SAFETY DATA SHEET
According to EC Directive 1907/2006

Bona Superwet

Issued: 1 January 2021

1: IDENTIFICATION OF THE PREPARATION AND THE COMPANY

Trade name: **Bona Superwet**

Relevant identified Uses of the substance or mixtures: Industrial use (agriculture)

Details of the supplier of the Material safety data sheet:

UAB Biovaga
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Lithuania

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Information provided by UAB Biovaga (see address above)

e-mail address: info@biovaga.lt

2: HAZARDS IDENTIFICATION

Classification according to the Regulation (EC) No. 1272/2008 (GHS)

Eye irritation, Category 2, H319

Label elements according to Regulation (EC) No 1272/2008 (GHS)

Symbol(s) :

Signal Word : Warning

Hazard Statements : H319: Causes serious eye irritation.

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Precautionary Statements :	P261: Avoid breathing dust/fume/gas/mist/vapours/spray. P273: Avoid release to the environment. P280a: Wear protective gloves and eye/face protection. P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minuts. Remove contact lenses, if present and easy to do. Continue rinsing. P337 + 313: If eye irritation persist, get medical advice/attention.
Hazardous component(s) for labelling:	Poly(oxy-1,2-ethanediyl), a-[3-[1,3,3,3-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]-w-hydroxy-

3: COMPOSITION/ INFORMATION ON INGREDIENTS

Chemical characterization

Mixture of Organo-modified trisiloxane with Polyoxyethylen

Hazardous components according to the Regulation (EC) No 1272/2008 (GHS)

Chemical name	CAS / EC / Registration No.	Concentration (%)	GHS product identifier
Poly(oxy-1,2-ethanediyl), a-[3-[1,3,3,3,-tetramethyl-1-[(trimethylsilyl)oxy]disiloxanyl]propyl]-w-hydroxy-	**67674-67-3 614-100-2**	**> =25 - < 50**	**Acute Tox. 4, Inhalation, H233, Aquatic Chronic 3, H412 Eye Irritation 2, H319**

The full text of the risk phrases and hazard statements is contained in section 16.
All existing information on exposure limits is contained in section 8.

4. FIRST AID MEASURES

Description of first aid measures

General advice : Remove soiled or soaked clothing immediately

After inhalation : Ensure supply of fresh air.
In the event of symptoms take medical treatment.

After contact with skin : In case of contact with skin wash off with soap and water.
Consult a doctor if skin irritation persists.

After contact with eyes : In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice

After ingestion : Seek medical advice immediately.

The most important acute and delayed symptoms and effects

Symptoms : No information is on file to date regarding acute and/or delayed post-exposure symptoms and effects.

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5. FIRE-FIGHTING MEASURES

Suitable extinguishing media : foam, carbon dioxide, dry powder, water spray.

Unsuitable extinguishing Media : Full water jet

Special hazards arising from the substance or mixture : In the event of fire the following can be released:
- Carbon monoxide, carbon dioxide, silicon dioxide

Advice for fire-fighters : Do not inhale explosion and/or combustion gases
Use self-contained breathing apparatus and wear protective suit

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Use personal protective equipment.

Environmental precautions : Do not allow to enter drains or waterways
Do not discharge into the subsoil/soil.

Methods and material for containment and cleaning up : Take up with absorbent material (eg sand, kieselguhr, universal binder)
Dispose of absorbed material in accordance with the regulations.

Reference to other sections : For further information on exposure monitoring and disposal see sections 8 and 13.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling : formation of aerosols or vapors during processing and application should be prevented.
Wear respiratory protection when spraying.

General protective Measure : Avoid contact with eyes and skin
Do not inhale aerosols

Hygiene measures : Do not eat, drink or smoke when working.
Remove soiled or soaked clothing immediately.
Wash hands before breaks and after work.
Use barrier skin cream.
Keep away from foodstuffs and beverages.

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Conditions for safe storage, including any incompatibilities

Advice on protection against fire and explosion	: Keep away from sources of ignition Take precautionary measures against electrostatic loading. Cool endangered containers by water spray
Further information	: Keep container tightly closed
German storage class	: 10
Specific end use(s)	: No further recommendations

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values (Germany).

DNEL/DMEL values	: No DNEL/DMEL values on file.
PNEC values	: No PNEC values on file.

Personal protective equipment / exposure controls

Respiratory protection	: in case of formation of vapours/aerosols: Short term: filter apparatus, combination filter A-P2
Hand protection	: gloves made of nitril (NBR) gloves made of butyl (IIR)
Eye protection	: goggles, or face shield if necessary Skin and body protection : impermeable protective clothing a protective ointment is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	: Liquid
Colour	: colourless, yellowish
Odour	: characteristic
Smell threshold	: not measured
Melting temperature	: not measured
Boiling temperature	: not measured
Flash point	: > 100 °C
Evaporation rate	: not measured

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Ignition temperature	: not measured
Autoignition temperature	: not measured
Thermal decomposition	: Not measured
Lower explosion limit	: not measured
Upper explosion limit	: not measured
Vapour pressure	: not measured
Density	: approx. 0,8 -1,05 g/cm3
Relative vapour density	: not measured
Water solubility	: dispersible
pH	: 5-8
Partition coefficient (noctanol/ water)	: not measured
Viscosity, dynamic	: 350 - 650 mPa.s at 25 °C
Explosive properties	: not measured
Oxidizing properties	: not measured
Metal corrosion	: not measured

10. STABILITY AND REACTIVITY

Reactivity	: see section "Possibility of hazardous reactions"
Chemical stability	: The product is stable under normal conditions.
Possibility of hazardous Reactions	: No hazardous reactions with proper storage and handling.
Conditions to avoid	: Unknown
Incompatible materials	: Unknown
Hazardous decomposition products	: None with proper storage and handling

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11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: no data available (>2000 mg/kg by calculation of components)
Acute inhalation toxicity	: Acute toxicity estimate of components >10 mg/l
Test atmosphere Method	: Calculation method The results based on calculation as per chapter 3.1.3.6 Directive 1272/2008/EC are above the classification limits.
Acute dermal toxicity	: from calculation of componts, criteria for labeling are not met
Skin irritation	: slightly irritant (considering components) - no labeling required
Eye irritation	: moderate irritant considering organo-modified trisiloxane component (labeling required)
Sensitization	: components did not cause sensitation in laboratory anaimals
Risk of aspiration toxicity	: No aspiration toxicity classification
Repeated dose toxicity	: no data available
Judgement STOT – single exposition	: no data available
Judgement STOT - repeated exposure	: no data available

CMR assessment

Carcinogenicity	: no data available
Mutagenicity	: no data available
Teratogenicity	: no data available
Toxicity to reproduction	: no data available

12. ECOLOGICAL INFORMATION

Further ecological information

Remarks	: The product is considered to be a water pollutant (German law). Do not allow to enter uncontrolled to soil, waterways or waste water canal.
Aquatic toxicity	: Criteria are not met for classification by calculation of Componds; product is biodegradable about 60% in 28 days
Comment	: Compounds have no negative efefct on microorganism action

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13. DISPOSAL CONSIDERATIONS

Product	: In accordance with local authority regulations, take to special waste incineration plant
Contaminated packaging	: If empty contaminated containers are recycled or disposed of,the receiver must be informed about possible hazards.

14. TRANSPORT INFORMATION

Land transport
ADR:
Not regulated

RID:
Not regulated

Inland navigation transport
ADNR:
Not regulated

Sea transport
IMDG:
Not regulated

Air transport
ICAO/IATA:
Not regulated

15. REGULATORY INFORMATION

National legislation / regulations

Comply with national and local legal regulations.

Germany

TA Luft (Germany)	: Class: Paragraph 5.2.5 (no class)
Observe local authority regulations corresponding to the german incident regulation (StörfallV).	: ---
Water contaminating class	: 2 (Classification acc. to German law)
Risk classification according to BetrSichV (Germany)	: ---
Other regulations	: ZH 1/118 "Working with health hazard substances (for the workers) (M 050)" ZH 1/229 "Data Sheet: Irritating substances / corrosive substances (M 004)"
Chemical safety assessment	: No chemical safety assessment was carried out for this product.

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16. OTHER INFORMATION

none

R-phrases and H-phrases of components from chapter 3 - Full wording

H319 : Causes serious eye irritation.
H332 : Harmful if inhaled.
H412 : Harmful to aquatic life with long lasting effects.

Glossary

ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ADNR	European agreement concerning the international carriage of dangerous goods by inland waterways (ADN)
BCF	Bioconcentration factor
BetrSchV	German Ordinance on Industrial Safety and Health
CMR	carcinogenic-mutagenic-toxic for reproduction
DNEL	Derived no effect level
GLP	Good Laboratory Practice
IATA	International Air Transport Association
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
LOAEL	Lowest observed adverse effect level
LOEL	Lowest observed effect level
NOAEl	No observed adverse effect level
OECD	Organisation for Economic Cooperation and Development
PBT	Persistent, bioaccumulative, toxic
PNEC	Predicted no effect concentration
RID	Convention concerning International Carriage by Rail
TA	Technical Instructions
TRGS	Technical Rules for Hazardous Substances
VCI	German chemical industry association
vPvB	very persistent, very bioaccumulative
VOC	volatile organic compounds
VwVwS	German Administrative Regulation on the Classification of Substances Hazardous to Waters into Water Hazard Classes
WGK	Water Hazard Class
EC50	half maximal effective concentration
STOT	Specific Target Organ Toxicity
OEL	Occupational Exposure Limit
PEC	Predicted effect concentration
NOEC	no observed effect concentration
NOEL	no observed effect level
ISO	International Organization For Standardi

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application.
Changes compared to the previous version are marked before the section number!