



SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: HumWet G

1.2 Relevant identified uses of the substance or mixture and uses advised against

Application of the substance / the mixture Wetting agent

1.3 Details of the supplier of the safety data sheet

Manufacturer/Supplier:

TURF Handels GmbH
Am Hartboden 48
A-8101 Gratkorn
T: +43 3124 29064
F: +43 3124 29062

Further information obtainable from: Email: office@turf.at

1.4 Emergency telephone number:

+43 3124 29064

Available during office hours:

Mo - Th: 8 a.m. - 4.30 p.m.

Fr: 8 a.m. - 2.30 p.m.

Call the national emergency number!

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008

The product is not classified, according to the CLP regulation.

2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 void

Hazard pictograms void

Signal word void

Hazard statements void

Precautionary statements

P261 Avoid breathing dust.

Additional information:

EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

EUH210 Safety data sheet available on request.

2.3 Other hazards Dust can cause irritation of eyes, skin, nose and throat through mechanical friction.

Results of PBT and vPvB assessment

PBT: The mixture does not contain PBT substances $\geq 0,1$ %.

vPvB: The mixture does not contain vPvB substances $\geq 0,1$ %.

(Contd. on page 2)

Trade name: HumWet G

(Contd. of page 1)

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:

[% (w/w)]

CAS: 14808-60-7 EINECS: 238-878-4 RTECS: VV 7330000	Quartz (SiO ₂) substance with a Community workplace exposure limit	70 - < 100%
CAS: 7631-86-9 EINECS: 231-545-4	Precipitated silica Alternative CAS number: 112945-52-5 substance with a Community workplace exposure limit	1 - < 2.5%
CAS: 479-66-3 EC number: 610-395-7	Fulvic acid ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332	≤ 1%
CAS: 2634-33-5 EINECS: 220-120-9 Index number: 613-088-00-6	1,2-benzisothiazol-3(2H)-one ⚠ Eye Dam. 1, H318 ⚠ Aquatic Acute 1, H400; Aquatic Chronic 2, H411 ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317 Specific concentration limit: Skin Sens. 1; H317: C ≥ 0.05 %	< 0.05%

Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information:

In case of discomfort or doubt, seek medical advice.

If unconscious, use a stable lateral position and do not administer anything through mouth.

After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

After skin contact:

Wash with plenty of soap and water.

Take off contaminated clothing and wash it before reuse.

Seek medical treatment in case of complaints.

After eye contact:

Rinse opened eye for several minutes under running water.

Remove contact lenses, if present and easy to do. Continue rinsing.

Seek medical treatment in case of complaints.

After swallowing:

Rinse mouth.

Do NOT induce vomiting.

Call a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

(Contd. on page 3)



Trade name: HumWet G

(Contd. of page 2)

4.3 Indication of any immediate medical attention and special treatment needed

Depending on the condition of the patients, the doctor must assess the symptoms and the overall general condition.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents:

CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water with full jet

5.2 Special hazards arising from the substance or mixture No further relevant information available.

5.3 Advice for firefighters

Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Restricted access to the affected area until cleaning work is completed.

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation

Avoid contact with skin and eyes.

Avoid formation of dust.

Avoid breathing dust.

6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.

6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Avoid formation of dust.

Ensure adequate ventilation.

Dispose of the material collected according to regulations.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Keep receptacles tightly sealed.

Prevent formation of dust.

Avoid contact with skin and eyes.

Avoid breathing dust.

Use personal protective equipment as required.

Observe protective measures and safety instructions.

(Contd. on page 4)



Trade name: HumWet G

(Contd. of page 3)

Information about fire - and explosion protection: No special measures required.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store in a dry, cool, well-ventilated area.

Store in accordance with local/regional/national/international regulations.

Information about storage in one common storage facility:

Store away from foodstuffs.

Store away from feeding stuff.

Store away from oxidising agents.

Further information about storage conditions:

Store only in the original receptacle.

Keep container tightly sealed.

Protect from frost.

Recommended storage temperature: room temperature

Storage class: 11

7.3 Specific end use(s) No further relevant information available.

* **SECTION 8: Exposure controls/personal protection**

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

CAS: 14808-60-7 Quartz (SiO₂)

BOELV (EU)	Long-term value: 0.1* mg/m ³ *respirable fraction
MAK (Austria)	Long-term value: 0.05 A mg/m ³ siehe Anhang III C
MAK (Germany)	alveolengängige Fraktion
LEP (Spain)	Long-term value: 0.05 mg/m ³ *Fracción resp:n,d,y
VLEP (France)	Long-term value: 0.1 mg/m ³ pour la fraction alvéolaire
TWA (Italy)	Long-term value: 0.025 mg/m ³ A2, (j)
WGW (Netherland)	Long-term value: 0.075 mg/m ³ respirabele fractie

CAS: 7631-86-9 Precipitated silica

MAK (Austria)	Long-term value: 4 E mg/m ³
AGW (Germany)	Long-term value: 4 E mg/m ³ DFG, 2, Y

CAS: 2634-33-5 1,2-benzisothiazol-3(2H)-one

MAK (Germany)	vgl.Abschn.IIb und Xc
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(Contd. on page 5)

Trade name: HumWet G

(Contd. of page 4)

Regulatory information

BOELV (EU): EU 2022/431

MAK (Austria): GKV 2020, 156. Verordnung, 09.04.2021, Teil II

MAK (Germany): MAK- und BAT-Liste

LEP (Spain): Límites de exposición profesional para agentes químicos

VLEP (France): ED 1487 05.2021

TWA (Italy): Valori Limite di Soglia

WGW (Netherlands): Grenswaarden gezondheidsschadelijke stoffen

AGW (Germany): TRGS 900

DNELs

CAS: 7631-86-9 Precipitated silica

Inhalative	Long-term exposure - systemic effects	4 mg/m ³ (workers)
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CAS: 2634-33-5 1,2-benzisothiazol-3(2H)-one

Dermal	Long-term exposure - systemic effects	0.345 mg/kg bw/d (consumer) 0.966 mg/kg bw/d (workers)
Inhalative	Long-term exposure - systemic effects	1.2 mg/m ³ (consumer) 6.8 mg/m ³ (workers)

PNECs

CAS: 2634-33-5 1,2-benzisothiazol-3(2H)-one

fresh water	0.00403 mg/l
sea water	0.0004 mg/l
intermittent release (fresh water)	0.0011 mg/l
STP	1.03 mg/l
sediment (fresh water)	0.049 mg/kg dw
sediment (sea water)	0.0049 mg/kg dw
soil	3 mg/kg dw

Regulatory information

Additional Occupational Exposure Limit Values for possible hazards during processing:

The national dust limits must be observed in the event of dust generation.

Additional information: The lists valid during the making were used as basis.

8.2 Exposure controls

Appropriate engineering controls

No further data; see section 7.

Technical measures and the use of suitable working methods take priority over the use of personal protective equipment.

Individual protection measures, such as personal protective equipment

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

Do not eat or drink while working.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Prevent formation of dust.

(Contd. on page 6)

Trade name: HumWet G

(Contd. of page 5)

Avoid breathing dust.

Ensure good ventilation/exhaustion at the workplace.

Protective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of the hazardous substances handled. The chemical resistance of the protective equipment should be enquired at the respective supplier.

Respiratory protection: Use suitable respiratory protective device in case of insufficient ventilation.

Hand protection



Protective gloves

EN 374

The glove material has to be impermeable and resistant to the product/ the substance/ the mixture.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.

Penetration time of glove material

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye/face protection



Tightly sealed goggles

EN 166

Body protection: Protective work clothing

Environmental exposure controls Do not allow to enter sewers/ surface or ground water.

* **SECTION 9: Physical and chemical properties**

9.1 Information on basic physical and chemical properties

General Information

Physical state	Solid
Colour:	Brown
Odour:	Not determined.
Odour threshold:	No information available.
Melting point/freezing point:	No information available.
Boiling point or initial boiling point and boiling range	No information available.
Flammability	Not determined.

(Contd. on page 7)



Trade name: HumWet G

(Contd. of page 6)

Lower and upper explosion limit

Lower: No information available.

Upper: No information available.

Flash point: > 340 °C

Decomposition temperature: No information available.

pH Not applicable.

Viscosity:

Kinematic viscosity Not applicable.

Dynamic: Not applicable.

Solubility

water: Insoluble.

Partition coefficient n-octanol/water (log value)

9003-11-6	Oxirane, 2-methyl-, polymer with oxirane	-1,58 log Kow
2634-33-5	1,2-benzisothiazol-3(2H)-one	0,7 log Kow

Vapour pressure: Not applicable.

Density and/or relative density

Density: No information available.

Vapour density Not applicable.

Particle characteristics See section 3.

9.2 Other information

Appearance:

Form: Granulate

Important information on protection of health and environment, and on safety.

Ignition temperature: Product is not selfigniting.

Explosive properties: Product does not present an explosion hazard.

Change in condition

Softening point/range

Oxidising properties No information available.

Evaporation rate Not applicable.

Information with regard to physical hazard

classes

Explosives void

void

Flammable gases void

void

Aerosols void

void

Oxidising gases void

void

Gases under pressure void

void

(Contd. on page 8)



Trade name: HumWet G

(Contd. of page 7)

Flammable liquids	void
	void
Flammable solids	void
	void
Self-reactive substances and mixtures	void
	void
Pyrophoric liquids	void
	void
Pyrophoric solids	void
	void
Self-heating substances and mixtures	void
	void
Substances and mixtures, which emit flammable gases in contact with water	void
	void
Oxidising liquids	void
	void
Oxidising solids	void
	void
Organic peroxides	void
	void
Corrosive to metals	void
	void
Desensitised explosives	void
	void

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability No decomposition if used and stored according to specifications.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid

Extreme temperatures.

Contact with incompatible materials.

10.5 Incompatible materials:

strong acids

oxidizing agent

Aluminum

amines

alkalis

10.6 Hazardous decomposition products: No dangerous decomposition products known.

* **SECTION 11: Toxicological information**

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

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

(Contd. on page 9)

Trade name: HumWet G

(Contd. of page 8)

LD/LC50 values relevant for classification:

CAS: 7631-86-9 Precipitated silica

Oral	LD50	10,000 mg/kg (rat)
Dermal	LD50	> 5,000 mg/kg (rab)

CAS: 2634-33-5 1,2-benzisothiazol-3(2H)-one

Oral	LD50	531 mg/kg (rat)
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Skin corrosion/irritation Based on available data, the classification criteria are not met.

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

Respiratory or skin sensitisation

Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.

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

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

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

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

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

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

11.2 Information on other hazards

Endocrine disrupting properties

None of the ingredients is listed.

*** SECTION 12: Ecological information**

12.1 Toxicity

Aquatic toxicity:

CAS: 7631-86-9 Precipitated silica

NOELR (72 h)	10,000 mg/l (algae) (Desmodesmus subspicatus)
EL50 (24 h)	> 1,000 mg/l (daphnia) (Daphnia magna)
NOEC	86.03 mg/l (fish)
LL0 (96 h)	10,000 mg/l (fish) (Brachydanio rerio)

CAS: 2634-33-5 1,2-benzisothiazol-3(2H)-one

NOEC	0.21 mg/l (fish) (Onchorhynchus mykiss) OECD 215
NOEC (21 d)	1.2 mg/l (daphnia) (Daphnia magna) OECD 211
EC10 (72 h)	0.04 mg/l (algae) (Selenastrum capricornutum) OECD 201

12.2 Persistence and degradability No further relevant information available.

12.3 Bioaccumulative potential No further relevant information available.

12.4 Mobility in soil No further relevant information available.

(Contd. on page 10)



Trade name: HumWet G

(Contd. of page 9)

12.5 Results of PBT and vPvB assessment

PBT: The mixture does not contain PBT substances $\geq 0,1$ %.

vPvB: The mixture does not contain vPvB substances $\geq 0,1$ %.

12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

12.7 Other adverse effects

Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

*** SECTION 13: Disposal considerations**

13.1 Waste treatment methods

Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

Only dispose of product residues via authorised companies according to local legislation.

European waste catalogue

Notes: The European Waste Catalogue (EWC) classifies waste materials and categorises them according to what they are and how they were produced. This may cause other classifications. The final decision belongs to the last user.

02 01 09	agrochemical waste other than those mentioned in 02 01 08
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Uncleaned packaging:

Recommendation:

Dispose of packaging according to regulations on the disposal of packagings.

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

SECTION 14: Transport information

14.1 UN number or ID number

ADR/RID/ADN, IMDG, IATA not regulated

14.2 UN proper shipping name

ADR/RID/ADN, IMDG, IATA not regulated

14.3 Transport hazard class(es)

ADR/RID/ADN, ADN, IMDG, IATA

Class not regulated

14.4 Packing group

ADR/RID/ADN, IMDG, IATA not regulated

14.5 Environmental hazards: Not applicable.

14.6 Special precautions for user Not applicable.

14.7 Maritime transport in bulk according to IMO instruments Not applicable.

(Contd. on page 11)



Trade name: **HumWet G**

(Contd. of page 10)

UN "Model Regulation": not regulated

* **SECTION 15: Regulatory information**

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

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

REGULATION (EU) 2019/1148

Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

National regulations:

Information about limitation of use: Employment restrictions concerning juveniles must be observed.

Global Automotive Declarable Substance List (GADSL):

CAS: 14808-60-7	Quartz (SiO ₂)	D(FA)
CAS: 2634-33-5	1,2-benzisothiazol-3(2H)-one	D/P(LR)

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases

- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H332 Harmful if inhaled.
- H400 Very toxic to aquatic life.
- H411 Toxic to aquatic life with long lasting effects.

(Contd. on page 12)



Trade name: HumWet G

(Contd. of page 11)

Training hints

Before handling, storage or use for the first time, employees must be informed about the properties of the substance and about measures taken to ensure safety and environmental protection.

Department issuing SDS:

UmEnA GmbH

<http://umena.at>

Email: office@umena.at

Date of previous version: 21.01.2021

Version number of previous version: 1.0

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Skin Sens. 1: Skin sensitisation – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

*** Data compared to the previous version altered.**