

0844 848 3444 0844 848 3445 sales@tiger-supplies.co.uk

SAFETY DATA SHEET

Swarfega Jizer Bio

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

1.4. Emergency telephone number

Emergency telephone

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Not Classified Physical hazards

Health hazards Skin Corr. 1C - H314 Eye Dam. 1 - H318

Environmental hazards Not Classified

Classification (67/548/EEC or Xi;R38,R41.

1999/45/EC)

Environmental The product does not meet the requirement for classification as an environmental hazard in

accordance with directive 1999/45/EEC

2.2. Label elements

Pictogram



Signal word Danger

Hazard statements H314 Causes severe skin burns and eye damage.

Swarfega Jizer Bio

Precautionary statements 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/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.

Contains C9-C11 ALCOHOL ETHOXYLATE (6MEO), SODIUM METASILICATE, REACTION

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

HYDROXIDE, DIETHANOLAMINE

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

Supplementary precautionary P405 Store locked up.

statements

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

C9-C11 ALCOHOL ETHOXYLATE (6MEO)

5-10%

CAS number: 68439-46-3

Classification Classification (67/548/EEC or 1999/45/EC)

Eye Dam. 1 - H318 Xn;R22. Xi;R41.

Acute Tox. 4 - H302

1-5% SODIUM METASILICATE

CAS number: 6834-92-0 EC number: 229-912-9 REACH registration number: 01-

2119449811-37-XXXX

Classification Classification (67/548/EEC or 1999/45/EC)

Met. Corr. 1 - H290 C;R34. Xi;R37.

Skin Corr. 1B - H314 Eve Dam. 1 - H318 STOT SE 3 - H335

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

1-5%

EC number: 939-647-7 REACH registration number: 01-CAS number: -

2119980672-29-0000

Classification Classification (67/548/EEC or 1999/45/EC)

Skin Irrit. 2 - H315 Xi;R41,R38.

Eye Dam. 1 - H318

Swarfega Jizer Bio

DIETHANOLAMINE 1-5%

CAS number: 111-42-2 EC number: 203-868-0

Classification Classification (67/548/EEC or 1999/45/EC)

Acute Tox. 4 - H302 Xn;R22,R48/22 Xi;R38,R41

Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT RE 2 - H373 Aquatic Chronic 3 - H412

DIHYDROXYETHYL COCAMINE OXIDE

<1%

M factor (Acute) = 1

Classification Classification (67/548/EEC or 1999/45/EC)

Skin Irrit. 2 - H315 Xi;R38,R41. N;R50.

Eye Dam. 1 - H318 Aquatic Acute 1 - H400

SODIUM HYDROXIDE <1%

CAS number: 1310-73-2 EC number: 215-185-5 REACH registration number: 01-

2119457892-27-XXXX

Classification Classification (67/548/EEC or 1999/45/EC)

Met. Corr. 1 - H290 C;R35

Skin Corr. 1A - H314 Eye Dam. 1 - H318

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 affected person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse

mouth thoroughly with water. Get medical attention.

Skin contact Remove affected person from source of contamination. Remove contaminated clothing. Wash

skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

Eye contact 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

Inhalation Irritation of nose, throat and airway.

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

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

Swarfega Jizer Bio

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 Avoid spilling. Avoid contact with skin and eyes.

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/m³

WEL = Workplace Exposure Limit

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

SODIUM METASILICATE (CAS: 6834-92-0)

Swarfega Jizer Bio

DNEL Workers - Inhalation; Long term systemic effects: 6.22 mg/m³

Workers - Dermal; Long term systemic effects: 1.49 mg/kg/day

General population - Inhalation; Long term systemic effects: 1.55 mg/m³ General population - Dermal; Long term systemic effects: 0.74 mg/kg/day General population - Oral; Long term systemic effects: 0.74 mg/kg/day

PNEC - 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

DNEL Professional - Dermal; Long term systemic effects: 5.3 mg/kg/day

Professional - Inhalation; Long term systemic effects: 3.8 mg/m³ Consumer - Dermal; Long term systemic effects: 2.7 mg/kg/day Consumer - Inhalation; Long term systemic effects: 0.9 mg/m³ Consumer - Oral; Long term systemic effects: 0.3 mg/kg/day

PNEC - Marine water; 0.0003 mg/l

Soil; 0.0041 mg/kgFresh water; 0.03 mg/l

Sediment (Freshwater); 0.108 mg/kgIntermittent release; 0.042 mg/l

- STP; 9.9 mg/l

- Sediment (Marinewater); 0.0108 mg/kg

DIETHANOLAMINE (CAS: 111-42-2)

DNEL Workers - Inhalation; Long term local effects: 1 mg/m³

Workers - Dermal; Long term systemic effects: 0.13 mg/kg/day General population - Inhalation; Long term local effects: 0.25 mg/m³ General population - Dermal; Long term systemic effects: 0.07 mg/kg/day General population - Oral; Long term systemic effects: 0.06 mg/kg/day

PNEC - 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)

DNEL Consumer - Oral; Long term systemic effects: 28 mg/kg/day

Professional - Inhalation; Short term systemic effects: 2.8 mg/m³ Professional - Inhalation; Long term local effects: 2.5 mg/m³ Consumer - Inhalation; Short term systemic effects: 1.5 mg/m³ Professional - Inhalation; Long term systemic effects: 2.5 mg/m³ Consumer - Inhalation; Long term local effects: 1.5 mg/m³ Professional - Inhalation; Short term systemic effects: 2.5 mg/m³ Professional - Inhalation; Short term local effects: 2.5 mg/m³

Swarfega Jizer Bio

PNEC - Fresh water; 2.2 mg/l

Soil; 0.72 mg/kgSTP; 43 mg/l

Marine water; 0.22 mg/l; Intermittent release 1.2 mg/l

SODIUM HYDROXIDE (CAS: 1310-73-2)

DNEL Industry - Inhalation; Long term local effects: 1 mg/m³
Consumer - Inhalation; Long term local effects: 1 mg/m³

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: Chemical splash goggles or

face shield.

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).

Other skin and body

protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures Wash hands 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

Appearance Clear liquid.

Colour Green.

Odour Characteristic.

Odour threshold Not determined. Not determined.

pH Not determined.

Melting point Not determined.

Initial boiling point and range Not determined.

Flash point Not determined.

Evaporation rate Not determined.

Upper/lower flammability or

explosive limits

Scientifically unjustified. : : Scientifically unjustified.

Vapour pressure Not determined.

Vapour density Not determined.

Swarfega Jizer Bio

Relative density 1.045-1.060 @ at 25 deg C°C

Solubility(ies) Soluble in water.

Auto-ignition temperature Scientifically unjustified.

Decomposition Temperature Not determined.

Viscosity Not determined.

Explosive properties Scientifically unjustified.

Oxidising properties Does not meet the criteria for classification as oxidising.

9.2. Other information

Other information Not relevant.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity The following materials may react with the product: Acids.

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous

reactions

Not applicable.

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 Strong acids.

10.6. Hazardous decomposition products

Hazardous decomposition

Does not decompose when used and stored as recommended.

products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 7,142.85714286

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.

Skin sensitisation

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

Germ cell mutagenicity

Genotoxicity - in vivoBased on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity Does not contain any substances known to be carcinogenic.

Swarfega Jizer Bio

Reproductive toxicity

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

Specific target organ toxicity - single exposure

STOT - single exposureNot 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.

Skin contact Irritating to skin.

Eye contact Irritating to eyes.

Toxicological information on ingredients.

C9-C11 ALCOHOL ETHOXYLATE (6MEO)

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 2,000.0

mg/kg)

Species Rat

SODIUM METASILICATE

Acute toxicity - oral

Notes (oral LD₅₀) LD50 1152 1349 mg/kg bw Rat

Acute toxicity - dermal

Notes (dermal LD₅₀) LD50 > 5000 mg/kg bw Rat

Acute toxicity - inhalation

Notes (inhalation LC₅o) LC50 > 2.06 mg/L air Rat

Skin corrosion/irritation

Animal data Primary dermal irritation index: 8

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

Acute toxicity - oral

Acute toxicity oral (LD₅₀ 31,300.0

mg/kg)

Species Rat Rat

ATE oral (mg/kg) 31,300.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ 5,000.0

mg/kg)

Swarfega Jizer Bio

Species Rat Rat

ATE dermal (mg/kg) 5,000.0

DIETHANOLAMINE

Acute toxicity - oral

Acute toxicity oral (LD50

mg/kg)

1,100.0

Species Rat

ATE oral (mg/kg) 500.0

Skin corrosion/irritation

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

Skin sensitisation

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

SECTION 12: Ecological Information

Ecotoxicity The product components are not classified as environmentally hazardous. However, large or

frequent spills may have hazardous effects 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

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

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.

Swarfega Jizer Bio

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)

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 Ш Ш IMDG packing group ADN packing group Ш ICAO packing group Ш

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant No.

14.6. Special precautions for user

EmS F-A. S-B

Swarfega Jizer Bio

ADR transport category 3

Emergency Action Code 2R

Hazard Identification Number 80

(ADR/RID)

Tunnel restriction code (E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 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

EU legislation Dangerous Substances 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) (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

General information Only trained personnel should use this material.

Key literature references and

sources for data

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.

Revision comments Revision of information NOTE: Lines within the margin indicate significant changes from the

previous revision.

Revision date 27/01/2016

Revision 3

Supersedes date 21/10/2015

Risk phrases in full R22 Harmful if swallowed.

R34 Causes burns.

R37 Irritating to respiratory system.

R38 Irritating to skin.

R41 Risk of serious damage to eyes.

R48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.

R50 Very toxic to aquatic organisms.

Swarfega Jizer Bio

Hazard statements in full 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.

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.

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.