

SAFETY DATA SHEET according to Regulation 1907/2006

Product name: **PLANTELLA TABS for orchids**

Creation date: **30.10.2014**

Revision: **13.1.2015**

Version: 1



UNICHEM d.o.o., Sinja Gorica 2, 1360 Vrhnika, Slovenia
tel.: +386 1 7558 150, fax: +386 1 7558 155
unicchem@unicchem.si, www.unicchem.si

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION

Product name:

PLANTELLA TABS for orchids

1.2. USE OF THE SUBSTANCE/PREPARATION

Use:

Fertilizer in form of effervescent tablets

Uses advised against:

No information

1.3. COMPANY/UNDERTAKING IDENTIFICATION

Manufacturer

UNICHEM D.O.O.
Sinja Gorica 2, 1360 Vrhnika, Slovenia
Tel: +386 1 755 81 50
Fax: +386 1 755 81 55
www.unicchem.si

1.4. EMERGENCY TELEPHONE

Emergency:

112

Supplier:

+386 1 755 81 50

SECTION 2. HAZARDS IDENTIFICATION

2.1 Classification of substance/preparation

Classification according to Reg. 1272/2008

Eye Irrit. 2; H319 Causes serious eye irritation.

Classification according to directive 67/548/EEC or. 99/45/EC

According to the regulation, the chemical is not classified as dangerous. Safety data sheet available for professional user on request.

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2.2 Label elements

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



Signal word: **Warning**

H319 Causes serious eye irritation.

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P264 Wash hands thoroughly after handling.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

2.2.2. Contains:

-

2.2.3. Special provisions

Special hazards are not known or expected.

2.3. Other hazards

No information

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Product description

NPK FERTILIZER: N:P2O5:K2O = 5 – 12 – 6 + 0,015% Cu (COPPER), 0,12% Fe (IRON), Mn (MANGAN) 0,06%, Mo (MOLIBDEN) 0,01%

3.1. Substances

For mixtures see 3.2.

3.2. Mixtures

Chemical name	CAS EC Index	%	Classification according to Regulation (EC) No 1272/2008 [CLP]	Classification according to directive 67/548/EEC or 99/45/EC	REACH reg. number
NPK fertilizer	- - -	<40	not classified	not classified	-
Sodium hydrogencarbonate	144-55-8 205-633-8 -	<30	not classified	not classified	-
Citric acid	77-92-9 201-069-1 -	<20	Eye Irrit. 2; H319	Xi; R36	-

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SECTION 4. FIRST AID MEASURES

4.1. First-aid measures

General measures:

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

Skin contact:

Take off all contaminated clothing. Wash thoroughly with plenty of water and soap! If feeling unwell seek medical help.

Eye contact:

Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. If irritation persist, seek professional medical attention.

Inhalation:

Remove patient to fresh air-move out of dangerous area. If symptoms persist seek medical attention.

Ingestion:

Do not induce vomiting. Rinse mouth with water. Drink water or milk. In case of doubt or if feeling unwell seek medical help.

4.2. Symptoms

Skin contact:

-

Eye contact:

Contact with eyes can cause irritation.

Inhalation:

-

Ingestion:

May cause nausea/vomiting and diarrhea.

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

-

SECTION 5. FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media

Foam.
Chemical powder.
Sand.

Unsuitable extinguishing media

Full water jet.



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5.2. Special hazards arising from the substance or mixture

Hazardous combustion products

In case of heating harmful vapours/gases can be generated. In the event of fire the following is released: nitrogen oxides (NO_x).
Ammonia.

5.3. Advice for firefighters

Protective actions

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Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective clothing for fire-fighters (including helmets, protective boots and gloves) (EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (EN 137) .

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment

Use personal protective equipment (Section 8).

Emergency procedures

Ensure adequate ventilation. Evacuate personnel to safe areas.

6.1.2. For emergency responders

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6.2. Environmental precautions

If accidental entry into water or ground occurs, inform responsible authorities.

6.3. Methods and material for containment and cleaning up

6.3.1. For containment

-

6.3.2. For cleaning up

Pick up mechanically and remove it in accordance with regulation. Do not mix with sawdust or other combustible material.

6.3.3. Other information

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6.4. Reference to other sections

See also sections 8 and 13.

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SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

7.1.1. Protective measures

Measures to prevent fire

Ensure adequate ventilation.

Measures to prevent aerosol and dust generation

Prevent dusting.

Measures to protect the environment

-

7.1.2. Advice on general occupational hygiene

Use good personal hygiene practices-wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Do not breathe dust.

7.2. Conditions for safe storage, including any incompatibilities

7.2.1. Technical measures and storage conditions

Keep in cool and good ventilated area. Keep away from food, drink and animal feedingstuffs Avoid high temperatures. Keep away from acids and bases. Keep away from moisture and water. Do not store with combustible materials. Keep out of the reach of children. Protect from open fire, heat and direct sunlight. On farm, ensure that the products not stored near hay, straw, grain, diesel, oil etc

7.2.2. Packaging materials

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7.2.3. Requirements for storage rooms and vessels

-

7.2.4. Storage class

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7.2.5. Further information on storage conditions

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7.3. Specific end use(s)

Recommendations

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Industrial sector specific solutions

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uniche@uniche.si, www.uniche.si**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****8.1. Control parameters**8.1.1. Occupational Exposure limit values

No information

8.1.2. Information on monitoring procedures

BS EN 14042:2003 Title Identifier: Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents.

8.1.3. DNEL values

No information

8.1.4. PNEC values

No information

8.2. Exposure controls8.2.1. Appropriate engineering control**Substance/mixture related measures to prevent exposure during identified uses**

Use good personal hygiene practices-wash hands at breaks and when done working with material. Avoid contact with eyes and skin. Do not eat, drink or smoke while working.

Technical measures to prevent exposure

Provide good ventilation and local exhaust in the area with increased concentration.

8.2.2. Personal protective equipment**Eye and face protection**

At strong dust raising wear tightly sealed safety glasses. Tight fitting protective goggles (EN 166).

Hand protection

With excessive exposure wear protective gloves (EN 374).

Appropriate materials

Material	Thickness	Penetration Time	Remark
PVC	mm		

Skin protection

Cotton protective clothing (EN ISO 13688) and shoes that cover the entire foot (EN ISO 20345).

Respiratory protection

Not needed under normal use and adequate ventilation. In case of dust formation wear appropriate protective mask - mask with particle filter. Mask with dust filter (P2) or FFP2(EN 149).

Thermal hazards

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uniche@uniche.si, www.uniche.si8.2.3. Environmental exposure controls

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**9.1. General information**

-	Physical state:	solid
-	Colour:	violet
-	Odour:	characteristic

Important health, safety and environmental information

-	pH	No information
-	Melting point	No information
-	Boiling point/boiling range	No information
-	Flashpoint	No information
-	Evaporation rate	No information
-	Ignition temperature	No information
-	Explosion limits (vol%)	No information
-	Vapour pressure	No information
-	Vapour density	No information
-	Density	No information
-	Solubility	Water: Soluble
-	Partition coefficient n-octanol/water (log Kow)	No information
-	Auto-ignition temperature	No information
-	Decomposition temperature	No information
-	Viscosity	No information
-	Explosive properties	No information
-	Oxidising properties	No information

9.2. Other information

-	Remarks:	
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SECTION 10. STABILITY AND REACTIVITY**10.1. Reactivity**

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10.2. Chemical stability

Product is stable under normal conditions according to handling and storage.



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Heating in tubes or drains may lead to a violent reaction.

10.4. Conditions to avoid

No special precautions required. Consider the directions for use and storage. Does not decompose if used and stored as instructed. Avoid heating.

10.5. Incompatible materials

Flammable substances Reducing agents.
Acids. Bases. Powdered metals.

10.6. Hazardous decomposition products

At high temperature vapours dangerous for health are released.

SECTION 11. TOXICOLOGICAL INFORMATION**11.1. Information on toxicological effects****11.1.1. Acute toxicity**

No information

11.1.2. Skin corrosion/irritation, serious eye damage/irritation, aspiration hazard

No information

11.1.3. Respiratory or skin sensitisation

No information

11.1.4. Carcinogenicity, Mutagenicity, Reproductive toxicity**Carcinogenicity**

No information

(Germ cell) mutagenicity

No information

Reproductive toxicity

No information

Summary of evaluation of the CMR properties

No information

11.1.5. STOT-single and repeated exposure

No information

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SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

12.1.1. Acute (short-term) toxicity

No information

12.1.2. Chronic (long-term) toxicity

No information

12.2. Persistence and degradability

12.2.1. Abiotic degradation, physical- and photo-chemical elimination

No information

12.2.2. Biodegradation

No information

12.3. Bioaccumulative potential

12.3.1. Partition coefficient n-octanol/water (log Kow)

No information

12.3.2. Bioconcentration factor (BCF)

No information

12.4. Mobility

12.4.1. Known or predicted distribution to environmental compartments

No information

12.4.2. Surface tension

No information

12.4.3. Adsorption/Desorption

No information

12.5. Results of PBT and vPvB assessment

No evaluation.

12.6. Other adverse effects

No information

12.7. Additional information

For product

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

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SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

13.1.1. Product / Packaging disposal

Waste chemical

Disposal must be made according to official regulations: to leave it to authorized collector/remover/transformer of hazardous waste.

Packaging

Completely emptied container dispose according to regulations.

13.1.2. Waste treatment-relevant information

-

13.1.3. Sewage disposal-relevant information

-

13.1.4. Other disposal recommendations

-

SECTION 14. TRANSPORT INFORMATION

14.1. UN number

-

14.2. UN proper shipping name

Not dangerous according to ADR.

14.3. Transport hazard class(es)

-

14.4. Packing group

-

14.5. Environmental hazards

NO

14.6. Special precautions for user

-

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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SECTION 15. REGULATORY INFORMATION

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

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
- Dangerous preparations directive (99/45/EC) as amended
- Dangerous substances directive (67/548/EEC) as amended

15.1.1. Information according 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline)

not applicable

15.2. Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

SECTION 16. OTHER INFORMATION

Indication of changes

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Key literature references and sources for data

MSDS, PLANTELLA TABS for orchids, UNICHEM d.o.o, date: 20.2.2010

List of relevant R phrases

R36 Irritating to eyes.

List of relevant H phrases

H319 Causes serious eye irritation.

The information of this SDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.