



Safety Data Sheet

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Version: 1

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name: H2Pro Dew Smart
Product Code 03120199DA

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

Recommended Use: Fertilizer
Restricted to professional users
Uses Advised Against: Consumer use.

1.3. Details of the supplier of the safety data sheet

Manufacturer

Everris International BV
Nijverheidsweg 1-5; 6422 PD Heerlen (NL)
Tel: +31 (0) 45-5609100; Fax: +31 (0) 45-5609190

For further information, please contact

INFO-MSDS@EVERRIS.COM

1.4. Emergency telephone number

IN CASE OF AN EMERGENCY CALL: +44 1235 239 670 (24h)

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Mixture

Regulation (EC) No 1272/2008

| | |
|---|---------------------|
| Serious Eye Damage or Eye Irritation | Category 1 - (H318) |
|---|---------------------|

Classification according 67/548/EC and 88/379/EC or 1999/45/EC

The product is classified and labelled in accordance with Directive 1999/45/EC.



R-code(s)

Xi;R41

Full text of R-phrases: see section 16

2.2. Label elements

Product Identifier:**Signal Word:**

Danger

Hazard Statements:

H318 - Causes serious eye damage

Contains Alcohols, C12-15, branched and linear, ethoxylated, Dodecylbenzenesulphonic acid, compound with isopropylamine (1:1)

Precautionary Statements - EU (§28, 1272/2008)

P280 - Wear eye protection/ face protection

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

P310 - Immediately call a POISON CENTER or doctor/physician

Other hazards (UN-GHS)

Causes mild skin irritation. Toxic to aquatic life.

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

| Ingredients | EC-No. | CAS-No | Weight % | Classification according to 67/548/EEC | Classification according to Regulation (EC) No. 1272/2008 [CLP] | REACH registration number |
|--|-----------|-------------|----------|--|--|---------------------------|
| Fatty acids, tall-oil | 263-107-3 | 61790-12-3 | 10 - 25% | Xi;R36 | Eye Irrit. 2 (H319) | no data available |
| Alcohols, C12-15, branched and linear, ethoxylated | 500-294-5 | 106232-83-1 | 10 - 25% | N;R50 Xi;R41 Xn;R22 | Eye Dam. 1 (H318) Acute Tox. 4 (H302) Aquatic Acute 1 (H400) | no data available |
| Dodecylbenzenesulphonic acid, compound with isopropylamine (1:1) | 247-556-2 | 26264-05-1 | 5 - 10% | Xi;R38-41 Xn;R22 | Skin Irrit. 2 (H315) Eye Dam. 1 (H318) Acute Tox. 4 (H302) | no data available |

Full text of R-phrases: see section 16**Full text of H- and EUH-phrases: see section 16**

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures**General Advice:**

First aid measures should be executed by trained personnel only.

Inhalation:

Move to fresh air. If not breathing, give artificial respiration. If symptoms persist, call a physician.

Skin Contact:

Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.

| | |
|------------------------------------|--|
| Eye Contact: | Rinse thoroughly with plenty of water, also under the eyelids. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. |
| Ingestion: | Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice. |
| Protection of First-Aiders: | Low hazard for usual industrial or commercial handling. |

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

Symptoms: None under normal processing

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

Notes to Physician: None under normal processing.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media:
powder.

Unsuitable extinguishing media:

Water. Water spray.

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

5.3. Advice for firefighters

Coordinate fire extinguishing measures to fire in surrounding area.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal Precautions: Ensure adequate ventilation. Wear personal protective equipment. Evacuate personnel to safe areas.

For Emergency Responders: Use personal protection recommended in Section 8.

6.2. Environmental precautions

Local authorities should be advised if significant spillages cannot be contained. Do not allow product to enter the environment uncontrolled.

6.3. Methods and material for containment and cleaning up

Methods for Containment: Prevent further leakage or spillage if safe to do so.

Methods for Cleanup: Bind with soil, sand, absorptive material.

6.4. Reference to other sections

§ 8, 12, 13.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

General hygiene considerations:

Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. When using, do not eat, drink or smoke.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures/storage conditions:

Keep containers tightly closed in a cool, well-ventilated place. Keep at temperatures between 0 °C and 40 °C.

LGK (Germany)
Packaging Materials:

Exempt
Store in original container.

7.3. Specific end use(s)

Specific use(s)

Fertilizer; Read and follow label instructions; www.everris.com

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Derived No Effect Level (DNEL)

No data available

Predicted No Effect Concentration (PNEC)

No data available.

8.2. Exposure controls

Engineering Measures to Reduce Exposure: Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

| | |
|---------------------------|---|
| Eye/Face Protection: | Tightly fitting safety goggles |
| Hand protection: | Chemical resistant gloves. |
| Respiratory Protection: | Respirator with combination filter for vapor/particulate. |
| Skin and Body Protection: | Lightweight protective clothing |
| Hygiene Measures: | Follow good housekeeping practices. When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. |

Environmental exposure controls Do not allow into any sewer, on the ground or into any body of water.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

| | |
|--------------------------------------|---|
| Physical State: | liquid |
| Color: | amber. |
| Odor: | characteristic |
| pH: | 4.5 |
| Melting Point/Freezing Point: | no data available |
| Boiling Point/Range: | not applicable |
| Flash Point: | > 60 °C |
| Evaporation Rate: | not applicable |
| Flammability (solid, gas): | Non-flammable |
| Vapor Pressure: | not applicable |
| Vapor Density: | not applicable |
| Specific Gravity: | no data available |
| Water Solubility: | Soluble in water |
| Solubility(ies) | miscible |
| Partition Coefficient: | no data available |
| Autoignition Temperature: | not applicable |
| Decomposition Temperature: | no data available |
| Explosive Properties: | Doesn't present explosion hazard. Based on data of ingredients. |

9.2. Other information

| | |
|----------------------|-----------------------------|
| Density: | 970 - 990 kg/m ³ |
| Bulk density: | no data available |

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

Not reactive.

10.2. Chemical stability

Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions**Hazardous Decomposition Products:**

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Possibility of Hazardous Reactions:

None under normal processing.

10.4. Conditions to avoid

For quality reasons: Keep out of reach of direct sunlight, store under dry conditions, partly used bags should be closed well.

10.5. Incompatible materials**10.6. Hazardous decomposition products**

None under normal processing.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects**Acute Toxicity****Product Information:****Inhalation:**

May cause irritation of respiratory tract.

Eye Contact:

Causes serious eye damage.

Skin Contact:

May cause irritation.

Ingestion:

Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Unknown Acute Toxicity:

0% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document:

ATEmix (oral): 886.00 mg/kg

Component Information:

| Ingredients | LD50 Oral | LD50 Dermal | LC50 Inhalation |
|-----------------------|----------------------|-------------|-----------------|
| Fatty acids, tall-oil | = 7600 mg/kg (Rat) | | |

Skin Corrosion or Irritation

See also section 3.

Serious Eye Damage or Eye Irritation

See also section 3.

Sensitization

See also section 3.

Mutagenic effects

See also section 3.

Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Reproductive Toxicity**Teratogenicity**

No data available.

STOT - Single Exposure

No known effects under normal use conditions.

STOT - Repeated Exposure

None under normal use conditions.

Aspiration Hazard

No data available.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Do not allow product to enter the environment uncontrolled.

0% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

| Ingredients | Algae/aquatic plants | Fish | Crustacea |
|-----------------------|--|------|-----------|
| Fatty acids, tall-oil | 1000: 72 h Pseudokirchneriella subcapitata mg/L EC50 | | |

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

| Ingredients | LOGPOW |
|-----------------------|-------------|
| Fatty acids, tall-oil | 4.89 - 5.98 |

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

No data available.

12.6. Other adverse effects

not applicable

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Disposal of Wastes:

Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging:

Do not re-use empty containers. Dispose of as unused product.

Other Information:

Use up product completely. Packaging material is industrial waste.

Section 14: TRANSPORT INFORMATION

IMO / IMDG

14.1

UN-No:

Not regulated

14.2

Proper shipping name:

Not regulated

14.3

Hazard Class:

Not regulated

14.4

Packing group:

Not regulated

14.5

Marine Pollutant:

Not regulated

14.6

Special Provisions

None

14.7

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not regulated

ADR/RID

14.1

UN-No:

Not regulated

14.2

Proper shipping name:

Not regulated

14.3

Hazard Class:

Not regulated

14.4

Packing group:

Not regulated

14.5

Environmental Hazard

Not regulated

14.6

Special Provisions

None

IATA

14.1

| | |
|---|---------------|
| UN-No: 14.2 | Not regulated |
| Proper shipping name: 14.3 | Not regulated |
| Hazard Class: 14.4 | Not regulated |
| Packing group: 14.5 | Not regulated |
| Environmental Hazard 14.6 | Not regulated |
| Special Provisions | None |

Section 15: REGULATORY INFORMATION

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

National regulations

France

ICPE (FR): Not regulated

Belgium

Germany

Gefahrstoffverordnung (Germany) TRGS 511 Not regulated

LGK (Germany) Exempt

Water Endangering Class (WGK): 1 (Everris classification)

| Component | German WGK Section |
|--|--------------------|
| Fatty acids, tall-oil 61790-12-3 (10 - 25%) | class 1 |

European Union

Take note of Directive 2000/39/EC establishing a first list of indicative occupational exposure limit values

15.2. Chemical safety assessment

Not required. Substance(s) usage is covered according to Reach regulation 1907/2006.

Section 16: OTHER INFORMATION

Text of R Phrases mentioned in Section 3

R36 - Irritating to eyes
R41 - Risk of serious damage to eyes
R22 - Harmful if swallowed
R50 - Very toxic to aquatic organisms
R38 - Irritating to skin

Full text of H-Statements referred to under sections 2 and 3

H318 - Causes serious eye damage
H302 - Harmful if swallowed
H400 - Very toxic to aquatic life
H315 - Causes skin irritation
H319 - Causes serious eye irritation

Key or legend to abbreviations and acronyms used in the safety data sheet

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail
ICAO: International Civil Aviation Organization
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonized System of Classification and Labeling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
PNEC: Predicted No Effect Concentration
DNEL: Derived No-Effect Level
Reach: Registration, Evaluation, authorization of Chemicals
CLP: EU-GHS; Classification, Labelling and Packaging
OEL: Occupational Exposure Limit
TWA: Time Weighted Average
ATE: Acute Toxicity Estimate
EUH statement: CLP (EU) specific hazard statement.

Classification procedure:

- Calculation method
- Expert judgment and weight of evidence determination

Key literature references and sources for data

According to EC Regulation 1907/2006 (Reach), Regulation EU No. 453/2010
Regulation (EC) No 1272/2008

Prepared by:

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This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

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End of Safety Data Sheet