



CHRISTEYNS

SAFETY DATA SHEET Christeyns HW Emulsifier

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

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

1.1. Product identifier

Product name	Christeyns HW Emulsifier
Product number	0661/21295
UFI	UFI: 4RT1-E0WT-300H-NA99

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

Identified uses	Detergent. Cleaning agent.
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1.3. Details of the supplier of the safety data sheet

Supplier	Christeyns UK Ltd Rutland Street, Bradford, West Yorkshire. BD4 7EA Tel: 01274 393286 Fax: 01274 309143 info@christeyns.co.uk
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1.4. Emergency telephone number

Emergency telephone	Tel; 01274 393286, Fax; 01274 309143 (8.30am-5pm Monday to Friday)
National emergency telephone number	NHS Direct 111 (GB) National Poisons Information Service Tel: +44 344 892 0111 (UK) - Medical Professionals Only National Poisons Information Centre Tel: +353 (01) 809 2566 (Ireland) - Healthcare Professionals only (24 hour service)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards	Not Classified
Health hazards	Eye Dam. 1 - H318
Environmental hazards	Aquatic Chronic 3 - H412

2.2. Label elements

Hazard pictograms



Signal word	Danger
Hazard statements	H318 Causes serious eye damage. H412 Harmful to aquatic life with long lasting effects.

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Precautionary statements

P273 Avoid release to the environment.
 P280 Wear protective gloves/ protective clothing/ 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/ doctor.
 P501 Dispose of contents/ container in accordance with national regulations.

Contains

Alcohols, C13-15, branched and linear, ethoxylated

Detergent labelling

≥ 30% non-ionic surfactants, < 5% aliphatic hydrocarbons, < 5% optical brighteners

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

PEG-5 C13 Oxo Alcohol			50-80%
CAS number: 69011-36-5			
Classification Eye Irrit. 2 - H319 Aquatic Chronic 3 - H412			
Alcohols, C13-15, branched and linear, ethoxylated			10-15%
CAS number: 157627-86-6 EC number: 931-954-4			
Classification Acute Tox. 4 - H302 Eye Dam. 1 - H318 Aquatic Chronic 3 - H412			
Ethoxylated (2-5 EO) Alcohol (C10-C15)			10-15%
CAS number: 157627-86-6 EC number: 931-662-7			
M factor (Acute) = 1			
Classification Eye Irrit. 2 - H319 Aquatic Acute 1 - H400 Aquatic Chronic 3 - H412			
ETHANOL			3-5%
CAS number: 64-17-5 EC number: 200-578-6			
REACH registration number: 01-2119457610-43-XXXX			
Classification Flam. Liq. 2 - H225			
MONOPROPYLENE GLYCOL			1-3%
CAS number: 57-55-6 EC number: 200-338-0			
REACH registration number: 01-2119456809-23-XXXX			
Classification Not Classified			

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METHANOL	<1%
CAS number: 67-56-1	EC number: 200-659-6
Classification Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT SE 1 - H370	

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Non-volatile liquid product.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Promptly get affected person to drink large volumes of water to dilute the swallowed chemical. Give milk instead of water if readily available. Get medical attention immediately.
Skin contact	Remove contaminated clothing. Rinse immediately with plenty of water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

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

Inhalation	This is unlikely to occur but symptoms similar to those of ingestion may develop.
Ingestion	May cause stomach pain or vomiting.
Skin contact	Skin irritation.
Eye contact	Severe irritation, burning and tearing.

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

Notes for the doctor	No specific recommendations. If in doubt, get medical attention promptly.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Use fire-extinguishing media suitable for the surrounding fire.
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5.2. Special hazards arising from the substance or mixture

Specific hazards	Fire or high temperatures create: Vapours/gases/fumes of: Oxides of the following substances: Carbon. No unusual fire or explosion hazards noted.
Hazardous combustion products	Fire or high temperatures create: Oxides of: Carbon.

5.3. Advice for firefighters

Protective actions during firefighting	If risk of water pollution occurs, notify appropriate authorities. Control run-off water by containing and keeping it out of sewers and watercourses.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
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6.2. Environmental precautions

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Environmental precautions Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb in vermiculite, dry sand or earth and place into containers. Flush spilled material into suitable retaining areas or container with large quantities of water.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet. Collect and dispose of spillage as indicated in Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Wear suitable protective equipment for prolonged exposure and/or high concentrations of vapours, spray or mist. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep above the chemical's freezing point to avoid rupturing the container. Keep container tightly closed.

Storage class Chemical storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

ETHANOL

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m³

MONOPROPYLENE GLYCOL

Long-term exposure limit (8-hour TWA): WEL 150 ppm 474 mg/m³ total vapour and particulates

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ particulate

METHANOL

Long-term exposure limit (8-hour TWA): WEL 200 ppm 266 mg/m³

Short-term exposure limit (15-minute): WEL 250 ppm 333 mg/m³

Sk

WEL = Workplace Exposure Limit.

Sk = Can be absorbed through the skin.

MONOPROPYLENE GLYCOL (CAS: 57-55-6)

DNEL

Workers - Inhalation; Long term systemic effects: 186 mg/m³

Workers - Inhalation; Long term local effects: 10 mg/m³

General population - Inhalation; Long term systemic effects: 50 mg/m³

General population - Inhalation; Long term local effects: 10 mg/m³

PNEC

- Fresh water; 206 mg/l

- marine water; 26 mg/l

- Sediment (Freshwater); 572 mg/l

- Sediment (Marinewater); 57.2 mg/l

- Soil; 50 mg/kg dw

- STP; 20000 mg/l

8.2. Exposure controls

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Protective equipment



Appropriate engineering controls	No specific ventilation requirements.
Eye/face protection	Safety glasses with side-shields (EN 166).
Hand protection	Chemical resistant PVC/Nitrilrubber gloves (to European standard EN 374 or equivalent). Thickness: 0,4 mm. Penetration time: >480 min (level 6). The selection of specific gloves for a specific application and time of use in a working area, should also take into account other factors on the working space, such as (but not limited to): other chemicals that are possibly used, physical requirements (protection against cutting/drilling, skill, thermal protection), and the instructions/specification of the supplier of gloves.
Other skin and body protection	Wear suitable protective clothing (EN 14605). Long sleeved protective clothing
Hygiene measures	Do not eat, drink or smoke when using this product.
Respiratory protection	No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Green.
Odour	Mild (or faint).
pH	pH (diluted solution): 7
Flash point	66°C Pensky-Martens closed cup.
Relative density	~ 0.98 @ 20°C
Solubility(ies)	Soluble in water.

9.2. Other information

Other information	Not determined.
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SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	No particular stability concerns.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No potentially hazardous reactions known.
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10.4. Conditions to avoid

Conditions to avoid	Avoid contact with the following materials: Oxidising agents. Reducing agents.
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10.5. Incompatible materials

Materials to avoid	Strong oxidising agents. Strong reducing agents.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Not known.
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 4,000.0

Inhalation

This is unlikely to occur but symptoms similar to those of ingestion may develop.

Ingestion

Ingestion may cause severe irritation of the mouth, the oesophagus and the gastrointestinal tract.

Skin contact

Irritating to skin.

Eye contact

Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.

Acute and chronic health hazards Repeated exposure may cause chronic eye irritation. Mild dermatitis, allergic skin rash.

Toxicological information on ingredients.

PEG-5 C13 Oxo Alcohol

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 2,001.0

Species Rat

ATE oral (mg/kg) 2,001.0

ETHANOL

Carcinogenicity

IARC carcinogenicity IARC Group 1 Carcinogenic to humans.

METHANOL

Acute toxicity - oral

ATE oral (mg/kg) 100.0

Acute toxicity - dermal

ATE dermal (mg/kg) 300.0

Acute toxicity - inhalation

ATE inhalation (vapours mg/l) 3.0

SECTION 12: Ecological information

Ecotoxicity

The levels of environmentally hazardous materials are below the limit that would cause the preparation to be classified as Dangerous to the Environment.

12.1. Toxicity

Toxicity

Not considered toxic to fish.

Ecological information on ingredients.

PEG-5 C13 Oxo Alcohol

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 96 hours: 1-10 mg/l, Fish

Acute toxicity - aquatic invertebrates EC₅₀, 48 hours: 1-10 mg/l, Daphnia magna

Acute toxicity - aquatic plants EC₅₀, 72 hours: 1-10 mg/l, Algae

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Acute toxicity -
microorganisms

EC10, 17 hours: >2500 mg/l, Activated sludge

ETHANOL

Acute aquatic toxicity

Acute toxicity - fish

LC₅₀, 96 hours: 11400 mg/l, Fish

Acute toxicity - aquatic plants

IC₅₀, 72 hours: 5000 mg/l, Algae

12.2. Persistence and degradability

Persistence and degradability

The surfactant(s) contained in this product complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them at their direct request, or at the request of a detergent manufacturer.

12.3. Bioaccumulative potential

Bioaccumulative potential

No data available on bioaccumulation.

12.4. Mobility in soil

Mobility

The product is non-volatile.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB
assessment

This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods

Dispose of in accordance with Local Authority Regulations

EURAL Code

SECTION 14: Transport information

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Transport labels

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

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

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

Not applicable.

SECTION 15: Regulatory information

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

EU legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments	Flash point data added
Revision date	20/03/2020
Revision	5
Supersedes date	11/03/2019
SDS number	21295
Hazard statements in full	H225 Highly flammable liquid and vapour. H301 Toxic if swallowed. H302 Harmful if swallowed. H311 Toxic in contact with skin. H318 Causes serious eye damage. H319 Causes serious eye irritation. H331 Toxic if inhaled. H370 Causes damage to organs . H400 Very toxic to aquatic life. H412 Harmful to aquatic life with long lasting effects.