

This safety data sheet was created pursuant to the requirements of:
UK REACH Regulations (SI 2019/758 as amended)

Supersedes date 07-Apr-2020**

Revision date 06-Jan-2026

Revision Number 5

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

1.1. Product identifier

Product Code(s) 13194***
Safety data sheet number 13194***
Product Name EURECO LX17

Pure substance/mixture Mixture***

Contains 6-(PHTHALIMIDO)PEROXYHEXANOIC ACID; ETIDRONIC ACID

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

Recommended use Cleaning agent
Bleaching Agent
Disinfectant***

1.3. Details of the supplier of the safety data sheet

Supplier

Univar Solutions UK Ltd
Aquarius House
6 Mid Point Business Park
Bradford
GBR

For further information, please contact

E-mail address SDS.EMEA@univarsolutions.com
Non-Emergency Telephone Number +44 1274 267300 / +44 1274 267306

1.4. Emergency telephone number

Emergency Telephone SGS - +32 (0)3 575 55 55 (24h)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Serious eye damage/eye irritation	Category 2*** - (H319)***
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2.2. Label elements

Contains 6-(PHTHALIMIDO)PEROXYHEXANOIC ACID; ETIDRONIC ACID

**Signal word**

Warning***

Hazard statements

H319 - Causes serious eye irritation***

Precautionary statements

P264 - Wash face, hands and any exposed skin thoroughly after handling

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***

Unknown aquatic toxicity

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients**3.1 Substances**

Not applicable***

3.2 Mixtures***

Chemical name	Weight-%	EC No (EU Index No)	UK REACH registration number	Classification according to GB CLP (SI 2020/1567 as amended)	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
6-(PHTHALIMIDO)P EROXYHEXANOIC ACID*** 128275-31-0	10 - 20%	410-850-8***	-	Aquatic Chronic 3 (H412) Aquatic Acute 1 (H400) Org. Perox. D (H242) Eye Dam. 1 (H318)***	-	-	-
ETIDRONIC ACID*** 2809-21-4	0 - 10%	220-552-8***	-	Met. Corr. 1 (H290) Acute Tox. 4 (H302) Eye Dam. 1 (H318)***	-	-	-

Full text of H- and EUH-phrases: see section 16This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (UK REACH Article 59)**SECTION 4: First aid measures****4.1. Description of first aid measures**

General advice	Show this safety data sheet to the doctor in attendance.***
Inhalation	Remove to fresh air.***
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and persists.***
Skin contact	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor.
Ingestion	Rinse mouth. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a doctor.***
Self-protection of the first aider	Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).***

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

Symptoms	May cause redness and tearing of the eyes. Burning sensation.***
Eyes	May cause redness and tearing of the eyes. Causes serious eye irritation.***

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

Note to doctors	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Dry chemical, CO2, alcohol-resistant foam or water spray.***
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products	Carbon oxides.***
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5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters	Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Avoid contact with skin, eyes or clothing. Use personal protective equipment as required.***
Other information	Refer to protective measures listed in Sections 7 and 8.***
For emergency responders	Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

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 cleaning up Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage**7.1. Precautions for safe handling**

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not eat, drink or smoke when using this product.***

General hygiene considerations Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.***

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place. Keep container tightly closed in a dry and well-ventilated place. Keep at a temperature not exceeding 50.0 °C.***

Packaging materials Suitable container/equipment material: Plastic container. stainless steel. Glass. Unsuitable container/equipment material: copper.***

7.3. Specific end use(s)

Specific use(s)
See section 1 for more information.

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Biological occupational exposure limits This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.

Derived No Effect Level (DNEL) - Workers ***

Chemical name	Oral	Dermal	Inhalation
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Chemical name	Oral	Dermal	Inhalation
6-(PHTHALIMIDO)PEROXYHEXANOIC ACID*** 128275-31-0		0.35 mg/kg bw/day [4] [6]***	1.2 mg/kg [4] [6]***
ETIDRONIC ACID*** 2809-21-4		34 mg/kg bw/day [4] [6]***	12 mg/m ³ [4] [6]***

[4] Systemic health effects.***
[6] Long term.***

Derived No Effect Level (DNEL) - General Public ***

Chemical name	Oral	Dermal	Inhalation
6-(PHTHALIMIDO)PEROXYHEXANOIC ACID*** 128275-31-0	0.125 mg/kg bw/day [4] [6]***	0.125 mg/kg bw/day [4] [6]***	0.218 mg/m ³ [4] [6]***
ETIDRONIC ACID*** 2809-21-4	1.7 mg/kg bw/day [4] [6] 1.7 mg/kg bw/day [4] [7]***		2.95 mg/m ³ [4] [6]***

[4] Systemic health effects.***
[6] Long term.***
[7] Short term.***

Predicted No Effect Concentration (PNEC) ***

Chemical name	Freshwater	Freshwater (intermittent release)	Marine water	Marine water (intermittent release)	Air
6-(PHTHALIMIDO)PEROXYHEXANOIC ACID*** 128275-31-0	0.0004 mg/l***		0.00004 mg/l***		
ETIDRONIC ACID*** 2809-21-4	0.136 mg/l ***		0.0136 mg/l ***		

Chemical name	Freshwater sediment	Marine sediment	Sewage treatment	Soil	Food chain
6-(PHTHALIMIDO)PEROXYHEXANOIC ACID*** 128275-31-0	0.003 mg/kg dry weight (d.w.)***	0.0003 mg/kg dry weight (d.w.)***		0.5 mg/kg dry weight (d.w.)***	
ETIDRONIC ACID*** 2809-21-4	59 mg/kg ww***	5.9 mg/kg ww	20 mg/l ***	96 mg/kg ww***	3.7 mg/kg food***

8.2. Exposure controls

Engineering controls No information available.

Personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles). According to EN 16321-1.***

Hand protection Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves. Butyl rubber. Gloves must conform to standard EN 374.***

Skin and body protection	Wear suitable protective clothing.***
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
ABEK P2 filter.***	
General hygiene considerations	Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.***

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid***	
Appearance	Viscous liquid suspension***	
Colour	white***	
Odour	Odourless.***	
Odour threshold	No information available	
Property	Values	Remarks • Method
Melting point / freezing point	75*** °C***	***
Initial boiling point and boiling range		No information available.
Flammability		No information available.
Flammability Limit in Air		No information available.
Upper flammability or explosive limits		
Lower flammability or explosive limits		
Flash point		No information available.
Autoignition temperature		No information available.
Decomposition temperature	>*** 80*** °C***	***
pH	3.5***	***
pH (as aqueous solution)		No information available.
Kinematic viscosity		No information available.
Dynamic viscosity	700 mPa.s***	***
Water solubility	No data available	No information available.
Solubility(ies)	Soluble in the following materials: Alcohols., Ether., Esters***	***
Partition coefficient		No information available.
Vapour pressure		No information available.
Relative density	1.0*** -*** 1.1***	***
Bulk density		No information available
Liquid Density	No information available	No information available
Relative vapour density		No information available.
Particle characteristics		No information available.
Particle Size	No information available	
Particle Size Distribution	No information available	
Explosive properties	Not considered to be explosive.***	
Oxidising properties	Does not meet the criteria for classification as oxidising***	

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity Decomposes on heating.***

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid Combustible material. Extremes of temperature and direct sunlight.***

10.5. Incompatible materials

Incompatible materials Reducing agent. Copper alloys.***

10.6. Hazardous decomposition products

Hazardous decomposition products Carbon oxides.***

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on likely routes of exposure

Product Information ***

Inhalation May cause irritation.***

Eye contact Causes serious eye irritation.***

Skin contact May cause slight irritation.***

Ingestion Gastrointestinal discomfort.***

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms May cause redness and tearing of the eyes.***

Acute toxicity

Numerical measures of toxicity

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

ATEmix (oral) 125,200.00*** mg/kg***

Component Information ***

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
ETIDRONIC ACID***	> 2400 mg/kg (Mouse) ***	> 6000 mg/kg (Rabbit)***	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation No information available.

ETIDRONIC ACID (2809-21-4)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit***	Dermal***		24 hours***	

Serious eye damage/eye irritation Causes serious eye irritation.***

ETIDRONIC ACID (2809-21-4)

Method	Species	Exposure route	Effective dose	Exposure time	Results
	Rabbit***	eye***		24 hours***	Product score 90 Causes serious eye damage May cause permanent damage if eye is not immediately irrigated. Causes eye burns***

Respiratory or skin sensitisation No information available.

Germ cell mutagenicity No information available.

Component Information

ETIDRONIC ACID (2809-21-4)

Method	Species	Results
OECD Test No. 471: Bacterial Reverse Mutation Test***	Bacteria***	Negative***

Carcinogenicity No information available.

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

Other adverse effects No information available.

SECTION 12: Ecological information**12.1. Toxicity**

Ecotoxicity Not considered to be harmful to aquatic life.***

Unknown aquatic toxicity ***

ETIDRONIC ACID (2809-21-4)

Method	Species	Endpoint type	Effective dose	Exposure time	Results
Acute toxicity***	Oncorhynchus mykiss (rainbow trout)***	LC50***	195 mg/L***	96 hours***	
Acute toxicity***	Cyprinodon variegatus***	LC50***	2180 mg/L***	96 hours***	
Acute toxicity***	Lepomis macrochirus***	LC50***	868 mg/L***	96 hours***	
Acute toxicity***	Oncorhynchus mykiss (rainbow trout)***	LC50***	368 mg/L***	96 hours***	
Acute toxicity***	Water flea***	EC50***	527 mg/L***	48 hours***	

12.2. Persistence and degradability

Persistence and degradability No information available.***

ETIDRONIC ACID (2809-21-4)

Method	Exposure time	Value	Results
OECD Test No. 301D: Ready Biodegradability: Closed Bottle Test (TG 301 D)***	5 days***	Biodegradation 22.88 %***	Not readily biodegradable***
OECD Test No. 302A: Inherent Biodegradability: Modified SCAS Test***	1 days***	Biodegradation 10.2 %***	Not readily biodegradable***
OECD Test No. 302A: Inherent Biodegradability: Modified SCAS Test***	3 days***	Biodegradation 7.0 %***	Not readily biodegradable***
OECD Test No. 302B: Inherent Biodegradability: Zahn-Wellens/ EVPA Test***	30 days***	Biodegradation 23 - 33 %***	Not readily biodegradable***

12.3. Bioaccumulative potential

Bioaccumulation No information available.***

Component Information ***

Chemical name	Partition coefficient
ETIDRONIC ACID***	-3.5***

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment The product does not contain any substance(s) classified as PBT or vPvB.

Chemical name	PBT and vPvB assessment
ETIDRONIC ACID***	The substance is not PBT / vPvB***

12.6. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated packaging	Do not reuse empty containers.

SECTION 14: Transport information

IATA

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

IMDG

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None
14.7 Maritime transport in bulk according to IMO instruments	No information available

RID

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

ADR

14.1 UN number or ID number	Not regulated
14.2 UN proper shipping name	Not regulated
14.3 Transport hazard class(es)	Not regulated
14.4 Packing group	Not regulated
14.5 Environmental hazards	Not applicable
14.6 Special precautions for user	
Special Provisions	None

SECTION 15: Regulatory information

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

National regulations

Authorisations and/or restrictions on use:

This product contains one or more substances subject to restriction (UK REACH - Annex XVII).
 This product does not contain substances subject to authorisation (UK REACH - Annex XIV).***

Persistent Organic Pollutants

Not applicable

Export Notification requirements

Not applicable

Named dangerous substances per COMAH Regulations 2015 (as amended)

Not applicable

The Ozone-Depleting Substances Regulations 2015

Not applicable

The Biocidal Products Regulations 2001 (as amended)

Not applicable

The Water Environment (Water Framework Directive) (England and Wales) Regulations 2017 (as amended)

Not applicable

Poisons Act 1972 (Explosive Precursors) Regulations (as Amended)

Not applicable

International Inventories

TSCA	Contact supplier for inventory compliance status
DSL/NDL	Contact supplier for inventory compliance status
EINECS/ELINCS	Contact supplier for inventory compliance status
ENCS	Contact supplier for inventory compliance status
IECSC	Contact supplier for inventory compliance status
KECI	Contact supplier for inventory compliance status
PICCS	Contact supplier for inventory compliance status
AIIC	Contact supplier for inventory compliance status
NZIoC	Contact supplier for inventory compliance status

Legend:

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AIIC - Australian Inventory of Industrial Chemicals
NZIoC - New Zealand Inventory of Chemicals

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information**Key or legend to abbreviations and acronyms used in the safety data sheet**

Full text of H-Statements referred to under section 3

H290 - May be corrosive to metals
H302 - Harmful if swallowed
H318 - Causes serious eye damage***

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend Section 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation
+	Sensitisers		

Revision Note ***Indicates updated data since last publication

Classification procedure

Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity***	Calculation method***
Acute dermal toxicity***	Calculation method***
Acute inhalation toxicity - gas***	Calculation method***
Acute inhalation toxicity - vapour***	Calculation method***
Acute inhalation toxicity - dust/mist***	Calculation method***
Skin corrosion/irritation***	Calculation method***
Serious eye damage/eye irritation***	Calculation method***
Respiratory sensitisation***	Calculation method***
Skin sensitisation***	Calculation method***
Mutagenicity***	Calculation method***
Carcinogenicity***	Calculation method***
Reproductive toxicity***	Calculation method***
STOT - single exposure***	Calculation method***
STOT - repeated exposure***	Calculation method***
Acute aquatic toxicity***	Calculation method***
Chronic aquatic toxicity***	Calculation method***
Aspiration hazard***	Calculation method***
Ozone***	Calculation method***

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
U.S. Environmental Protection Agency ChemView Database
European Food Safety Authority (EFSA)
European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
European Chemicals Agency (ECHA) (ECHA_API)
Environmental Protection Agency
Acute Exposure Guideline Level(s) (AEGl(s))
U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
U.S. Environmental Protection Agency High Production Volume Chemicals
Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
National Institute of Technology and Evaluation (NITE)
Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
U.S. National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications
Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme
Organisation for Economic Co-operation and Development Screening Information Data Set
World Health Organization

Prepared By Jitendra Panchal***

Supersedes date 07-Apr-2020***

Revision date

06-Jan-2026

This material safety data sheet complies with the requirements of UK REACH Regulations (SI 2019/758 as amended)
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

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet