

Version 10 / GB 102000013441

**National Poisons** 

**Information Centre Dublin** 

1/13 Revision Date: 06.02.2023 Print Date: 06.02.2023

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

1.1 Product identifier	
Trade name	BIOPOWER
Product code (UVP)	05815990
UFI	YPF0-Q0SX-000N-X8QE (for Northern Ireland only) (voluntary notification)
1.2 Relevant identified uses of	of the substance or mixture and uses advised against
Use	Adjuvant
1.3 Details of the supplier of t Supplier	<b>the safety data sheet</b> Bayer CropScience Limited 230 Cambridge Science Park Milton Road Cambridge Cambridgeshire CB4 0WB United Kingdom
Telephone	+44(0)1223 226500
Telefax	+44(0)1223 426240
Responsible Department	Email: gb-bcs-crop-regulatory-affairs@bayer.com
FOR IRELAND & NORTHERN IRELAND:	Bayer CropScience Ltd Bayer Ltd 1st Floor, The Grange Offices The Grange, Brewery Road Stillorgan Co. Dublin A94 H2K7 Ireland
Telephone	+353 1 216 3300
1.4 Emergency telephone no.	
Emergency telephone no.	00800 1020 3333 (24 hr) (not available on non-contract mobile phones)
For Medical Professionals: For Members of the Public:	You can also contact the relevant NPIS. You can also contact NHS111 (for GB) or your local GP (for Northern Ireland).

+353-1-809 2166 (available from 8 am to 10 pm every day)



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#### **SECTION 2: HAZARDS IDENTIFICATION**

#### 2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

Skin irritation: Category 2H315Causes skin irritation.

Eye irritation: Category 2H319Causes serious eye irritation.

Chronic aquatic toxicity: Category 3 H412 Harmful to aquatic life with long lasting effects.

Chronic aquatic toxicity: Category 3H412Harmful to aquatic life with long lasting effects.

#### 2.2 Label elements

Labelling in accordance with Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures, as amended.

Hazard label for supply/use required.

Hazardous components which must be listed on the label:

• Alkylethersulfate, sodium salt



Signal word: Warning

#### Hazard statements

H315	Causes skin irritation.
H319	Causes serious eye irritation.
H412	Harmful to aquatic life with long lasting effects.
EUH401	To avoid risks to human health and the environment, comply with the instructions for
	use.
EUH208	Contains 1,2-benzisothiazolin-3-one. May produce an allergic reaction.

#### **Precautionary statements**

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

- P308 + P311 IF exposed or concerned: Call a POISON CENTER/ doctor/ physician.
- P391 Collect spillage.
- P501 Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.

#### 2.3 Other hazards

No additional hazards known beside those mentioned.

Alkylethersulfate, sodium salt: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).

Ecological information: The substance/mixture does not contain components considered to



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	have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
Toxicological information:	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

# SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures

#### **Chemical nature**

Soluble concentrate (SL) Alkylethersulfate, sodium salt 276,5 g/l

#### Hazardous components

Hazard statements according to Regulation (EC) No. 1272/2008

Name	CAS-No. /	Classification	Conc. [%]
	EC-No. / REACH Reg. No.	REGULATION (EC) No 1272/2008	
Alkylethersulfate, sodium salt	68891-38-3 01-2119488639-16-XXXX	Eye Dam. 1, H318 Skin Irrit. 2, H315 Aquatic Chronic 3, H412	27
1,2-Benzisothiazol-3(2H)- one	2634-33-5 01-2120761540-60-xxxx	Acute Tox. 4, H302 Acute Tox. 2, H330 Skin Irrit. 2, H315 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411	> 0.005 - < 0.05

#### **Further information**

1,2-Benzisothiazol- 3(2H)-one	2634-33-5	M-Factor: 1 (acute)
1,2-Benzisothiazol- 3(2H)-one	2634-33-5	SCL: Skin Sens. 1; H317: SCL >= 0.05 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

#### **Particle characteristics**

This substance/ mixture does not contain nanoforms



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#### **SECTION 4: FIRST AID MEASURES**

4.1 Description of first aid measures		
General advice	Move out of dangerous area. Place and transport victim in stable position (lying sideways). Remove contaminated clothing immediately and dispose of safely.	
Inhalation	Move to fresh air. Keep patient warm and at rest. Call a physician or poison control center immediately.	
Skin contact	Wash off immediately with soap and plenty of water. Call a physician or poison control center immediately.	
Eye contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician or poison control center immediately.	
Ingestion	Do NOT induce vomiting. Rinse mouth. Call a physician or poison control center immediately.	
4.2 Most important symptoms and effects, both acute and delayed		
Symptoms	No symptoms known or expected.	
4.3 Indication of any immediate medical attention and special treatment needed		
Treatment	Treat symptomatically. In case of ingestion gastric lavage should be considered in cases of significant ingestions only within the first 2 hours. However, the application of activated charcoal and sodium sulphate is always advisable. There is no specific antidote.	

## **SECTION 5: FIREFIGHTING MEASURES**

5.1 Extinguishing media	
Suitable	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
5.2 Special hazards arising from the substance or mixture	In the event of fire the following may be released:, Carbon monoxide (CO), Sulphur oxides
5.3 Advice for firefighters	
Special protective equipment for firefighters	In the event of fire and/or explosion do not breathe fumes. In the event of fire, wear self-contained breathing apparatus.
Further information	Contain the spread of the fire-fighting media. Do not allow run-off from fire fighting to enter drains or water courses.



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#### SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures		
Precautions	Avoid contact with spilled product or contaminated surfaces. Use personal protective equipment.	
6.2 Environmental precautions	Do not allow to get into surface water, drains and ground water. If spillage enters drains leading to sewage works inform local water company immediately. If spillage enters rivers or watercourses, inform the Environment Agency (emergency telephone number 0800 807060).	
6.3 Methods and materials for containment and cleaning up		
Methods for cleaning up	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Clean contaminated floors and objects thoroughly, observing environmental regulations. Keep in suitable, closed containers for disposal.	
Additional advice	Check also for any local site procedures.	
6.4 Reference to other sections	Information regarding safe handling, see section 7. Information regarding personal protective equipment, see section 8. Information regarding waste disposal, see section 13.	

#### **SECTION 7: HANDLING AND STORAGE**

#### 7.1 Precautions for safe handling

Advice on safe handling	No specific precautions required when handling unopened packs/containers; follow relevant manual handling advice. Ensure adequate ventilation.	
Advice on protection against fire and explosion	Keep away from heat and sources of ignition.	
Hygiene measures	Avoid contact with skin, eyes and clothing. Keep working clothes separately. Wash hands before breaks and immediately after handling the product. Remove soiled clothing immediately and clean thoroughly before using again. Garments that cannot be cleaned must be destroyed (burnt).	
7.2 Conditions for safe storage, including any incompatibilities		
Requirements for storage areas and containers	Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Store in a place accessible by authorized persons only. Protect from freezing. Keep away from direct sunlight.	
Advice on common storage	Keep away from food, drink and animal feedingstuffs.	
7.3 Specific end use(s)	Refer to the label and/or leaflet.	



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#### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### 8.1 Control parameters

No known occupational limit values.

#### 8.2 Exposure controls

Refer to COSHH assessment (Control of Substances Hazardous to Health (Amendment) Regulations 2004). Engineering controls should be used in preference to personal protective equipment wherever practicable. Refer also to COSHH Essentials.

#### Personal protective equipment

In normal use and handling conditions please refer to the label and/or leaflet. In all other cases the following recommendations would apply.

Respiratory protection	Respiratory protection is not required under anticipated circumstances of exposure. Respiratory protection should only be used to control residual risk of short duration activities, when all reasonably practicable steps have been taken to reduce exposure at source e.g. containment and/or local extract ventilation. Always follow respirator manufacturer's instructions regarding wearing and maintenance.	
Hand protection	breakthrough time which ar Also take into consideration the product is used, such a contact time. Wash gloves when contam inside, when perforated or v	tions regarding permeability and re provided by the supplier of the gloves. In the specific local conditions under which is the danger of cuts, abrasion, and the inated. Dispose of when contaminated when contamination on the outside cannot requently and always before eating, the toilet. Nitrile rubber > 480 min > 0.4 mm Class 6 Protective gloves complying with EN 374.
Eye protection	Wear goggles (conforming	to EN166, Field of Use = 5 or equivalent).
Skin and body protection	Wear standard coveralls and Category 3 Type 6 suit. If there is a risk of significant exposure, consider a higher protective type suit. Wear two layers of clothing wherever possible. Polyester/cotton or cotton overalls should be worn under chemical protection suit and should be professionally laundered frequently. If chemical protection suit is splashed, sprayed or significantly contaminated, decontaminate as far as possible, then carefully remove and dispose of as advised by manufacturer.	

#### **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

9.1 Information on basic physical and chemical properties

# SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006



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Form	Liquid, slightly turbid		
Colour	colourless		
Odour	slightly acidic		
Odour Threshold	No data available		
Melting point/range	No data available		
Boiling Point	No data available		
Flammability	No data available		
Upper explosion limit	No data available		
Lower explosion limit	No data available		
Flash point	> 100 °C No flash point - Determination conducted up to the boiling point.		
Auto-ignition temperature	No data available		
Self-accelarating decomposition temperature (SADT)	No data available		
рН	4.0 - 7.0 (100 %) (23 °C)		
Viscosity, dynamic	<= 300 mPa.s (20 °C)		
Viscosity, kinematic	No data available		
Water solubility	miscible in all proportions		
Partition coefficient: n- octanol/water	Alkylethersulfate, sodium salt: log Pow: 0.3		
Surface tension	27 mN/m (25 °C)		
Vapour pressure	No data available		
Density	ca. 1.03 g/cm³ (20 °C)		
Relative density	No data available		
Relative vapour density	No data available		
Assessment nano particles	This substance/ mixture does not contain nanoforms		
Particle size	No data available		
9.2 Other information			
Explosivity	No data available		
Oxidizing properties	No data available		
Evaporation rate	No data available		
Other physico-chemical properties	Further safety related physical-chemical data are not known.		



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#### SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity 10.2 Chemical stability	Stable under normal conditions. Stable under recommended storage conditions.
10.3 Possibility of hazardous reactions	No hazardous reactions when stored and handled according to prescribed instructions.
10.4 Conditions to avoid	Extremes of temperature and direct sunlight.
10.5 Incompatible materials	Store only in the original container.
10.6 Hazardous decomposition products	No decomposition products expected under normal conditions of use.

## SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1 Information on hazard classes as defined in regulation (EC) No 1272/2008

Acute oral toxicity	ATE (Mix) >2,000 mg/kg Calculation method Acute toxicity estimate
Acute inhalation toxicity	During intended and foreseen applications, no respirable aerosol is formed.
Acute dermal toxicity	ATE (Mix) 2,000 mg/kg Calculation method
Skin corrosion/irritation	Irritating to skin. (Rabbit) Information refers to the main component.
Serious eye damage/eye irritation	Irritating to eyes. (Rabbit) Test conducted with a similar formulation.
Respiratory or skin sensitisation	Skin: Non-sensitizing. (Guinea pig) OECD Test Guideline 406, Magnusson & Kligman test Information refers to the main component.

#### Assessment STOT Specific target organ toxicity – single exposure

Alkylethersulfate, sodium salt: Based on available data, the classification criteria are not met.

#### Assessment STOT Specific target organ toxicity – repeated exposure

Alkylethersulfate, sodium salt did not cause specific target organ toxicity in experimental animal studies.

#### Assessment mutagenicity

Alkylethersulfate, sodium salt was not mutagenic or genotoxic in a battery of in vitro and in vivo tests.

#### Assessment carcinogenicity



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Alkylethersulfate, sodium salt was not carcinogenic in lifetime feeding studies in rats and mice.

#### Assessment toxicity to reproduction

Alkylethersulfate, sodium salt did not cause reproductive toxicity in a two-generation study in rats.

#### Assessment developmental toxicity

Alkylethersulfate, sodium salt did not cause developmental toxicity in rats and rabbits.

#### Aspiration hazard

Based on available data, the classification criteria are not met.

#### **Further information**

No further toxicological information is available.

#### 11.2 Information on other hazards

#### Endocrine disrupting properties

AssessmentThe substance/mixture does not contain components considered to have<br/>endocrine disrupting properties according to REACH Article 57(f) or<br/>Commission Delegated regulation (EU) 2017/2100 or Commission<br/>Regulation (EU) 2018/605 at levels of 0.1% or higher.

## **SECTION 12: ECOLOGICAL INFORMATION**

12.1 Toxicity	
Toxicity to fish	LC50 (Danio rerio (zebra fish)) 7.1 mg/l Exposure time: 96 h Information refers to the main component.
Toxicity to aquatic invertebrates	EC50 (Daphnia magna (Water flea)) 7.2 mg/l Exposure time: 48 h Information refers to the main component.
Toxicity to aquatic plants	NOEC (Desmodesmus subspicatus (green algae)) 0.93 mg/l Exposure time: 72 h Information refers to the main component.
	EC50 (Desmodesmus subspicatus (green algae)) 27 mg/l Exposure time: 72 h Information refers to the main component.
12.2 Persistence and degradability	
Biodegradability	Alkylethersulfate, sodium salt: rapidly biodegradable
Кос	Alkylethersulfate, sodium salt:No data available
12.3 Bioaccumulative potential	
Bioaccumulation	Alkylethersulfate, sodium salt: Does not bioaccumulate.
12.4 Mobility in soil	



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Mobility in soil	Alkylethersulfate, sodium salt: soluble in water
12.5 Results of PBT and vPvB assessment	
PBT and vPvB assessment	Alkylethersulfate, sodium salt: This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB).
12.6 Endocrine disrupting properties	
Assessment	The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.
12.7 Other adverse effects	
Additional ecological information	No other effects to be mentioned.

## SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Product	In accordance with current regulations and, if necessary, after consultation with the site operator and/or with the responsible authority, the product may be taken to a waste disposal site or incineration plant. Advice may be obtained from the local waste regulation authority (part of the Environment Agency in the UK).
Contaminated packaging	<ul> <li>Small containers (&lt; 10 l or &lt; 10 kg) should be rinsed thoroughly using an integrated pressure rinsing device, or, by manually rinsing three times.</li> <li>Add washings to sprayer at time of filling.</li> <li>Dispose of empty and cleaned packaging safely.</li> <li>Large containers (&gt; 25 l or &gt; 25 kg) should not be rinsed or re-used for any other purpose.</li> <li>Return large containers to supplier.</li> <li>Follow advice on product label and/or leaflet.</li> </ul>

#### **SECTION 14: TRANSPORT INFORMATION**

# According to ADN/ADR/UK 'Carriage' Regulations/RID/IMDG/IATA not classified as dangerous goods.

This classification is in principle not valid for carriage by tank vessel on inland waterways. Please refer to the manufacturer for further information.

14.1 – 14.5 Not applicable.

#### 14.6 Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

**14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code** No transport in bulk according to the IBC Code.



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#### **SECTION 15: REGULATORY INFORMATION**

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

#### **UK and Northern Ireland Regulatory References**

This material may be subject to some or all of the following regulations (and any subsequent amendments). Users must ensure that any uses and restrictions as indicated on the label and/or leaflet are followed.

#### Transport

Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No 1348)

Merchant Shipping (Dangerous Goods and Marine Pollutants) Regulations 1997 (SI 1997 No 2367) Air Navigation Dangerous Goods Regulations 2002 (SI 2002 No 2786)

#### Supply and Use

Chemical (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No 716) Chemical (Hazard Information and Packaging for Supply) (Northern Ireland) Regulations 2009 Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No 2677) EH40 Occupational Exposure Limits - Table 1 List of approved workplace exposure limits Control of Pesticide Regulations 1986 Dangerous Substances and Explosive Atmospheres Regulations 2002

#### Waste Treatment

Environmental Protection Act 1990, Part II Environmental Protection (Duty of Care) Regulations 1991 The Waste Management Licensing Regulations 1994 (as amended) Hazardous Waste Regulations 2005 (Replacing Special Waste Regulations 1996 as amended) Landfill Directive Regulation on Substances That Deplete the Ozone Layer 1994 (EEC/3093/94) Water Resources Act 1991 Anti-Pollution Works Regulations 1999

#### **Further information**

WHO-classification: III (Slightly hazardous)

## **SECTION 16: OTHER INFORMATION**

#### Text of the hazard statements mentioned in Section 3

H302 Harmful if swallowe	ed.
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- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H330 Fatal if inhaled.
- H400 Very toxic to aquatic life.
- H411 Toxic to aquatic life with long lasting effects.
- H412 Harmful to aquatic life with long lasting effects.



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#### Abbreviations and acronyms

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute toxicity estimate
CAS-Nr.	Chemical Abstracts Service number
Conc.	Concentration
EC-No.	European community number
ECx	Effective concentration to x %
EH40 WEL	Worker Exposure Limit
EINECS	European inventory of existing commercial substances
ELINCS	European list of notified chemical substances
EN	European Standard
EU	European Union
IATA	International Air Transport Association
IBC	International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code)
ICx	Inhibition concentration to x $\acute{w}$
IMDG	International Maritime Dangerous Goods
LCx	Lethal concentration to x %
LDx	Lethal dose to x %
LOEC/LOEL	Lowest observed effect concentration/level
MARPOL	MARPOL: International Convention for the prevention of marine pollution from ships
N.O.S.	Not otherwise specified
NOEC/NOEL	No observed effect concentration/level
OECD	Organization for Economic Co-operation and Development
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SI	Statutory Instrument
TWA	Time weighted average
UN	United Nations
WHO	World health organisation

The above information is intended to give general health and safety guidance on the storage and transport of the product.

It is not intended to apply to the use of the product for which purposes the product label and any appropriate technical usage literature available should be consulted and any relevant licenses, consents or approvals complied with.

The requirements or recommendations of any relevant site or working procedure, system or policy in force or arising from any risk assessment involving the substance or product should take precedence over any of the guidance contained in this safety data sheet where there is a difference in the information given.

The information provided in this safety data sheet is accurate at the date of publication and will be updated as and when appropriate.

No liability will be accepted for any injury, loss or damage resulting from any failure to take account of information or advice contained in this safety data sheet.

Reason for Revision:

The following sections have been revised: Section 3: Composition / Information on Ingredients. Section 4: First Aid Measures. Section 9: Physical and Chemical Properties. Section 16: Other Information.

# SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006



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Safety Data Sheet according to Regulation (EU) No. 2015/830. The following sections have been revised: Section 2: Hazards Identification.

Changes since the last version are highlighted in the margin. This version replaces all previous versions.