classification : The product does not meet the PBT and vPvB classification criteria.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Potassium Sulfate	CAS-No.: 7778-80-5 EC-No.: 231-915-5 REACH-no: 01-2119489441-34	≥ 3	Eye Dam. 1, H318
Tetrapotassium Pyrophosphate	CAS-No.: 7320-34-5 EC-No.: 230-785-7 REACH-no: 01-2119489369-18	≥ 1	Eye Irrit. 2, H319

Comments

: Hazard classification of this material is based on the worst possible case

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general

: Call a poison center or a doctor if you feel unwell. In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

First-aid measures after inhalation

: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

First-aid measures after skin contact

: Wash skin with plenty of water.

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| First-aid measures after eye contact | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. |
| First-aid measures after ingestion | : Rinse mouth. Call a poison center or a doctor if you feel unwell. |

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

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| Symptoms/effects | : Not expected to present a significant hazard under anticipated conditions of normal use. |
| Symptoms/effects after inhalation | : Dust of the product, if present, may cause respiratory irritation after an excessive inhalation exposure. |
| Symptoms/effects after skin contact | : May cause skin irritation. |
| Symptoms/effects after eye contact | : Serious damage to eyes. |
| Symptoms/effects after ingestion | : On ingestion in large quantities: Irritation of the gastric/intestinal mucosa. |

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

Treat symptomatically. In the event of inhalation of decomposition products : Symptoms may be delayed.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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| Suitable extinguishing media | : use any suitable mean for extinguishing surrounding fire. Spray water for small fires. For large fires flood with abundant water. |
| Unsuitable extinguishing media | : None known. |

5.2. Special hazards arising from the substance or mixture

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| Fire hazard | : May intensify fire; oxidiser. |
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. Thermal decomposition generates : Nitrogen oxides. Nitrites. Phosphorus oxides. Potassium oxides. |

5.3. Advice for firefighters

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| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

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| Emergency procedures | : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with eyes. |
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6.1.2. For emergency responders

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

Do not allow into drains or water courses. Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

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| Methods for cleaning up | : Do not absorb with saw-dust or any other combustible absorbent material. Mechanically recover the product. Notify authorities if product enters sewers or public waters. |
| Other information | : Dispose of materials or solid residues at an authorized site. |

6.4. Reference to other sections

For further information refer to section 13.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Avoid contact with eyes.
- 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 : Keep only in the original container in a cool, well ventilated place away from : Incompatible materials: Reducing agents, flammable materials, Combustible materials. Keep container closed when not in use. Store in a well-ventilated place.
- Incompatible materials : Flammable or combustible materials. reducing materials. strong acids.

7.3. Specific end use(s)

Fertilizers.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

No additional information available

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

Additional information : There exist no exposure limits for this material

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station. Effective contaminant extraction. Training staff on good practice. Management/supervision in place to check that RMMs on place are being used correctly and OCs followed.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

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Hand protection:

Protective gloves

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Do not allow to enter drains or water courses.

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	: Not applicable
pH	: No data available
Relative evaporation rate (butylacetate=1)	: Not applicable
Melting point	: No data available
Freezing point	: Not applicable
Boiling point	: No data available
Flash point	: Not applicable
Auto-ignition temperature	: Not applicable
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable.
Vapour pressure	: Not applicable
Vapour pressure at 50 °C	: Not applicable
Relative vapour density at 20 °C	: Not applicable
Relative density	: Not applicable
Solubility	: Soluble in water.
Partition coefficient n-octanol/water (Log Pow)	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not applicable
Explosive properties	: Not explosive.
Oxidising properties	: Oxidizer. Test O.1 Test for oxidizing solids.
Explosive limits	: Not applicable

9.2. Other information

Additional information : None

SECTION 10: Stability and reactivity

10.1. Reactivity

May cause or intensify fire; oxidiser.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

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10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

Combustible materials. flammable materials. Reducing agents. strong acids.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced. thermal decomposition may produce : Nitrites. Phosphorus oxides. Potassium oxides. Nitrogen oxides.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Potassium Sulfate (7778-80-5)

LD50 oral rat	> 2000 mg/kg bodyweight (OECD 425 method)
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402 method) / EU B.3
LC50 Inhalation - Rat	> 1.2 mg/l/4h

Tetrapotassium Pyrophosphate (7320-34-5)

LD50 oral rat	> 2000 mg/kg bodyweight
LD50 dermal rabbit	> 7940 mg/kg bodyweight
LC50 Inhalation - Rat	> 1.1 mg/l
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye damage.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

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IARC group	Not listed
Reproductive toxicity	: Not classified

Potassium Sulfate (7778-80-5)

NOAEL (animal/male, F0/P)	≥ 1500 mg/kg bodyweight (OECD 422 method)
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified

Potassium Sulfate (7778-80-5)

NOAEL (subacute, oral, animal/male, 28 days)	≥ 1500 mg/kg bodyweight (OECD 422 method)
Aspiration hazard	: Not classified

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Viscosity, kinematic	Not applicable
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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.
Ecology - water	: The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.
Hazardous to the aquatic environment, short-term (acute)	: Not classified
Hazardous to the aquatic environment, long-term (chronic)	: Not classified

Potassium Sulfate (7778-80-5)

LC50 - Fish [1]	680 mg/l (EPA 600/4-90/027, Pimephales promelas)
EC50 - Crustacea [1]	720 mg/l EPA 600/4-90/027
EC50 96h - Algae [1]	> 100 mg/l

Tetrapotassium Pyrophosphate (7320-34-5)

LC50 - Fish [1]	> 100 mg/l
EC50 - Crustacea [1]	> 100 mg/l
EC50 72h - Algae [1]	> 100 mg/l

12.2. Persistence and degradability

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Persistence and degradability	Contains no substances known to be hazardous to the environment.
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Potassium Sulfate (7778-80-5)

Persistence and degradability	Not applicable.
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Tetrapotassium Pyrophosphate (7320-34-5)

Persistence and degradability	readily degradable in water.
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12.3. Bioaccumulative potential

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Bioaccumulative potential	Low bioaccumulation potential.
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Potassium Sulfate (7778-80-5)

Partition coefficient n-octanol/water (Log Pow)	Not applicable
Partition coefficient n-octanol/water (Log Kow)	Not applicable
Bioaccumulative potential	Low bioaccumulation potential.

Tetrapotassium Pyrophosphate (7320-34-5)

Bioaccumulative potential	Based on the n-octanol/water partition coefficient accumulation in organisms is not expected.
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12.4. Mobility in soil

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Ecology - soil	Expected to be highly mobile in soil.
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Potassium Sulfate (7778-80-5)

Ecology - soil Soluble in water. Expected to be highly mobile in soil.

Tetrapotassium Pyrophosphate (7320-34-5)

Organic Carbon Normalized Adsorption Coefficient (Log Koc) 2.17

Ecology - soil Not applicable.

12.5. Results of PBT and vPvB assessment

Component

Potassium Sulfate (7778-80-5) 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

Tetrapotassium Pyrophosphate (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

Other adverse effects : May cause eutrophication at very low concentration.






SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste) : Dispose in a safe manner in accordance with local/national regulations.
Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
Additional information : Do not allow into drains or water courses. Do not allow material to contaminate surface water system.

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
UN 1486	UN 1486	UN 1486	UN 1486	UN 1486
14.2. UN proper shipping name				
POTASSIUM NITRATE (MIXTURE)	POTASSIUM NITRATE (MIXTURE)	Potassium nitrate (MIXTURE)	POTASSIUM NITRATE (MIXTURE)	POTASSIUM NITRATE (MIXTURE)
14.3. Transport hazard class(es)				
5.1	5.1	5.1	5.1	5.1
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment: No	Dangerous for the environment: No Marine pollutant: No	Dangerous for the environment: No	Dangerous for the environment: No	Dangerous for the environment: No

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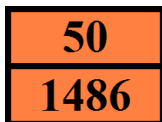
According to Regulation (EU) 2015/830, 2020/878 (REACH Annex II)

ADR	IMDG	IATA	ADN	RID
No supplementary information available				

14.6. Special precautions for user

Overland transport

Classification code (ADR) : O2
Orange plates :



Transport by sea

Special provisions (IMDG) : 964, 967
IBC special provisions (IMDG) : B3

Air transport

No data available

Inland waterway transport

Classification code (ADN) : O2

Rail transport

No data available

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

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

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

ANNEX II REPORTABLE EXPLOSIVES PRECURSORS

List of substances on their own or in mixtures or in substances for which suspicious transactions and significant disappearances and thefts are to be reported to the relevant national contact point within 24 hours.

Name	CAS-No.	Combined Nomenclature code (CN)	Combined Nomenclature code for mixture without constituents which would determine classification under another CN code
Potassium nitrate	7757-79-1	2834 21 00	ex 3824 99 96

Please see https://ec.europa.eu/home-affairs/system/files/2021-11/list_of_competent_authorities_and_national_contact_points_en.pdf

Other information, restriction and prohibition regulations : Regulated, according to Regulation (EC) No. 2019/1148 (Explosive Precursors).

15.1.2. National regulations

Netherlands

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

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

SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed

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SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed

SZW-lijst van reprotoxische 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 Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
H272	May intensify fire; oxidiser.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
Ox. Sol. 3	Oxidising Solids, Category 3
Skin Corr. 1C	Skin corrosion/irritation, Category 1, Sub-Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2

Safety Data Sheet (SDS), EU

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