

## SAFETY DATA SHEET

BIO OIL DIGESTER

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Compilation date: 23/03/2015

Revision No: 1

### Section 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

**Product name:** BIO OIL DIGESTER

**Product code:** 593

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

**Use of substance / mixture:** PC8: Biocidal products (e.g. Disinfectants, pest control).

#### 1.3. Details of the supplier of the safety data sheet

**Company name:** Tensid UK Ltd  
Unit 1 Craven Court  
Canada Road  
Byfleet  
Surrey  
KT14 7JL  
United Kingdom

**Tel:** +44 (0)1932 564 133

**Fax:** +44 (0)1932 562 046

**Email:** [info@tensid.com](mailto:info@tensid.com)

#### 1.4. Emergency telephone number

**Emergency tel:** +44 (0)1932 564 133

### Section 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**Classification under CLP:** Eye Dam. 1: H318; Skin Irrit. 2: H315

**Most important adverse effects:** Causes skin irritation. Causes serious eye damage.

#### 2.2. Label elements

**Label elements:**

**Hazard statements:** H315: Causes skin irritation.

H318: Causes serious eye damage.

**Signal words:** Danger

**Hazard pictograms:** GHS05: Corrosion



**Precautionary statements:** P280: Wear protective gloves/eye protection.

P302+352: IF ON SKIN: Wash with plenty of water/soap and water.

[cont...]

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P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

### 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

ALCOHOLS, C12-13-BRANCHED AND LINEAR, ETHOXYLATED

EINECS	CAS	PBT / WEL	CLP Classification	Percent
931-954-4	160901-19-9	-	Acute Tox. 4: H302; Eye Dam. 1: H318	1-10%

3-BUTOXYPROPAN-2-OL

225-878-4	5131-66-8	-	Eye Irrit. 2: H319; Skin Irrit. 2: H315	1-10%
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BENZENE SULPHONIC ACID, 4-C10-13-SEC-ALKYL DERIVS.

287-494-3	85536-14-7	-	Skin Corr. 1C: H314; Acute Tox. 4: H302	1-10%
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C12-C15 ALCOHOL ETHOXYLATE WITH 3MEO

-	106232-83-1	-	Aquatic Acute 1: H400; Eye Dam. 1: H318	<1%
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## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. Consult a doctor.

**Eye contact:** Bathe the eye with running water for 15 minutes. Consult a doctor.

**Ingestion:** Wash out mouth with water. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat.

**Inhalation:** Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Delayed effects can be expected after long-term exposure.

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

**Immediate / special treatment:** Not applicable.

[cont...]

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## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

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

**Exposure hazards:** In combustion emits toxic fumes.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

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

**Personal precautions:** Do not attempt to take action without suitable protective clothing - see section 8 of SDS.  
Turn leaking containers leak-side up to prevent the escape of liquid.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Avoid direct contact with the substance. Avoid the formation or spread of mists in the air.

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

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Workplace exposure limits:** No data available.

### DNEL/PNEC Values

[cont...]

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**Hazardous ingredients:**

## BENZENE SULPHONIC ACID, 4-C10-13-SEC-ALKYL DERIVS.

Type	Exposure	Value	Population	Effect
DNEL	Dermal, long-term exposure	170 mg/kg	Workers	Systemic
DNEL	Inhalation, long-term exposure	12 mg/m <sup>3</sup>	Workers	Systemic
DNEL	Inhalation, long-term exposure	12 mg/m <sup>3</sup>	Workers	Local
DNEL	Dermal, long-term exposure	85 mg/kg	Consumers	Systemic
DNEL	Inhalation, long-term exposure	3 mg/m <sup>3</sup>	Consumers	Systemic
DNEL	Oral, long-term exposure	0.85 mg/kg	Consumers	Systemic
DNEL	inhalation, long-term exposure	3 mg/m <sup>3</sup>	Consumers	Local
PNEC	Fresh water	0.287 mg/l	-	-
PNEC	Marine water	0.0287 mg/l	-	-
PNEC	Intermittent release	0.0167 mg/l	-	-
PNEC	Treatment plant	3.43 mg/l	-	-
PNEC	Fresh water sediments	0.287 mg/kg	-	-
PNEC	Marine sediments	0.287 mg/kg	-	-
PNEC	Soil (agricultura)	35 mg/kg	-	-
PNEC	Food chain	not relevant	-	-

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Impermeable gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Impermeable protective clothing.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Liquid

**Colour:** Cream

**Relative density:** 1.00 - 1.02

**pH:** 8.5 - 9.5

### 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

[cont...]

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## 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

## 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.  
Decomposition may occur on exposure to conditions or materials listed below.

## 10.4. Conditions to avoid

**Conditions to avoid:** Heat.

## 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids.

## 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Hazardous ingredients:**

#### ALCOHOLS, C12-13-BRANCHED AND LINEAR, ETHOXYLATED

DERMAL	RAT	LD50	>2000	mg/kg
ORAL	RAT	LD50	>300-2000	mg/kg

#### 3-BUTOXYPROPAN-2-OL

SKN	RBT	LD50	3100	mg/kg
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#### BENZENE SULPHONIC ACID, 4-C10-13-SEC-ALKYL DERIVS.

DERMAL	RAT	LD50	>2000	mg/kg
ORAL	RAT	LD50	650	mg/kg

#### C12-C15 ALCOHOL ETHOXYLATE WITH 3MEO

ORAL	RAT	LD50	2001	mg/kg
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**Relevant hazards for substance:**

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated

### Symptoms / routes of exposure

**Skin contact:** There may be irritation and redness at the site of contact.

**Eye contact:** There may be irritation and redness. The eyes may water profusely.

**Ingestion:** There may be soreness and redness of the mouth and throat.

[cont...]

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**Inhalation:** Exposure may cause coughing or wheezing.

**Delayed / immediate effects:** Delayed effects can be expected after long-term exposure.

### Section 12: Ecological information

#### 12.1. Toxicity

**Hazardous ingredients:**

##### ALCOHOLS, C12-13-BRANCHED AND LINEAR, ETHOXYLATED

Daphnia magna	48H EC50	>1-10	mg/l
FISH (Cyprinus carpo)	96H LC50	>1-10	mg/l
GREEN ALGA (Selenastrum capricornutum)	72H ErC50	>1-10	mg/l

##### BENZENE SULPHONIC ACID, 4-C10-13-SEC-ALKYL DERIVS.

Daphnia magna (Water flea)	48H EC50	>1 - 10	mg/l
Eisenia fetida (earthworms)	14d LC50	>1000	mg/kg
Elimia	NOEC (32d)	>1 - 10	mg/l
Elodea canadensis	NOEC (28d)	>4	mg/l
Helianthis annuus	21d EC50	289	mg/kg
Lepomis macrochirus (Bluegill sunfish)	96H LC50	>1 - 10	mg/l
Lepomis macrochirus (Bluegill sunfish)	NOEC (28d)	1	mg/l
Phaseolus aureus	21d EC50	316	mg/kg
Sorghum bicolor	21d EC50	167	mg/kg

##### C12-C15 ALCOHOL ETHOXYLATE WITH 3MEO

ALGAE	72H IC50	1 - 10	mg/l
Daphnia magna	48H EC50	1 - 10	mg/l
ZEBRAFISH (Brachydanio rerio)	96H LC50	1 - 10	mg/l

#### 12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

#### 12.4. Mobility in soil

**Mobility:** Readily absorbed into soil.

#### 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

#### 12.6. Other adverse effects

**Other adverse effects:** Negligible ecotoxicity.

[cont...]

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## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

**Transport class:** This product does not require a classification for transport.

## Section 15: Regulatory information

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

### 15.2. Chemical Safety Assessment

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H400: Very toxic to aquatic life.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.