

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

According to Regulation (EC) No 1907/2006, Annex II, as amended.

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

**Product name** Swarfega Jizer Bio  
**Product number** JIB608RS, JIB60K, JIB76R, 692609

**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** SC Johnson Professional Ltd  
Denby Hall Way  
Denby  
Derbyshire  
DE5 8JZ  
+44 (0) 1773 855100  
sdsuk@scj.com

**1.4. Emergency telephone number**

**Emergency telephone** National Poisons Information Service (UK) 0344 8920111 (Health Professionals only)  
National Poisons Information Centre (Eire) 01-8092566/8379964

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Classification (EC 1272/2008)**

**Physical hazards** Not Classified  
**Health hazards** Skin Corr. 1C - H314 Eye Dam. 1 - H318  
**Environmental hazards** Not Classified

**2.2. Label elements****Pictogram**

**Signal word** Danger  
**Hazard statements** H314 Causes severe skin burns and eye damage.

## Swarfega Jizer Bio

<b>Precautionary statements</b>	<p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.  P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.  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/ doctor.  P501 Dispose of contents/ container in accordance with national regulations.</p>
<b>Contains</b>	SODIUM METASILICATE, C9-C11 ALCOHOL ETHOXYLATE ( 6MEO), REACTION PRODUCTS OF C12-18-(EVEN NUMBERED)-ALKYLAMINES & ACRYLIC ACID & SODIUM HYDROXIDE, DIETHANOLAMINE
<b>Detergent labelling</b>	5 - < 15% non-ionic surfactants, < 5% amphoteric surfactants, < 5% EDTA and salts thereof
<b>Supplementary precautionary statements</b>	P405 Store locked up.

### 2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

<b>SODIUM METASILICATE</b>	<b>1-10%</b>
CAS number: 6834-92-0	EC number: 229-912-9
	REACH registration number: 01-2119449811-37-XXXX
<b>Classification</b>	
Met. Corr. 1 - H290	
Skin Corr. 1B - H314	
Eye Dam. 1 - H318	
STOT SE 3 - H335	
<b>C9-C11 ALCOHOL ETHOXYLATE ( 6MEO)</b>	<b>1-10%</b>
CAS number: 68439-46-3	
<b>Classification</b>	
Acute Tox. 4 - H302	
Eye Dam. 1 - H318	
<b>REACTION PRODUCTS OF C12-18-(EVEN NUMBERED)-ALKYLAMINES &amp; ACRYLIC ACID &amp; SODIUM HYDROXIDE</b>	<b>1-10%</b>
CAS number: —	EC number: 939-647-7
	REACH registration number: 01-2119980672-29-0000
<b>Classification</b>	
Skin Irrit. 2 - H315	
Eye Dam. 1 - H318	

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<b>DIETHANOLAMINE</b>	<b>1-10%</b>
CAS number: 111-42-2	EC number: 203-868-0
<b>Classification</b> Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT RE 2 - H373 Aquatic Chronic 3 - H412	
<b>3-C12-14-(EVEN NUMBERED)-ALKYLAMIDO-N,N-DIMETHYLPROPAN-1-AMINO OXIDE</b>	<b>&lt;1%</b>
CAS number: —	EC number: 939-581-9
M factor (Acute) = 1	REACH registration number: 01-2119978229-22-XXXX
<b>Classification</b> Acute Tox. 4 - H302 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Aquatic Acute 1 - H400 Aquatic Chronic 3 - H412	
<b>SODIUM HYDROXIDE</b>	<b>&lt;1%</b>
CAS number: 1310-73-2	EC number: 215-185-5
	REACH registration number: 01-2119457892-27-XXXX
<b>Classification</b> Met. Corr. 1 - H290 Skin Corr. 1A - H314 Eye Dam. 1 - H318	

The full text for all hazard statements is displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Move affected person to fresh air at once. Get medical attention if any discomfort continues.
<b>Ingestion</b>	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention.
<b>Skin contact</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.
<b>Eye contact</b>	Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

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

<b>Inhalation</b>	Irritation of nose, throat and airway.
<b>Ingestion</b>	May cause discomfort if swallowed. May cause stomach pain or vomiting.

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**Skin contact** This product is corrosive.

**Eye contact** Corrosive to skin and eyes.

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

**Notes for the doctor** No specific recommendations. If in doubt, get medical attention promptly.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

**Suitable extinguishing media** The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

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

**Hazardous combustion products** Does not decompose when used and stored as recommended.

### **5.3. Advice for firefighters**

**Protective actions during firefighting** No specific firefighting precautions known.

## **SECTION 6: Accidental release measures**

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

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

### **6.2. Environmental precautions**

**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**

**Methods for cleaning up** Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid contamination of ponds or watercourses with washing down water.

### **6.4. Reference to other sections**

**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**

**Usage precautions** Wear appropriate clothing to prevent skin contamination. Avoid contact with skin and eyes. Avoid spilling.

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

**Storage precautions** Store in closed original container at temperatures between 0°C and 30°C.

**Storage class** Chemical storage.

### **7.3. Specific end use(s)**

**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**

#### **Occupational exposure limits**

#### **SODIUM HYDROXIDE**

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

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WEL = Workplace Exposure Limit

**Ingredient comments**                      None.

### SODIUM METASILICATE (CAS: 6834-92-0)

<b>DNEL</b>	Workers - Inhalation; Long term systemic effects: 6.22 mg/m <sup>3</sup> Workers - Dermal; Long term systemic effects: 1.49 mg/kg/day General population - Inhalation; Long term systemic effects: 1.55 mg/m <sup>3</sup> General population - Dermal; Long term systemic effects: 0.74 mg/kg/day General population - Oral; Long term systemic effects: 0.74 mg/kg/day
<b>PNEC</b>	- Fresh water; 7.5 mg/l - Marine water; 1 mg/l - STP; 1000 mg/l

### REACTION PRODUCTS OF C12-18-(EVEN NUMBERED)-ALKYLAMINES & ACRYLIC ACID & SODIUM HYDROXIDE

<b>DNEL</b>	Professional - Dermal; Long term systemic effects: 5.3 mg/kg/day Professional - Inhalation; Long term systemic effects: 3.8 mg/m <sup>3</sup> Consumer - Dermal; Long term systemic effects: 2.7 mg/kg/day Consumer - Inhalation; Long term systemic effects: 0.9 mg/m <sup>3</sup> Consumer - Oral; Long term systemic effects: 0.3 mg/kg/day
<b>PNEC</b>	- Marine water; 0.0003 mg/l - Soil; 0.0041 mg/kg - Fresh water; 0.03 mg/l - Sediment (Freshwater); 0.108 mg/kg - Intermittent release; 0.042 mg/l - STP; 9.9 mg/l - Sediment (Marinewater); 0.0108 mg/kg

### DIETHANOLAMINE (CAS: 111-42-2)

<b>DNEL</b>	Workers - Inhalation; Long term local effects: 1 mg/m <sup>3</sup> Workers - Dermal; Long term systemic effects: 0.13 mg/kg/day General population - Inhalation; Long term local effects: 0.25 mg/m <sup>3</sup> General population - Dermal; Long term systemic effects: 0.07 mg/kg/day General population - Oral; Long term systemic effects: 0.06 mg/kg/day
<b>PNEC</b>	- Fresh water; 0.0022 mg/l - Marine water; 0.00022 mg/l - Intermittent release; 0.022 mg/l - Sediment (Freshwater); 0.012 mg/kg - Sediment (Marinewater); 0.0012 mg/kg - Soil; 0.0011 mg/kg - ;

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

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<b>DNEL</b>	Consumer - Inhalation; Long term local effects: 1.5 mg/m <sup>3</sup>
	Professional - Inhalation; Long term local effects: 2.5 mg/m <sup>3</sup>
	Professional - Inhalation; Long term systemic effects: 2.5 mg/m <sup>3</sup>
	Professional - Inhalation; Short term systemic effects: 2.8 mg/m <sup>3</sup>
	Consumer - Oral; Long term systemic effects: 28 mg/kg/day
	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; Short term systemic effects: 1.5 mg/m <sup>3</sup>
<b>PNEC</b>	- STP; 43 mg/l
	- Soil; 0.72 mg/kg
	- Marine water; 0.22 mg/l
	- ; Intermittent release 1.2 mg/l
	- Fresh water; 2.2 mg/l

### 3-C12-14-(EVEN NUMBERED)-ALKYLAMIDO-N,N-DIMETHYLPROPAN-1-AMINO OXIDE

<b>DNEL</b>	Workers - Inhalation; Long term systemic effects: 3.52 mg/m <sup>3</sup>
	Workers - Dermal; Long term systemic effects: 5 mg/kg/day
	Workers - Dermal; Long term local effects: 0.27 %
	General population - Inhalation; Long term systemic effects: 0.87 mg/m <sup>3</sup>
	General population - Dermal; Long term systemic effects: 2.5 mg/kg/day
	General population - Dermal; Long term local effects: 0.27 %
	General population - Oral; Long term systemic effects: 0.25 mg/kg/day
<b>PNEC</b>	- Fresh water; 30.3 µg/L
	- Marine water; 3.04 µg/L
	- Intermittent release; 3.4 µg/L
	- STP; 9.7 mg/l
	- Sediment (Freshwater); 0.214 mg/kg
	- Sediment (Marinewater); 0.021 mg/kg
- Soil; 0.025 µg/kg	

### SODIUM HYDROXIDE (CAS: 1310-73-2)

<b>DNEL</b>	Industry - Inhalation; Long term local effects: 1 mg/m <sup>3</sup>
	Consumer - Inhalation; Long term local effects: 1 mg/m <sup>3</sup>

## 8.2. Exposure controls

### Protective equipment



### Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Wear tight-fitting, chemical splash goggles or face shield. Personal protective equipment for eye and face protection should comply with European Standard EN166.

### Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. Wear protective gloves made of the following material: Neoprene. Nitrile rubber. Polyethylene. Polyvinyl chloride (PVC).

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<b>Other skin and body protection</b>	Wear appropriate clothing to prevent any possibility of skin contact.
<b>Hygiene measures</b>	Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated.

### SECTION 9: Physical and Chemical Properties

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

<b>Appearance</b>	Clear liquid.
<b>Colour</b>	Green.
<b>Odour</b>	Characteristic.
<b>Odour threshold</b>	Not determined.
<b>pH</b>	Not determined.
<b>Melting point</b>	Not determined.
<b>Initial boiling point and range</b>	Not determined.
<b>Flash point</b>	Not determined.
<b>Evaporation rate</b>	Not determined.
<b>Upper/lower flammability or explosive limits</b>	Not applicable.
<b>Vapour pressure</b>	Not determined.
<b>Vapour density</b>	Not determined.
<b>Relative density</b>	1.045-1.060 @ at 25 deg C°C
<b>Solubility(ies)</b>	Soluble in water.
<b>Auto-ignition temperature</b>	Scientifically unjustified.
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	Not determined.
<b>Explosive properties</b>	Scientifically unjustified.
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.

#### 9.2. Other information

<b>Other information</b>	Not relevant.
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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
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#### 10.2. Chemical stability

<b>Stability</b>	Stable at normal ambient temperatures.
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#### 10.3. Possibility of hazardous reactions

<b>Possibility of hazardous reactions</b>	Not applicable.
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### 10.4. Conditions to avoid

**Conditions to avoid** Avoid excessive heat for prolonged periods of time. Avoid freezing.

### 10.5. Incompatible materials

**Materials to avoid** Avoid contact with acids and alkalis.

### 10.6. Hazardous decomposition products

**Hazardous decomposition products** Does not decompose when used and stored as recommended.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE oral (mg/kg)** 7,142.86

#### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

#### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met.

#### Skin corrosion/irritation

**Skin corrosion/irritation** Corrosive to skin.

#### Serious eye damage/irritation

**Serious eye damage/irritation** Based on available data the classification criteria are not met.

#### Respiratory sensitisation

**Respiratory sensitisation** Based on available data the classification criteria are not met.

#### Skin sensitisation

**Skin sensitisation** Based on available data the classification criteria are not met.

#### Germ cell mutagenicity

**Genotoxicity - in vivo** Based on available data the classification criteria are not met.

#### Carcinogenicity

**Carcinogenicity** Does not contain any substances known to be carcinogenic.

#### Reproductive toxicity

**Reproductive toxicity - fertility** Does not contain any substances known to be toxic to reproduction.

#### Specific target organ toxicity - single exposure

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

#### Specific target organ toxicity - repeated exposure

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

#### Aspiration hazard

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

**Inhalation** May cause respiratory system irritation.

**Ingestion** May cause discomfort if swallowed.



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**Skin contact**                      Irritating to skin.  
**Eye contact**                      Irritating to eyes.

### Toxicological information on ingredients.

#### SODIUM METASILICATE

##### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)**                      LD50 1152 1349 mg/kg bw Rat

##### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)**                      LD50 > 5000 mg/kg bw Rat

##### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)**                      LC50 > 2.06 mg/L air Rat

##### Skin corrosion/irritation

**Animal data**                              Primary dermal irritation index: 8

#### C9-C11 ALCOHOL ETHOXYLATE ( 6MEO)

##### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub>)** 2,000.0  
mg/kg)

**Species**                                      Rat

#### REACTION PRODUCTS OF C12-18-(EVEN NUMBERED)-ALKYLAMINES & ACRYLIC ACID & SODIUM HYDROXIDE

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub>)** 31,300.0  
mg/kg)

**Species**                                      Rat Rat

**ATE oral (mg/kg)**                      31,300.0

##### Acute toxicity - dermal

**Acute toxicity dermal (LD<sub>50</sub>)** 5,000.0  
mg/kg)

**Species**                                      Rat Rat

**ATE dermal (mg/kg)**                      5,000.0

#### DIETHANOLAMINE

##### Acute toxicity - oral

**Acute toxicity oral (LD<sub>50</sub>)** 1,100.0  
mg/kg)

**Species**                                      Rat

**ATE oral (mg/kg)**                      500.0

##### Skin corrosion/irritation

**Animal data**                              Erythema/eschar score: Very slight erythema - barely perceptible (1).

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### Skin sensitisation

#### Skin sensitisation

Guinea pig maximization test (GPMT) - Guinea pig: Not sensitising.

## SECTION 12: Ecological Information

**Ecotoxicity** The product is not expected to be hazardous to the environment.

### 12.1. Toxicity

**Toxicity** The product is not expected to be toxic to aquatic organisms.

### 12.2. Persistence and degradability

**Persistence and degradability** The surfactant(s) contained in this product 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.

### 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

**Results of PBT and vPvB assessment** None known.

### 12.6. Other adverse effects

**Other adverse effects** None known.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

**General information** Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. No specific disposal method required. Reuse or recycle products wherever possible.

## SECTION 14: Transport information

### 14.1. UN number

**UN No. (ADR/RID)** 1719

**UN No. (IMDG)** 1719

**UN No. (ICAO)** 1719

**UN No. (ADN)** 1719

### 14.2. UN proper shipping name

**Proper shipping name (ADR/RID)** CAUSTIC ALKALI LIQUID, N.O.S. (CONTAINS DIHYDROXYETHYL COCAMINE OXIDE, SODIUM METASILICATE)

**Proper shipping name (IMDG)** CAUSTIC ALKALI LIQUID, N.O.S. (CONTAINS DIHYDROXYETHYL COCAMINE OXIDE, SODIUM METASILICATE)

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**Proper shipping name (ICAO)** CAUSTIC ALKALI LIQUID, N.O.S. (CONTAINS DIHYDROXYETHYL COCAMINE OXIDE, SODIUM METASILICATE)

**Proper shipping name (ADN)** CAUSTIC ALKALI LIQUID, N.O.S. (CONTAINS DIHYDROXYETHYL COCAMINE OXIDE, SODIUM METASILICATE)

### 14.3. Transport hazard class(es)

ADR/RID class	8
ADR/RID classification code	C5
ADR/RID label	8
IMDG class	8
ICAO class/division	8
ADN class	8

### Transport labels



### 14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ADN packing group	III
ICAO packing group	III

### 14.5. Environmental hazards

**Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

EmS	F-A, S-B
ADR transport category	3
Emergency Action Code	2R
Hazard Identification Number (ADR/RID)	80
Tunnel restriction code	(E)

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

**Transport in bulk according to** Not applicable.

**Annex II of MARPOL 73/78 and the IBC Code**

## SECTION 15: Regulatory information

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

## Swarfega Jizer Bio

**EU legislation** 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) (as amended).  
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 (as amended).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

### SECTION 16: Other information

<b>General information</b>	Only trained personnel should use this material.
<b>Key literature references and sources for data</b>	Where Exposure Scenarios for the substances listed in Section 3 are available they have been assessed for the uses identified in this data sheet or on the product label and the appropriate relevant information is incorporated into this Safety Data Sheet.
<b>Revision comments</b>	Revision of information NOTE: Lines within the margin indicate significant changes from the previous revision.
<b>Revision date</b>	09/01/2018
<b>Revision</b>	7
<b>Supersedes date</b>	23/05/2017
<b>Hazard statements in full</b>	H290 May be corrosive to metals. 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 through prolonged or repeated exposure. H400 Very toxic to aquatic life. H412 Harmful to aquatic life with long lasting effects.
<b>Notes for Hazard Statements in Full</b>	The full text for Hazard Statements in section 16 relates to the reference numbers in sections 2 and 3 and not necessarily the finished product classification.

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.