

# SAFETY DATA SHEET

Version: 1.0 Date: 06/11/2019

## Wound Cleaner




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

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

<b>1.1 Product identifier</b>	
Product Name	Wound Cleaner
Product code	EA0030
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>	
Identified Use(s)	Medication for Koi carp
Uses Advised Against	For use only with Koi
<b>1.3 Details of the supplier of the safety data sheet</b>	
Company Identification	Evolution Aqua Ltd. Kellet Close, Wigan, Lancashire United Kingdom
Telephone	01942 216 554
Fax	Not available.
E-Mail (competent person)	<a href="mailto:info@evolutionaqua.com">info@evolutionaqua.com</a>
<b>1.4 Emergency telephone number</b>	+44 (0) 1942 216554 (Monday - Friday, GMT 08:30 - 17:00)
Languages spoken	English

### SECTION 2: HAZARDS IDENTIFICATION

<b>2.1 Classification of the substance or mixture</b>	
<b>2.1.1 Regulation (EC) No. 1272/2008 (CLP)</b>	Carc. 1B; H350
<b>2.2 Label elements</b>	
Product Name	According to Regulation (EC) No. 1272/2008 (CLP) Wound Cleaner
Contains:	C12-C16 ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE
Hazard Pictogram(s)	
Signal Word(s)	DANGER
Hazard Statement(s)	H350: May cause cancer.
Precautionary Statement(s)	P101: If medical advice is needed, have product container or label at hand. P102: Keep out of reach of children. P201: Obtain special instructions before use. P280: Wear protective gloves/protective clothing/eye protection/face protection. P308+P313: IF exposed or concerned: Get medical advice/attention. P405: Store locked up.
<b>2.3 Other hazards</b>	None known.

### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<b>3.1 Substances</b>	Not applicable
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**3.2 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
C12-C16 ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	0.1-1	68424-85-1	270-325-2	Not yet assigned in the supply chain	Flam. Liq. 3; H226 Acute Tox. 4; H302 Skin Corr. 1B; H314 Eye Dam. 1; H318 Carc. 1B; H350 Aquatic Acute 1; H400 Aquatic Chronic 1; H410
Methanol	<0.1	67-56-1	200-659-6	Not yet assigned in the supply chain	Flam. Liq. 2; H225 Acute Tox. 3; H301 Acute Tox. 3; H311 Acute Tox. 3; H331 STOT SE 1; H370 SCL: C $\geq$ 10%

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

## SECTION 4: FIRST AID MEASURES



### 4.1 Description of first aid measures

Self-protection of the first aider

Inhalation

Skin Contact

Eye Contact

Ingestion

No action should be taken involving personal risk. Wear appropriate personal protective equipment, avoid direct contact. Adequate ventilation must be used. Do not breathe vapour. Avoid all contact. Remove contaminated clothing immediately. Apply artificial respiration if necessary. Do not employ mouth-to-mouth method.  
IF INHALED: If breathing is difficult, remove 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 exposed or concerned: Get medical advice/attention.  
IF ON SKIN: Wash with plenty of water. If skin irritation occurs: Get medical advice/attention.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Hold eye open and rinse slowly and gently with water for 15-20 minutes. If irritation develops and persists, get medical attention.  
IF SWALLOWED: Rinse mouth. Give plenty of water to drink. Do NOT induce vomiting. Seek medical treatment.  
Causes serious eye irritation.

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

### 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 but will support combustion. As appropriate for surrounding fire. In case of fire use water spray or fog, alcohol resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing Media

Direct water jet may spread the fire.

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

Combustion may cause toxic fumes. (Carbon monoxide, Carbon dioxide).

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### 5.3 Advice for fire-fighters

Fight fire with normal precautions from a reasonable distance. Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep containers cool by spraying with water if exposed to fire. Avoid run off to waterways and sewers. Dike fire control water for later disposal.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

No action should be taken involving personal risk. Wear appropriate personal protective equipment, avoid direct contact. Ensure adequate ventilation. Do not breathe vapour. Take off contaminated clothing and wash it before reuse. Avoid all contact. Remove contaminated clothing and wash all affected areas with plenty of water.

### 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

Clear up spills immediately and dispose of waste safely. Contain spillages. Cover spills with inert absorbent material. Recover the product where possible. 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

Wear appropriate personal protective equipment, avoid direct contact. Do not breathe vapour. Avoid all contact. Wash hands and exposed skin thoroughly after handling. Good hygiene practices and housekeeping measures. Do not eat, drink or smoke during work. Take off contaminated clothing and wash it before reuse. Keep container tightly closed and in a well-ventilated place. Keep away from food, drink and animal feeding stuffs. Keep out of reach of children.

### 7.2 Conditions for safe storage, including any incompatibilities

Storage temperature

Incompatible materials

Keep in a cool, dry, well ventilated place.

Strong oxidising agents. Strong acids.

### 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

Substance	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m <sup>3</sup> )	STEL (ppm)	STEL (mg/m <sup>3</sup> )	Note
Methanol	67-56-1	200	266	250	333	WEL, Sk

Source: WEL: Workplace Exposure Limit (UK HSE EH40). IOELV: Indicative Occupational Exposure Limit Value

Notations:

Sk: Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.

#### 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. A washing facility/water for eye and skin cleaning purposes should be present.

#### 8.2.2 Individual protection measures, such as personal protective equipment (PPE)

Use personal protective equipment as required. Avoid all contact. Do not breathe vapour. Ensure adequate ventilation. Wash hands and exposed skin thoroughly after handling.

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Protective clothing should be selected specifically for the working place, depending on concentration and quantity of the hazardous substances handled. The resistance of the protective clothing to chemicals should be ascertained with the respective supplier.

Eye/face protection



Eye Protection: Wear eye protection with side protection (EN166).

Skin protection



**Hand protection:** Wear impervious gloves (EN374). Breakthrough time of the glove material: refer to the information provided by the gloves' producer. Recommended: Butyl rubber, Nitrile rubber.

**Body protection:** Wear work clothes with long sleeves.

Respiratory protection



Wear respiratory protection. 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, Colourless Liquid
Odour	Not determined
Odour Threshold	Not determined
pH	8-9
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.

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10.2	Chemical stability	Stable under normal conditions.
10.3	Possibility of hazardous reactions	None known.
10.4	Conditions to avoid	Elevated temperature, Avoid generation of mist. Keep out of reach of children.
10.5	Incompatible materials	Strong oxidising agents. Strong acids.
10.6	Hazardous decomposition product(s)	Combustion products: Carbon monoxide, Carbon dioxide

## SECTION 11: TOXICOLOGICAL INFORMATION

11.1	<b>Information on toxicological effects (Substances in preparations / mixtures)</b>	
	<b>Acute toxicity - Ingestion</b>	Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation LD50 > 2000 mg/kg bw/day
	<b>Acute toxicity - Inhalation</b>	Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation LC50 > 5 mg/kg bw/day (Dust)
	<b>Acute toxicity - Skin Contact</b>	Mixture: Based upon the available data, the classification criteria are not met. Acute Toxicity Estimate Mixture Calculation LD50 > 2000 mg/kg bw/day
	<b>Skin corrosion/irritation</b>	Mixture: Based upon the available data, the classification criteria are not met.
	<b>Serious eye damage/irritation</b>	Mixture: Based upon the available data, the classification criteria are not met.
	<b>Respiratory or skin sensitization</b>	Mixture: Based upon the available data, the classification criteria are not met.
	<b>Germ cell mutagenicity</b>	Mixture: Based upon the available data, the classification criteria are not met.
	<b>Carcinogenicity</b>	Mixture: Carc. 1B; H350: May cause cancer.
	C12-C16 ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	Carc. 1B; H350: May cause cancer.
	<b>Reproductive toxicity</b>	No data - ECHA registration dossier
	<b>STOT - single exposure</b>	Mixture: Based upon the available data, the classification criteria are not met.
	<b>STOT - repeated exposure</b>	Mixture: Based upon the available data, the classification criteria are not met.
	<b>Aspiration hazard</b>	Mixture: Based upon the available data, the classification criteria are not met.
11.2	<b>Other information</b>	None

## SECTION 12: ECOLOGICAL INFORMATION

12.1	<b>Toxicity</b>	Based upon the available data, the classification criteria are not met. Estimated LC50 (96 hour) > 100 mg/l (Fish)
12.2	<b>Persistence and degradability</b>	No data for the mixture as a whole.
	C12-C16 ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	No data - ECHA registration dossier
	Methanol	Readily biodegradable.
12.3	<b>Bioaccumulative potential</b>	% Biodegradation: 82.7% (Wagner, R., 1976)
	C12-C16 ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	No data for the mixture as a whole.
	Methanol	No data - ECHA registration dossier
12.4	<b>Mobility in soil</b>	Bioaccumulation will not occur
	C12-C16 ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE	BCF= <10 (Cyprinus carpio) Low log Kow:-0.82 to 0.64 (Hansch and Leo 1979)
	Methanol	No data for the mixture as a whole.
		No data - ECHA registration dossier
12.5	<b>Results of PBT and VPVB assessment</b>	The substance is predicted to have high mobility in soil.
		Completely miscible with water. Low log Kow:-0.82 to 0.64 (Hansch and Leo 1979)
12.6	<b>Other adverse effects</b>	None of the substances in this product fulfil the criteria for being regarded as a PBT or vPvB substance.
		None known

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### SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	Dispose of this material and its container as hazardous waste. 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. Decontaminate empty containers before recycling.
13.2	Additional Information	Disposal should be in accordance with local, state or national legislation.

### SECTION 14: TRANSPORT INFORMATION

Not classified according to the United Nations 'Recommendations on the Transport of Dangerous Goods'.

	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	Not restricted
	CoRAP Substance Evaluation	Methanol (2012)
15.1.2	National regulations	
	Wassergefährdungsklasse (Germany)	Water hazard class: 1 (Self classification)
15.2	Chemical Safety Assessment	A chemical safety assessment is not required under REACH.

### SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: Not applicable – V1.0

**References:** Safety Data Sheets for ingoing ingredients. Harmonised Classification(s) for Methanol (CAS No. 67-56-1). Existing ECHA registration for C12-C16 ALKYL DIMETHYL BENZYL AMMONIUM CHLORIDE (CAS No. 68424-85-1) and Methanol (CAS No. 67-56-1).

**Literature References:**

- 1) Hansch and Leo 1979, Substituent constants for correlation analysis in chemistry and biology, John Wiley & Sons, New York
- 2) Wagner, R., 1976, Untersuchungen über das Abbauverhalten organischer Stoffe mit Hilfe der respirometrischen Verdünnungsmethode. II. Die Abbaukinetik der Testsubstanzen, Vom Wasser 47: 241-265.

EU Classification: This Safety Data Sheet was prepared in accordance with EC Regulation (EC) 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830.

Classification of the substance or mixture According to Regulation (EC) No. 1272/2008 (CLP).	Classification Procedure
Carc. 1B; H350	Threshold Calculation

#### LEGEND

LTEL	Long Term Exposure Limit
STEL	Short Term Exposure Limit
DNEL	Derived No Effect Level
PNEC	Predicted No Effect Concentration

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PBT	PBT: Persistent, Bioaccumulative and Toxic
vPvB	vPvT: very Persistent and very Toxic
OECD	Organisation for Economic Cooperation and Development
LOAEC	Lowest observed adverse effect concentration
NOAEL	No Observed Adverse Effect Level
NOAEC	no observed adverse effect concentration

### Hazard classification / Classification code:

Flam. Liq. 2; Flammable Liquid, Category 2  
Flam. Liq. 3; Flammable Liquid, Category 3  
Acute Tox. 3; Acute toxicity, Category 3  
Acute Tox. 4; Acute toxicity, Category 4  
Acute Tox. 3; Acute toxicity, Category 3  
Skin Corr. 1B; Skin corrosion/irritation, Category 1B  
Eye Dam. 1; Serious eye damage/irritation, Category 1  
Acute Tox. 3; Acute toxicity, Category 3  
Carc. 1B; Carcinogenicity, Category 1B  
STOT SE 1; Specific target organ toxicity — single exposure, Category 1  
Aquatic Acute 1; Hazardous to the aquatic environment, Acute, Category 1  
Aquatic Chronic 1; Hazardous to the aquatic environment, Chronic, Category 1

### Hazard Statement(s)

H225: Highly flammable liquid and vapour.  
H226: Flammable liquid and vapour.  
H301: Toxic if swallowed.  
H302: Harmful if swallowed.  
H311: Toxic in contact with skin.  
H314: Causes severe skin burns and eye damage.  
H318: Causes serious eye damage.  
H331: Toxic if inhaled.  
H350: May cause cancer.  
H370: Causes damage to organs.  
H400: Very toxic to aquatic life.  
H410: Very toxic to aquatic life with long lasting effects.

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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