

# Material Safety Data Sheet

According to 1907/2006/EC regulation

Date of revision: 02.07.2015

Version: 2

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

### 1.1. Product identifier: Water&Soil Water Retainer Concentrate

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

soil conditioning product suitable: enhancing water balance of soils and growing media

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

Manufacturer/Supplier: Water&Soil Ltd.  
Address: 1027 Budapest, Liphay u. 9.  
Phone/fax: +36 1 315 1125  
e-mail: richard.vattay@waterandsoil.eu

### 1.4. Emergency telephone number

Health Toxicological Information Service - Budapest  
(36) 06/80/201-199

## 2. SECTION: Hazards identification

### 2.1. Classification of the substance or mixture

This mixture is not classified as dangerous substance under regulation no 1272/2008/EC.

### 2.2. Label elements

P102 Keep out of reach of children.  
P405 Store locked up.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.

### 2.3. Other hazards

The product is not flammable.

## 3. SECTION: Composition / information on ingredients

### 3.1. Substances

3.2. Mixtures: Food byproduct of plant origin having high organic material content, does not contain hazardous substances

## 4. SECTION: First aid measures

### 4.1. Description of first aid measures

Observe standard industrial hygiene practices for the handling of the product.

Following inhalation: Remove person to fresh air.

Following skin contact: Wash thoroughly using copious amounts of water. Remove contaminated clothing.

Following eye contact: Flush with large amounts of running water.

Following ingestion: Following ingestion drink water.

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

On the basis of information available it does not cause acute or delayed effects and symptoms.

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

On the basis of information available immediate or special medical attention is not required.

## 5. SECTION: Firefighting measures

5.1. Extinguishing media The product is inflammable. Flammability class "E"

Suitable extinguishing media: Carbon dioxide, extinguishing powder and water spray. Firefighting measures should be adopted to the environment.

Unsuitable extinguishing media: not known

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

No information available for the mixture itself

### 5.3. Advice for firefighters

No special measures required.

## 6. SECTION: Accidental release measures

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

Observe standard industrial hygiene practices for the handling of chemical substances.

### 6.2. Environmental precautions

Do not allow the material, its unused leftovers, packages contaminated with it to enter rivers, lakes, streams or

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reservoirs. For the protection of aquatic organisms and ensuring water quality, do not store and apply the product within 50 meters from lake and river banks.

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

Absorb with sand or other non-combustible material. The material supplied should be handled in accordance with the section "Waste disposal".

**6.4. Reference to other sections** See section 7 and 8 for information on precautions.

## 7. SECTION: Handling and storage

### 7.1. Precautions for safe handling

#### Protective measures

Keep locked up. For every work process it is recommended to avoid the contact with eyes, skin or possible ingestion. Wash hands thoroughly after finish working. Interrupt working in any case of poisoning or suspected poisoning. Each working steps should be organized to minimize every kind of exposition.

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

#### Requirements for storage rooms and vessels

Keep in a dry, covered and cool place. Protect from frost.

**7.3. Specific end use(s)** Technical measures and the application of adequate working procedures have priority over the use of personal protective equipment.

## 8. SECTION: Exposure controls/ personal protection

### 8.1. Control parameters

In Hungary, according to the Regulation of 25/2000. (IX.30.) EüM exposure limits are not determined for the components of this product.

### 8.2. Exposure controls

#### Health measures

Remove contaminated clothing. Wash hands before breaks and after working. When using do not eat or drink

**Respiratory protection** Protective mask with P1 filter.

**Hand protection:** Wear suitable protecting gloves.

**Eye protection:** Tightly closed safety goggles.

**Skin protection:** For preventing exposition to skin, besides the usual working clothes the body protection is recommended.

## 9. SECTION: Physical and chemical properties

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

Appearance:	liquid
Colour:	brown
Odour:	characteristic
pH (in 10 % aqueous suspension):	7.00 ± 0.5
Melting point (°C):	no information available for the mixture itself
Boiling point (°C):	no information available for the mixture itself
Flash point:	no information available for the mixture itself
Evaporation rate:	no information available for the mixture itself
Flammability:	not flammable
Burning temperature:	no information available for the mixture itself
Lower explosive limit:	no information available for the mixture itself
Upper explosive limit:	no information available for the mixture itself
Vapour pressure (20°C):	no information available for the mixture itself
Vapour density:	no information available for the mixture itself
Density(20°C):	1.32 kg/dm <sup>3</sup>
Solubility in water:	soluble
Partition coefficient: n-octanol/water:	no information available for the mixture itself
Auto-ignition temperature:	no information available for the mixture itself
Decomposition temperature:	no information available for the mixture itself
Dynamic viscosity:	no information available for the mixture itself
Explosive properties:	not explosive
Oxidizing properties:	Does not support combustion

### 9.2. Other information:

Dry material content: 70.0 m/m%

## 10. SECTION: Stability and Reactivity

**10.1. Reactivity:** No information available

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- 10.2. Chemical stability** Under storage at normal ambient temperatures the product is stable.  
**10.3. Possibility of hazardous reactions** No hazardous reaction when handled and stored according to provisions.  
**10.4. Conditions to avoid:** Protect from heat, direct sunlight and frost. Keep away from heat.  
**10.5. Incompatible materials** Strong oxidizing agent. Strong acids, bases.  
**10.6. Hazardous decomposition products** No known hazardous decomposition products

## 11. SECTION: Toxicological information

### 11.1. Information on toxicological effects

No information available for the mixture itself

## 12. SECTION: Ecological information

**12.1. Toxicity:** No information available for the mixture itself

**12.2. Persistence and degradability** No information available for the mixture itself

**12.3. Bioaccumulative potential** No information available for the mixture itself

**12.4. Mobility in soil:** No information available for the mixture itself

**12.5. Results of PBT and vPvB assessment:** No information available for the mixture itself

**12.6. Other adverse effects:** No information available for the mixture itself

**Other information:** The product was classified according to the calculation procedure of the Dangerous Preparations Directive (1999/45/EC).

## 13. SECTION: Disposal considerations

### 13.1. Waste treatment methods

Product disposal: considered as non hazardous waste.

Contaminated packaging: keep tightly closed. Dispose in accordance with federal, state and local requirements.

Residue wastes and packaging waste items shall be collected in compliance with the legal regulations on wastes and recorded in accordance with the waste accounting obligation.

## 14. SECTION: Transport Information

The product was not classified to be a dangerous good for any mode of transport.

**14.1. UN number:** -

**14.2. UN proper shipping name:** -

**14.3. Transport hazard class(es):** -

**14.4. Packing group:** -

**14.5. Environmental hazards:** -

**14.6. Special precautions for user:** -

**14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** -

## 15. SECTION: Regulatory Information

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

#### Relevant regulations:

Act No. XXV of 2000 on chemical safety

Decree No. 25/2000 (IX.30.) EüM of the Ministry of Health on chemical safety at work

Act CLXXXV 2012 on Waste

Decree No. 72/2013. (VIII. 27.) VM on Waste List

Government Decree No. 164/2003 (X. 18.), on the obligation of keeping the registry of and supplying data on waste

EC Regulation 1907/2006 (REACH) on the Registration, Evaluation, Authorisation and restriction of Chemicals

EC Regulation 2015/830 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

EC Regulation 1272/2008 on classification, labeling and packaging of substances and mixtures.

EC Regulation 790/2009 amending, for the purposes of its adaptation to technical and scientific progress, EC Regulation 1272/2008.

EC Regulation 618/2012 amending, for the purposes of its adaptation to technical and scientific progress, EC Regulation 1272/2008.

**15.2 Chemical Safety Assessment** not available

## 16. SECTION: Other information

**Abbreviations and acronyms:** -

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## Legend

\* = an amendment to the previous version.

**Added, deleted and revised information concerning revised data sheet:** The review has taken place due to changes in legislation.

**Text for R-numbers and H-codes listed in the table of section 3: -**