

Sedative

Version: 1.0 Date: 17.12.2019

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

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

1.1	Product identifier Product Code & Name	Sedative EA0031
1.2	Relevant identified uses of the substance or mixture and uses advised against Identified Use(s) Uses Advised Against	Reduces fish stress to allow minor surgical procedures, scrapes and examinations to take place For use only with Koi.
1.3	Details of the supplier of the safety data sheet Company Identification Telephone Fax E-Mail (competent person)	Evolution Aqua Ltd. Kellet Close, Wigan, Lancashire United Kingdom 01942 216 554 Not available. info@evolutionaqua.com
1.4	Emergency telephone number Languages spoken	+44 (0) 1942 216554 (Monday - Friday, GMT 08:30 - 17:00) English

SECTION 2: HAZARDS IDENTIFICATION

2.1	Classification of the substance or mixture	
2.1.1	Regulation (EC) No. 1272/2008 (CLP)	Acute Tox. 4; H302 Eye Irrit. 2; H319
2.2	Label elements Product Name Contains: Hazard Pictogram(s) Signal Word(s) Hazard Statement(s) Precautionary Statement(s)	According to Regulation (EC) No. 1272/2008 (CLP) 2-phenoxyethanol  Warning H302: Harmful if swallowed. H319: Causes serious eye irritation. P102: Keep out of reach of children. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+P312: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P308+P313: IF exposed or concerned: Get medical advice/attention. P501: Disposal should be in accordance with local, state or national legislation.
2.3	Other hazards	None known.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 **Substances** Not applicable3.2 **Mixtures** Substances in preparations / mixtures

EC Classification Regulation (EC) No. 1272/2008 (CLP)

Chemical identity of the substance	%W/W	CAS No.	EC No.	REACH Registration No.	Hazard classification
2-phenoxyethanol	25 – 50	122-99-6	204-589-7	Not yet assigned in the supply chain	Acute Tox. 4; H302 Eye Irrit. 2; H319

For full text of H/P Statements see section 16.

SECTION 4: FIRST AID MEASURES

4.1 **Description of first aid measures**

Inhalation

If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Apply artificial respiration if necessary (do not employ mouth-to-mouth method). If breathing is difficult, oxygen should be given by a trained person. Get medical advice/attention if you feel unwell.

Skin Contact

Wash with plenty of water. If irritation (redness, rash, blistering) develops, get medical attention.

Eye Contact

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

Ingestion

IF SWALLOWED: Do not induce vomiting wash out mouth with water. If symptoms occur obtain medical attention.

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

Harmful if swallowed. Causes serious eye irritation.

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

Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 **Extinguishing media**

Suitable Extinguishing Media

Not flammable. In case of fire use extinguishing media appropriate to surrounding conditions.

Unsuitable extinguishing Media

Do not use water jet. Direct water jet may spread the fire.

5.2 **Special hazards arising from the substance or mixture**

Combustion or thermal decomposition will evolve toxic and irritant vapours. Carbon monoxide, Carbon dioxide

5.3 **Advice for fire-fighters**

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Do not breathe fumes. Keep containers cool by spraying with water if exposed to fire.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1	Personal precautions, protective equipment and emergency procedures	Ensure adequate ventilation. Avoid breathing vapours. Keep upwind. Take off contaminated clothing and wash it before reuse. Wear suitable protective clothing.
6.2	Environmental precautions	Avoid release to the environment. Do not allow to enter drains, sewers or watercourses.
6.3	Methods and material for containment and cleaning up	Stop leak if safe to do so. Cover spills with inert absorbent material. Transfer to a lidded container for disposal or recovery. Ventilate the area and wash spill site after material pick-up is complete.
6.4	Reference to other sections	See Section: 8, 13

SECTION 7: HANDLING AND STORAGE

7.1	Precautions for safe handling	Avoid splashing. Good hygiene practices and housekeeping measures. Do not eat, drink or smoke during work. Avoid breathing vapours. Contaminated clothing should be thoroughly cleaned. Wash hands and exposed skin thoroughly after handling.
7.2	Conditions for safe storage, including any incompatibilities	Keep container tightly closed and in a well-ventilated place. Keep away from fire, sparks and heated surfaces - no smoking.
	Storage temperature	Avoid large temperature changes and store in a cool, dry place away from direct sunlight.
	Storage life	3 Years.
	Incompatible materials	Aluminium, Copper, Galvanized Iron, Galvanized Steel, Strong acids and alkali, Strong oxidizers.
7.3	Specific end use(s)	See Section: 1.2

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1	Control parameters	
8.1.1	Occupational Exposure Limits	Not established.
8.1.2	Biological limit value	Not established.
8.1.3	PNECs and DNELs	Not established.
8.2	Exposure controls	
8.2.1	Appropriate engineering controls	Ensure adequate ventilation. Good hygiene practices and housekeeping measures. Keep container tightly closed and dry. Store in a cool/low-temperature, well-ventilated (dry) place.
8.2.2	Individual protection measures, such as personal protective equipment (PPE)	Use personal protective equipment as required. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Avoid generation of mist. Keep good industrial hygiene. Contaminated clothing should be thoroughly cleaned.

Eye/face protection



Eye Protection: Wear goggles giving complete protection to eyes to protect against liquid splashes (EN166).

Skin protection

Hand protection: Not normally required.
Recommended: Wear impervious gloves (EN374).

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Respiratory protection



In case of insufficient ventilation, wear suitable respiratory equipment. Respiratory protective equipment should conform to the appropriate EN standard.

Thermal hazards

Not applicable

8.2.3 Environmental Exposure Controls

Avoid release to the environment. Do not allow to enter drains, sewers or watercourses.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Clear solution which turns white when shaken
Odour	Aromatic
Odour Threshold	Not determined
pH	5-7
Melting Point/Freezing Point	Not determined
Initial boiling point and boiling range	Not determined
Flash Point	Not determined
Evaporation Rate	Not determined
Flammability (solid, gas)	Not determined
Upper/lower flammability or explosive limits	Not determined
Vapour pressure	Not determined
Vapour density (Air = 1)	Not determined
Relative density	Not determined
Solubility(ies)	Not determined
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Not determined
Decomposition Temperature	Not determined
Viscosity	Not determined
Explosive properties	Not explosive
Oxidising properties	Not oxidising

9.2 Other information

Not applicable

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	Stable under normal conditions.
10.2 Chemical stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	None known.
10.4 Conditions to avoid	Elevated temperature. Keep away from hot surfaces, sparks, open flames and other ignition sources. No smoking. Long term exposure to heat and direct sunlight.
10.5 Incompatible materials	Aluminium, Copper, Galvanized Iron, Galvanized Steel, Strong acids and alkali, Strong oxidizers.
10.6 Hazardous decomposition product(s)	None known.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects (Substances in preparations / mixtures)

Acute toxicity

Ingestion

Acute Tox. 4; Harmful if swallowed.

Inhalation

Acute Toxicity Estimate Mixture Calculation LD50 : 1250 mg/kg bw/day
Based upon the available data, the classification criteria are not met.

Skin Contact

Acute Toxicity Estimate Mixture Calculation LC50 > 2000 mg/kg bw/day
Based upon the available data, the classification criteria are not met.

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Skin corrosion/irritation	Acute Toxicity Estimate Mixture Calculation LD50 Vapour > 20 mg/l
Serious eye damage/irritation	Eye Irrit. 2; Causes eye irritation.
Respiratory or skin sensitization	Based upon the available data, the classification criteria are not met.
Germ cell mutagenicity	Based upon the available data, the classification criteria are not met.
Carcinogenicity	Based upon the available data, the classification criteria are not met.
Reproductive toxicity	Based upon the available data, the classification criteria are not met.
STOT - single exposure	Based upon the available data, the classification criteria are not met.
STOT - repeated exposure	Based upon the available data, the classification criteria are not met.
Aspiration hazard	Based upon the available data, the classification criteria are not met.

11.2 Other information None

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	Based upon the available data, the classification criteria are not met. Estimated LC50(96 hour) > 100 mg/l (Fish)
12.2 Persistence and degradability	No data for the mixture as a whole.
12.3 Bioaccumulative potential	No data for the mixture as a whole.
12.4 Mobility in soil	No data for the mixture as a whole.
12.5 Results of PBT and VPvB assessment	None of the substances in this product fulfil the criteria for being regarded as a PBT or vPvB substance.
12.6 Other adverse effects	None known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Avoid release to the environment. Liquid product may not be disposed of with household waste or landfilled. Do not allow to enter into drains/waters or in the soil.
13.2 Additional Information	None.

SECTION 14: TRANSPORT INFORMATION

	ADR/RID	IMDG	IATA/ICAO
14.1 UN number	Not classified.	Not classified.	Not classified.
14.2 UN proper shipping name	Not classified.	Not classified.	Not classified.
14.3 Transport hazard class(es)	Not classified.	Not classified.	Not classified.
14.4 Packing group	Not classified.	Not classified.	Not classified.
14.5 Environmental hazards	Not classified.	Not classified.	Not classified.
14.6 Special precautions for user	See Section: 2		
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.	Not applicable.	Not applicable.
14.8 Additional Information	None.		

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture	
15.1.1 EU regulations	Authorisations and/or Restrictions on Use None.
15.1.2 National regulations	Germany Water hazard class: 1
15.2 Chemical Safety Assessment	None.

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SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

References: Safety Data Sheets for ingoing ingredients. Harmonised Classification(s) for 2-phenoxyethanol (CAS No. 122-99-6).

LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration
PBT	PBT: Persistent, Bioaccumulative and Toxic
vPvB	vPvT: very Persistent and very Toxic
OECD	Organisation for Economic Cooperation and Development
SCL	Specific Concentration Limit

Classification of the substance or mixture According to Regulation (EC) No. 1272/2008 (CLP).	Classification Procedure
Acute Tox. 4; H302	Acute Toxicity Estimate Mixture Calculation
Eye Irrit. 2; H319	Threshold Calculation

Hazard Statement(s)

H302: Harmful if swallowed.

H319: Causes serious eye irritation.

Training advice: Consideration should be given to the work procedures involved and the potential extent of exposure as they may determine whether a higher level of protection is required.

Disclaimers

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Annex to the extended Safety Data Sheet (eSDS)

Not available.