

Version 11 / IRL 102000013441

1/12 Revision Date: 15.01.2025 Print Date: 15.01.2025

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

1.1 Product identifier	
Trade name	BIOPOWER
UFI	YPF0-Q0SX-000N-X8QE
Product code (UVP)	05815990
1.2 Relevant identified uses	of the substance or mixture and uses advised against
Use	Adjuvant
1.3 Details of the supplier of Supplier	the safety data sheet Bayer CropScience Ltd Bayer Ltd 1st Floor, The Grange Offices The Grange, Brewery Road Stillorgan A94 H2K7 Co. Dublin Ireland
Telephone	+353 1 216 3300
Responsible Department	Email: gb-bcs-crop-regulatory-affairs@bayer.com
1.4 Emergency telephone no	).
Emergency telephone no.	+44 330 678 3382 (24 hr) (charged as a standard international call to the UK)
	For Medical Professionals and Members of the Public: You can also contact the relevant NPIS.
	National Poisons Information Centre Dublin: 01 809 2166

### **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.

Long-term (chronic) aquatic hazard: Category 3



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H412 Harmful 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**

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

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 triple rinsed empty 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 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



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### **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	68891-38-3 500-234-8 01-2119488639-16-XXXX	Eye Dam. 1, H318 Skin Irrit. 2, H315 Aquatic Chronic 3, H412	27
1,2-Benzisothiazol-3(2H)- one	2634-33-5 220-120-9 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)-one1,2- Benzisothiazol-3(2H)- one	2634-33-5	M-Factor: 1 (acute), 1 (chronic)
1,2-Benzisothiazol- 3(2H)-one	2634-33-5	SCL: Skin Sens. 1; H317: SCL >= 0.05 %
1,2-Benzisothiazol- 3(2H)-one	2634-33-5	Inhalation: ATE = 0.21 mg/l (dust/mist)
1,2-Benzisothiazol- 3(2H)-one	2634-33-5	Oral: ATE = 450 mg/kg

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

### **Particle characteristics**

This substance/ mixture does not contain nanoforms

### **SECTION 4: 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.

### 4.1 Description of first aid measures

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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.

### **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 the product contaminates rivers and lakes or drains inform respective authorities. 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.



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### 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.	

### SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

No known occupational limit values.

### 8.2 Exposure controls

### 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	Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.



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	inside, when perforated or	Nitrile rubber
Eye protection	Wear goggles (conforming	to EN166, Field of Use = 5 or equivalent).
Skin and body protection	type suit. Wear two layers of clothing cotton overalls should be w should be professionally la If chemical protection suit is	nt exposure, consider a higher protective wherever possible. Polyester/cotton or yorn under chemical protection suit and undered frequently. s splashed, sprayed or significantly ate as far as possible, then carefully

### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

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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)

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Viscosity, kinematic Water solubility	No data available 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.

### 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



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	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

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**

### 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.



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### 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 potentia	al
Bioaccumulation	Alkylethersulfate, sodium salt: Does not bioaccumulate.
12.4 Mobility in soil	
Mobility in soil	Alkylethersulfate, sodium salt: soluble in water
12.5 Results of PBT and vPvE	3 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 pro	operties
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

**SAFETY DATA SHEET** according to Regulation (EC) No. 1907/2006, as amended



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Product	It is best to use all of the product in accordance with label directions. If it is necessary to dispose of unused product, please follow container label instructions and applicable local guidelines.
Contaminated packaging	Small containers (< 10 I or < 10 kg) should be rinsed thoroughly using an integrated pressure rinsing device, or, by manually rinsing three times. Add washings to sprayer at time of filling. Dispose of empty and cleaned packaging safely. Follow advice on product label and/or leaflet.
Waste key for the unused product	02 01 08* agrochemical waste containing hazardous substances

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

### According to ADN/ADR/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 IMO instruments

No transport in bulk according to the IBC Code.

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

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

### **Republic of Ireland Regulations**

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

### Supply and Use

European Communities (Prohibition of Certain Active Substances in Plant Protection Products) Regulations 1981 (SI No 320/1981)

European Communities (Authorization, Placing on the Market, Use and Control of Plant Protection Products) Regulations 2003 (SI No 83/2003)

European Communities (Classification, Packaging and Labelling of Plant Protection Products and Biocide Products) Regulations 2001 (SI No 624/2001

2010 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations, 2001 (SI No 619/2001)

### Waste Treatment

Landfill Directive Regulation on Substances That Deplete the Ozone Layer 1994 (EEC/3093/94)

### **Further information**



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H302

H315

H317

H318

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WHO-classification: III (Slightly hazardous)

### 15.2 Chemical safety assessment

A chemical safety assessment is not required.

### **SECTION 16: OTHER INFORMATION**

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

May cause an allergic skin reaction.

Causes serious eye damage.

Harmful if swallowed.

Causes skin irritation.

Fatal if inhaled.
Very toxic to aquatic life.
Toxic to aquatic life with long lasting effects.
Harmful to aquatic life with long lasting effects.
and acronyms
European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
European Agreement concerning the International Carriage of Dangerous Goods by Road
Acute toxicity estimate
Chemical Abstracts Service number
Concentration
European community number
Effective concentration to x %
European inventory of existing commercial substances
European list of notified chemical substances
Exposure Limit Value
European Standard
European Union
International Air Transport Association
International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk (IBC Code)
Inhibition concentration to x %
International Maritime Dangerous Goods
Lethal concentration to x %
Lethal dose to x %
Lowest observed effect concentration/level
MARPOL: International Convention for the prevention of marine pollution from ships
Not otherwise specified
No observed effect concentration/level
Organization for Economic Co-operation and Development
Regulations concerning the International Carriage of Dangerous Goods by Rail
Statutory Instrument
Time weighted average United Nations
World health organisation



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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 (EU) No. 2020/878. Checked and revised for editorial purposes due to adjustments according to the current Annex II of the REACH regulation.

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