



**SAFETY DATA SHEET**  
**Swarfega Jizer Bio**

According to Regulation (EU) No 453/2010

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

**1.1. Product identifier**

**Product name** Swarfega Jizer Bio  
**Product No.** JIB608RS, JIB60K, JIB76R

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

**Identified uses** Detergent. . For full details regarding recommended uses please refer to the product label.

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

**Supplier** Deb Ltd  
Denby Hall Way  
Denby  
Derbyshire  
DE5 8JZ  
Main Tel. 01773 855100  
Technical Tel 01773 855105  
reach@deb.co.uk

**1.4. Emergency telephone number**

National Poisons Information Service (UK) 0844 8920111

**SECTION 2: HAZARDS IDENTIFICATION**

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

**Classification (1999/45/EEC)** Xi;R38, R41.

**Environment**

The product does not meet the requirement for classification as an environmental hazard in accordance with directive 1999/45/EEC

**2.2. Label elements**

**Detergent Labelling**

5 - < 15% non-ionic surfactants  
< 5% amphoteric surfactants  
EDTA and salts thereof

**Labelling**



Irritant

**Risk Phrases**

R38 Irritating to skin.  
R41 Risk of serious damage to eyes.

**Safety Phrases**

S24/25 Avoid contact with skin and eyes.

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S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S37/39	Wear suitable gloves and eye/face protection.

**2.3. Other hazards**

This product does not contain any PBT or vPvB substances.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

<b>SODIUM METASILICATE</b>		<b>5-10%</b>
<b>CAS-No.: 6834-92-0</b>	<b>EC No.: 229-912-9</b>	
Classification (EC 1272/2008) Skin Corr. 1B - H314 STOT SE 3 - H335	Classification (67/548/EEC) C;R34. Xi;R37.	
<b>C9-C11 ALCOHOL ETHOXYLATE + 6 MOLES ETHYLENE OXIDE</b>		<b>5-10%</b>
<b>CAS-No.: 68-43-9</b>	<b>EC No.:</b>	
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Dam. 1 - H318	Classification (67/548/EEC) Xn;R22. Xi;R41.	
<b>SODIUM LAURIMINODIPROPIONATE</b>		<b>1-5%</b>
<b>CAS-No.: 14960-06-6</b>	<b>EC No.: 239-032-7</b>	
Classification (EC 1272/2008) Eye Dam. 1 - H318	Classification (67/548/EEC) Xi;R41.	
<b>DIETHANOLAMINE</b>		<b>1-5%</b>
<b>CAS-No.: 111-42-2</b>	<b>EC No.: 203-868-0</b>	
Classification (EC 1272/2008) Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT RE 2 - H373	Classification (67/548/EEC) Xn;R22,R48/22 Xi;R38,R41	
<b>TETRASODIUM ETHYLENE DIAMINE TETRAACETATE</b>		<b>0.1-1%</b>
<b>CAS-No.: 64-02-8</b>	<b>EC No.: 200-573-9</b>	<b>Registration Number: 01-2119486762-27</b>
Classification (EC 1272/2008) Acute Tox. 4 - H302 Eye Dam. 1 - H318	Classification (67/548/EEC) Xn;R22 Xi;R41	

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<b>DIHYDROXYETHYL COCAMINE OXIDE</b>		<b>0.1-1%</b>
<b>CAS-No.: 61791-47-7</b>	<b>EC No.: 263-180-1</b>	
Classification (EC 1272/2008)	Classification (67/548/EEC)	
Skin Irrit. 2 - H315	Xi;R38,R41.	
Eye Dam. 1 - H318	N;R50.	
Aquatic Acute 1 - H400		

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

#### **Inhalation**

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

#### **Ingestion**

NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Rinse mouth thoroughly. Get medical attention.

#### **Skin contact**

Remove affected person from source of contamination. Remove contaminated clothing. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

#### **Eye contact**

Remove victim immediately from source of exposure. Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes and get medical attention.

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

#### **Inhalation**

Irritation of nose, throat and airway.

#### **Ingestion**

May cause discomfort if swallowed. May cause stomach pain or vomiting.

#### **Skin contact**

Skin irritation.

#### **Eye contact**

Irritation of eyes and mucous membranes.

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

No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

## SECTION 5: FIREFIGHTING MEASURES

### 5.1. Extinguishing media

#### **Extinguishing media**

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

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

#### **Hazardous combustion products**

None under normal conditions.

### 5.3. Advice for firefighters

#### **Special Fire Fighting Procedures**

No specific fire fighting procedure given.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Wear protective clothing as described in Section 8 of this safety data sheet.

### 6.2. Environmental precautions

Collect and dispose of spillage as indicated in section 13. Avoid discharge to the aquatic environment.

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

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush with plenty of water to clean spillage area. Do not let washing down water contaminate ponds or waterways.

### 6.4. Reference to other sections

For personal protection, see section 8. For waste disposal, see section 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Avoid spilling, skin and eye contact.

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

Store in closed original container at temperatures between 0°C and 40°C.

#### **Storage Class**

Chemical storage.

### 7.3. 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

#### **Ingredient Comments**

EU = Indicative Values according to Commission Directive 91/322/EEC.

#### TETRASODIUM ETHYLENE DIAMINE TETRAACETATE (CAS: 64-02-8)

<b>DNEL</b>				
Professional	Inhalation.	Short Term	Systemic Effects	2.8 mg/m <sup>3</sup>
Consumer	Inhalation.	Short Term	Systemic Effects	1.5 mg/m <sup>3</sup>
Consumer	Oral	Long Term	Systemic Effects	28 mg/kg/day
Professional	Inhalation.	Long Term	Systemic Effects	2.5 mg/m <sup>3</sup>
Professional	Inhalation.	Long Term	Local Effects	2.5 mg/m <sup>3</sup>
Professional	Inhalation.	Short Term	Systemic Effects	2.5 mg/m <sup>3</sup>
Professional	Inhalation.	Short Term	Local Effects	2.5 mg/m <sup>3</sup>
Consumer	Inhalation.	Long Term	Local Effects	1.5 mg/m <sup>3</sup>
<b>PNEC</b>				
Freshwater	2.2	mg/l		
Marinewater	0.22	mg/l		
Intermittent release	1.2	mg/l		
STP	43	mg/l		
Soil	0.72	mg/kg		

### 8.2. Exposure controls

#### **Protective equipment**



#### **Hand protection**

Use suitable protective gloves if risk of skin contact. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Use protective gloves made of: Neoprene, nitrile, polyethylene or PVC.

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**Eye protection**

If risk of splashing, wear safety goggles or face shield.

**Other Protection**

Wear appropriate clothing to prevent any possibility of skin contact.

**Hygiene measures**

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

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**SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**


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

<b>Appearance</b>	Clear liquid.
<b>Colour</b>	Green.
<b>Odour</b>	Characteristic.
<b>Solubility</b>	Soluble in water.
<b>Initial boiling point and boiling range (°C)</b>	
	Not determined.
<b>Melting point (°C)</b>	
	Not determined.
<b>Relative density</b>	1.045-1.060 at 25 deg C
<b>Vapour density (air=1)</b>	
	Not determined.
<b>Vapour pressure</b>	
	Not determined.
<b>Evaporation rate</b>	
	Not determined.
<b>Viscosity</b>	
	Not determined.
<b>Decomposition temperature (°C)</b>	
	Not determined.
<b>Odour Threshold, Lower</b>	
	Not determined.
<b>Odour Threshold, Upper</b>	
	Not determined.
<b>Flash point (°C)</b>	
	Not determined.
<b>Auto Ignition Temperature (°C)</b>	
	Scientifically unjustified.
<b>Flammability Limit - Lower(%)</b>	
	Scientifically unjustified.
<b>Flammability Limit - Upper(%)</b>	
	Scientifically unjustified.
<b>Partition Coefficient (N-Octanol/Water)</b>	
	Scientifically unjustified.
<b>Explosive properties</b>	
	Scientifically unjustified.
<b>Oxidising properties</b>	
	Does not meet the criteria for oxidising.

**9.2. Other information**

Not relevant

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**SECTION 10: STABILITY AND REACTIVITY**


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**10.1. Reactivity**

## Swarfega Jizer Bio

Reaction with: Acids.

### 10.2. Chemical stability

Stable under normal temperature conditions.

### 10.3. Possibility of hazardous reactions

Not applicable.

### 10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time. Avoid frost.

### 10.5. Incompatible materials

#### **Materials To Avoid**

Strong acids.

### 10.6. Hazardous decomposition products

None under normal conditions.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1. Information on toxicological effects

#### **Acute toxicity:**

Based on available data the classification criteria are not met.

#### **Skin Corrosion/Irritation:**

Slightly irritating.

#### **Serious eye damage/irritation:**

Based on available data the classification criteria are not met.

#### **Respiratory or skin sensitisation:**

Based on available data the classification criteria are not met.

#### **Germ cell mutagenicity:**

Based on available data the classification criteria are not met.

#### **Carcinogenicity:**

Does not contain any substances known to be carcinogenic.

#### **Reproductive Toxicity:**

Does not contain any substances known to be toxic to reproduction.

#### **Specific target organ toxicity - single exposure:**

Not classified as a specific target organ toxicant after a single exposure.

#### **Specific target organ toxicity - repeated exposure:**

Not classified as a specific target organ toxicant after repeated exposure.

#### **Aspiration hazard:**

Not anticipated to present an aspiration hazard based on chemical structure.

#### **Inhalation**

May cause irritation to the respiratory system.

#### **Ingestion**

May cause discomfort if swallowed.

#### **Skin contact**

Irritating to skin.

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**Eye contact**

Irritating to eyes.

**Toxicological information on ingredients.****DIETHANOLAMINE (CAS: 111-42-2)****Toxic Dose 1 - LD 50**

3.58-12.7 mg/kg (oral rat)

**SODIUM METASILICATE (CAS: 6834-92-0)****Toxic Dose 1 - LD 50**

1260 mg/kg (oral rat)

**Toxic Dose 2 - LD 50**

770 mg/kg (oral-mouse)

**SODIUM LAURIMINODIPROPIONATE (CAS: 14960-06-6)****Toxic Dose 1 - LD 50**

>2000 mg/kg (oral rat)

**C9-C11 ALCOHOL ETHOXYLATE + 6 MOLES ETHYLENE OXIDE (CAS: 68-43-9)****Toxic Dose 1 - LD 50**

>300<2000 mg/kg (oral rat)

**Acute toxicity:****Acute Toxicity (Dermal LD50)**

> 2000 mg/kg Rat

**SECTION 12: ECOLOGICAL INFORMATION****Ecotoxicity**

The product components are not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. The product does not meet the requirement for classification as an environmental hazard in accordance with directive 1999/45/EEC

**12.1. Toxicity**

The product does not meet the requirement for classification as an environmental hazard in accordance with directive 1999/45/EEC

**12.2. Persistence and degradability****Degradability**

The surfactant(s) contained in this preparation 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.

**Partition coefficient**

Scientifically unjustified.

**12.4. Mobility in soil****Mobility:**

The product is soluble in water. The product is non-volatile.

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

None known.

**12.6. Other adverse effects**

None known.

**SECTION 13: DISPOSAL CONSIDERATIONS**

## Swarfega Jizer Bio

### General information

Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

#### 13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. No specific disposal method required. Recover and reclaim or recycle, if practical.

### SECTION 14: TRANSPORT INFORMATION

**Road Transport Notes**            Not Classified

**Rail Transport Notes**        Not classified.

**Sea Transport Notes**        Not classified.

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

#### 14.3. Transport hazard class(es)

Not applicable.

#### 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 MARPOL73/78 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**

Dangerous Substance Directive 67/548/EEC. Dangerous Preparations Directive 1999/45/EC. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

#### 15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

### SECTION 16: OTHER INFORMATION



**Swarfega Jizer Bio****General information**

Only trained personnel should use this material.

**Revision Comments**

New REACH Annex 2 Compliant MSDS

**Revision Date** 08/01/2013

**Revision** 3

**Supersedes date** 18/05/2011

**Risk Phrases In Full**

R34	Causes burns.
R22	Harmful if swallowed.
R48/22	Harmful: danger of serious damage to health by prolonged exposure if swallowed.
R37	Irritating to respiratory system.
R38	Irritating to skin.
R41	Risk of serious damage to eyes.
R50	Very toxic to aquatic organisms.

**Hazard Statements In Full**

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H373	May cause damage to organs <<Organs>> through prolonged or repeated exposure.
H400	Very toxic to aquatic life.

**Notes for Risk Phrases and Hazard Statements in Full**

The full text for Risk Phrases and Hazard Statements in section 16 relates to the reference numbers in sections 2 and 3 and not necessarily the finished product classification.

**Disclaimer**

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.