

# Safety Data Sheet

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Version: 2.02

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

### 1.1. Product identifier

**Product Name:** H2FLO (wetting agent)  
**Product Code:** 03100320GA

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

**Recommended Use:** Wetting agent. Restricted to professional users.  
**Uses Advised Against:** Consumer use [SU 21].

### 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*

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [EU-GHS]

### 2.2. Label elements

231-791-2

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [EU-GHS]

**Signal Word:**

None

EUH210 - Safety data sheet available on request

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

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

P280 - Wear protective gloves/protective clothing/eye protection/face protection

## Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Substances

To present knowledge of the supplier, this product does not contain any hazardous ingredients in accordance to EU regulations or National regulations

Ingredients	EC-No.	CAS-No	Weight %	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number

ethylene oxide-propylene oxide copolymers	618-355-0	9003-11-6	40 - 65%	no data available	no data available
(2-methoxymethylethoxy)propanol	252-104-2	34590-94-8	1 - 5%	no data available	01-2119450011-60

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

## Section 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

<b>General Advice:</b>	First aid measures should be executed by trained personnel only.
<b>Inhalation:</b>	Move to fresh air. If not breathing, give artificial respiration. If symptoms persist, call a physician.
<b>Skin Contact:</b>	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.
<b>Eye Contact:</b>	Rinse thoroughly with plenty of water, also under the eyelids. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. If eye irritation persists, consult a specialist.
<b>Ingestion:</b>	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.
<b>Protection of First-Aiders:</b>	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:**

Coordinate fire extinguishing measures to fire in surrounding area. Use dry chemical, CO<sub>2</sub>, water spray or "alcohol" foam.

**Unsuitable extinguishing media:**

High volume water jet.

### 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

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:**

Take up mechanically and collect in suitable container for disposal. If material is uncontaminated, collect and reuse as recommended for product.

**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 container tightly closed in a dry and well-ventilated place. For quality reasons: Keep out of reach of direct sunlight, store under dry conditions, partly used bags should be closed well.

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***(2-methoxymethylethoxy)propanol*

European Union	S* TWA 50 ppm TWA 308 mg/m <sup>3</sup>
Austria	Skin STEL 100 ppm STEL 614 mg/m <sup>3</sup> TWA: 50 ppm TWA: 307 mg/m <sup>3</sup>
Australia TWA	50 ppm TWA 308 mg/m <sup>3</sup> TWA
Belgium - 8 Hr TWA	50 ppm TWA 308 mg/m <sup>3</sup> TWA
Bulgaria - Occupational Exposure Limits - TWAs	50 ppm TWA; 308.0 mg/m <sup>3</sup> TWA
Czech Republic OEL	270 mg/m <sup>3</sup> TWA
Denmark	TWA: 50 ppm TWA: 309 mg/m <sup>3</sup> Skin
Finland	TWA: 50 ppm TWA: 310 mg/m <sup>3</sup> Skin
France - Occupational Exposure Limits - 8 Hour VMEs	TWA: 50 ppm TWA: 308 mg/m <sup>3</sup>
greece OEL 15 minute	150 ppm STEL 900 mg/m <sup>3</sup> STEL
Hungary - Occupational Exposure Limits - TWAs	308 mg/m <sup>3</sup> TWA
Iceland - OEL - 8 Hour	50 ppm TWA 300 mg/m <sup>3</sup> TWA
Indonesia - Occupational Exposure Limits - STELs (PSDs)	150 ppm STEL; 909 mg/m <sup>3</sup> STEL
Italy OEL Data - Time Weighted Average (TWA):	TWA: 50 ppm TWA: 308 mg/m <sup>3</sup> Skin
Ireland	TWA: 50 ppm TWA: 308 mg/m <sup>3</sup> STEL: 150 ppm STEL: 924 mg/m <sup>3</sup> Skin
Korea - ISHA - Occupational Exposure Limits - TWAs	100 ppm TWA (Serial No. 136); 600 mg/m <sup>3</sup> TWA (Serial No. 136)

Latvia - Occupational Exposure Limits - TWAs	50 ppm TWA; 308 mg/m <sup>3</sup> TWA
Malaysia - Occupational Exposure Limits - TWAs	100 ppm TWA; 606 mg/m <sup>3</sup> TWA
Netherlands National MAC Data - Time Weighted Average (TWA):	TWA: 300 mg/m <sup>3</sup>
Norway	TWA: 50 ppm TWA: 300 mg/m <sup>3</sup> Skin STEL: 50 ppm STEL: 300 mg/m <sup>3</sup>
Poland	STEL: 480 mg/m <sup>3</sup> TWA: 240 mg/m <sup>3</sup>
Portugal	STEL: 150 ppm TWA: 50 ppm TWA: 308 mg/m <sup>3</sup>
Romania - Occupational Exposure Limits - TWAs	50 ppm TWA; 308 mg/m <sup>3</sup> TWA
Slovenia - Occupational Exposure Limits - TWAs	50 ppm TWA; 308 mg/m <sup>3</sup> TWA
Spain OEL - Time Weighted Average (TWA):	S* TWA: 50 ppm TWA: 308 mg/m <sup>3</sup>
Switzerland	STEL: 50 ppm STEL: 300 mg/m <sup>3</sup> TWA: 50 ppm TWA: 300 mg/m <sup>3</sup>
UK oes/mel:	STEL: 150 ppm STEL: 924 mg/m <sup>3</sup> TWA: 50 ppm TWA: 308 mg/m <sup>3</sup> Skin

**Predicted No Effect Concentration (PNEC)** No information available.

## 8.2. Exposure controls

### Personal protective equipment

**Eye/face Protection** No special protective equipment required.

**Skin and body protection** No special protective equipment required.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

**Environmental exposure controls** Local authorities should be advised if significant spillages cannot be contained. 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

<b>Physical State:</b>	liquid
<b>Appearance:</b>	liquid
<b>Color:</b>	amber.
<b>Odor:</b>	Not significant
<b>Bulk density:</b>	no data available
<b>pH:</b>	no data available
<b>Melting Point/Freezing Point:</b>	no data available
<b>Boiling Point/Range:</b>	Solid, Not Applicable
<b>Flash Point:</b>	Solid, Not Applicable
<b>Evaporation Rate:</b>	Solid, Not Applicable
<b>Flammability (solid, gas):</b>	Non-flammable
<b>Vapor Pressure:</b>	Solid, Not Applicable
<b>Vapor Density:</b>	Solid, Not Applicable
<b>Specific Gravity:</b>	no data available

<b>Water Solubility:</b>	Soluble in water
<b>Solubility(ies)</b>	no data available
<b>Partition Coefficient:</b>	Solid, Not Applicable
<b>Autoignition Temperature:</b>	Not Applicable
<b>Decomposition Temperature:</b>	no data available
<b>Explosive Properties:</b>	Doesn't present explosion hazard. Based on data of ingredients.

**9.2. Other information**

Not applicable

**Section 10: STABILITY AND REACTIVITY****10.1. Reactivity**

Not reactive.

**10.2. Chemical stability**

Stable under normal conditions.

**10.3. Possibility of hazardous reactions****Possibility of hazardous reactions**

None under normal processing.

**Hazardous Decomposition Products:**

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

**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**

None known based on information supplied.

**10.6. Hazardous decomposition products**

None under normal processing.

**Section 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects****Information on the Likely Routes of Exposure (inhalation, ingestion, skin and eye contact):****Product Information**

<b>Inhalation</b>	May cause irritation of respiratory tract.
<b>Eye contact</b>	May cause irritation.
<b>Skin Contact</b>	May cause irritation.
<b>Ingestion</b>	Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

**Information on Toxicological Effects:****Symptoms** No information available.**Acute Toxicity****Unknown Acute Toxicity:** 0% of the mixture consists of ingredient(s) of unknown toxicity.

Ingredients	LD50 Oral	LD50 Dermal	LC50 Inhalation
ethylene oxide-propylene oxide	= 5700 mg/kg ( Rat ) = 16 g/kg		= 320 mg/m <sup>3</sup> ( Rat ) 4 h

copolymers	( Rat )		
(2-methoxymethylethoxy)propanol	= 5400 µL/kg ( Rat )	= 9500 mg/kg ( Rabbit )	

**Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure:**

<b>skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Respiratory or skin sensitization</b>	No information available.
<b>Germ Cell Mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive Toxicity</b>	No information available.
<b>STOT - Single Exposure</b>	No information available.
<b>STOT - Repeated Exposure</b>	No information available.
<b>Aspiration Hazard</b>	No information available.

## Section 12: ECOLOGICAL INFORMATION

### 12.1. Toxicity

**Ecotoxicity** Do not allow product to enter the environment uncontrolled.

**Unknown Aquatic Toxicity:** 0% of the mixture consists of components(s) of unknown hazards to the aquatic environment.

Ingredients	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
(2-methoxymethylethoxy)propanol	-	10000: 96 h Pimephales promelas mg/L LC50 static	-	1919: 48 h Daphnia magna mg/L LC50

### 12.2. Persistence and degradability

**Persistence and Degradability:** No information available.

### 12.3. Bioaccumulative potential

**Bioaccumulation:** No information available.

Ingredients	LOGPOW
(2-methoxymethylethoxy)propanol	-0.064

### 12.4. Mobility in soil

**Mobility in soil** No information available.

### 12.5. Results of PBT and vPvB assessment

**PBT and vPvB assessment** No information available.

### 12.6. Other adverse effects

**Mobility:** No information available.

### 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:**

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

## Section 15: REGULATORY INFORMATION

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

#### Belgium

#### Denmark

Danish Sikkerhedsgruppe

No data available

#### France

ICPE

Not regulated

#### Germany

LGK (Germany)

Exempt

Water Endangering Class (WGK):

1 (Everris classification)

Gefahrstoffverordnung (Germany) TRGS 511

Not regulated

Component	German WGK Section
ethylene oxide-propylene oxide copolymers 9003-11-6 ( 40 - 65% )	class 1
(2-methoxymethylethoxy)propanol 34590-94-8 ( 1 - 5% )	class 1

#### European Union

#### REACH:

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

#### **Authorizations and/or restrictions on use:**

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

#### **Persistent Organic Pollutants**

Not Applicable

**Ozone-depleting substances (ODS) regulation (EC) 1005/2009** Not Applicable

### 15.2 Chemical safety assessment

#### **Chemical Safety Report**

Substance(s) usage is covered according to Reach regulation 1907/2006

## Section 16: OTHER INFORMATION

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

None

#### **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. 2015/830  
Regulation (EC) No 1272/2008

**Prepared by:**

Regulatory Affairs Department (INFO-MSDS@EVERRIS.COM)

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## Reason for revision

\*\*\* Indicates changes since the last revision. This version replaces all previous versions

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

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