

Safety Data Sheet as per regulation (EC) 1907/2006

Commercial Product Name: FT 6274 GOLD FOLCO AQUAFLEX FT

Article-No.: 15210-067

Revision date: 12.09.2014

Version: 1/en

FOLMANN & CO

Print date: 18.11.2014

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

1.1 Product identifier

Commercial Product Name FT 6274 GOLD FOLCO AQUAFLEX FT

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

Relevant identified uses printing ink

1.3 Details of the supplier of the safety data sheet

Address Follmann & Co
Postfach 12 63
D-32372 Minden
Telephone: +49 (571) 93 39 -0
FAX: +49 (571) 93 39 -300

Contact person Environmental Department
Responsible Department Environmental Department +49 (571) 9339-176
E-mail (competent person) sicherheitsdatenblatt@follmann.de

1.4 Emergency telephone number

Emergency telephone number Outside USA: -001 703 527 3887 (D813)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification according to Directive 67/548/EEC / 1999/45/EEC This product is not classified as dangerous according to 67/548/EEC / 1999/45/EEC.

2.2 Label elements

Labelling (67/548/EEC or 1999/45/EC) The product does not have to be labelled according to guideline 67/548/EEC / 1999/45/EEC.

SECTION 3: Composition/information on ingredients

3.2 Mixture

Chemical characterization Acrylat

Hazardous ingredients

Ingredient		Classification (EEC) No 67/548	Concentration
		Classification (EC) 1272/2008	
2-(2-butoxyethoxy)ethanol	CAS No.: 112-34-5 EC-No.: 203-961-6 Index-No.: 603-096-00-8 REACH No.: 01-2119475104-44-xxxx	Xi; R36 Eye Irrit. 2; H319	1.0 - 5.0 % by weight

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice Move out of dangerous area. Take off all contaminated clothing immediately. Do not leave the victim unattended. Show this safety data sheet to the doctor in attendance.

In case of skin contact Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation occurs, seek medical advice/attention.

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In case of eye contact

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

If swallowed

Rinse mouth. Do NOT induce vomiting. Call a physician immediately.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂), Foam, Water spray, Dry powder

Extinguishing media which must not be used for safety reasons

High volume water jet

5.2 Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases

Hazardous decomposition products formed under fire conditions. Exposure to decomposition products may be a hazard to health.

5.3 Advice for firefighters

Special protective equipment for firefighting

In the event of fire, wear self-contained breathing apparatus.

Additional information on firefighting

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. Do not allow run-off from fire fighting to enter drains or water courses.
The product itself does not burn.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions

Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions

Prevent further leakage or spillage if safe to do so. Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

6.3 Methods and material 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 surface thoroughly.

6.5 Additional information

Other information

Treat recovered material as described in the section "Disposal considerations".

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Handle and open container with care. Avoid contact with skin and eyes.

Precautions

Smoking, eating and drinking should be prohibited in the application area. For personal protection see section 8. Observe label precautions.

Advice on protection against fire and explosion

No special protective measures against fire required.

7.2 Conditions for safe storage, including any incompatibilities

Storage space and container requirements

Keep in properly labelled containers. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

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Storage specifications Protect from frost.

TRGS 510 12

Recommended storage temperature 5 – 25 °C

SECTION 8: Exposure controls/personal protection**8.1 Control parameters****2-(2-BUTOXYETHOXY)ETHANOL**

Europe

Long-term exposure value/ mg/ m ³	Long-term exposure value/ ppm	Short-term exposure value / mg/ m ³	Short-term exposure value / ppm	Issuing date	Source
67,5	10	101,2	15	2006/15	24

Source: 24 – DIRECTIVE 2009/161/EU

DNEL

Value	Target group	Exposure route	Exposure frequency	Source
67,5 mg/m ³	Workers	inhale	Long term effects	100
67,5 mg/m ³	Workers	inhale	systemic	100
20 mg/kg	Workers	dermal	Long term effects	100
20 mg/m ³	Workers	dermal	systemic	100
34 mg/m ³	Consumers	inhale	Long term effects Local effects	100
10 mg/kg	Consumers	dermal	Long term effects systemic	100
1,25 mg/kg	Consumers	Oral	Long term effects systemic	100

Source: 100 – Firmendaten

PNEC

Value	Exposure route	Source
200 mg/l	STP	100
1 mg/l	Water	100
4 mg/kg	sediment	100
0,4 mg/kg	Soil	100

Source: 100 – Firmendaten

8.2 Exposure controls**Respiratory protection**

Note: Should no job-related limit values are indicated, the product, which a monitoring exposure limit is allocated, do not contains ingredients in relevant concentrations.

Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).

Hand protection

Protective gloves complying with EN 374. 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.

Suitable material:

Nitriles

Unsuitable material:

woven fabric, Leather gloves

Eye protection

Tightly fitting safety goggles

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Skin and body protection	Wear suitable protective equipment. Long sleeved clothing
General protective and hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and at the end of workday. Use protective skin cream before handling the product. Avoid contact with the skin and the eyes.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid
Form	Liquid
Colour	gold
Odour	characteristic
pH	8 – 9
Melting point [°C] / Freezing point [°C]	approx.0°C
Boiling point [°C]	appr.100°C
Evaporation rate [kg/(s*m ²)]	not determined
Vapour pressure [kPa]	<1013,25hPa
Vapour density	not determined
Density [g/cm ³]	appr.1,1g/cm ³
Water solubility [g/l]	
Remarks:	miscible
Partition coefficient n-octanol /water (log P O/W)	not determined
Autoignition temperature [°C]	not determined
Explosive properties	Not relevant
Oxidising properties	Not relevant

9.2 Other information

Flow time [s]	ca.30 – 40 sec
Temperature:	20°C
Measuring method:	DIN cup 4 mm

SECTION 10: Stability and reactivity

10.4 Conditions to avoid

Conditions to avoid	None under normal processing.
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SECTION 11: Toxicological information**11.1 Information on toxicological effects****Hazardous ingredients****2-(2-BUTOXYETHOXY)ETHANOL**

Oral toxicity [mg/kg]	Test criterion	Test species	Measuring method	Source
2410 mg/kg	LD50	mouse	OECD Test Guideline 401	100
5660 mg/kg	LD50	rat		100

Source: 100 - Firmendaten

Dermal toxicity [mg/kg]	Test criterion	Test species	Measuring method	Source
2764 mg/kg	LD50	rabbit	OECD Test Guideline 402	100
4000 mg/kg	LD50	rabbit		100

Source: 100 - Firmendaten

Irritant effect on skin	slightly irritating
Irritant effect on eyes	Irritant
Sensitization	None known
Mutagenicity	not mutagenic
Reproduction toxicity	Animal testing did not show any effects on fertility.

11.2 Additional information

Other information (chapter 11.) No toxicology information is available.

SECTION 12: Ecological information**12.1 Toxicity****Hazardous ingredients****2-(2-BUTOXYETHOXY)ETHANOL**

Toxicity to fish [mg/l]	Test criterion	Test species	Exposure duration	Source
1300 mg/l	LC50	LC50/96h/Lepomis macrochirus =	96 h	100
1150 mg/l	LC0	Poecilia reticulata (guppy)	96 h	100

Source: 100 - Firmendaten

Toxicity to daphnia [mg/l]	Test criterion	Test species	Exposure duration	Source
3200 mg/l	EC 50	Daphnia magna (Water flea)	24 h	100

Source: 100 - Firmendaten

NOEC (daphnia) [mg/l]	Test species	Exposure duration	Measuring method	Source
100 mg/l	Daphnia magna (Water flea)	48 h	OECD Test Guideline 202	100

Source: 100 - Firmendaten

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NOEC (algae) [mg/l]	Test species	Exposure duration	Measuring method	Source
>100 mg/l	Desmodesmus subspicatus	96 h	OECD Test Guideline 201	100

Source: 100 - Firmendaten

12.5 Results of PBT and vPvB assessment

Results of PBT characteristics determination This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

12.6 Other adverse effects

Further information on ecology We have no quantitative data concerning the ecological effects of this product.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Disposal considerations According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. The following Waste Codes are only suggestions:

Waste Code 08 01 12: waste paint and varnish other than those mentioned in 08 01 11
08 03 13: waste ink other than those mentioned in 08 03 12

Uncleaned empty packaging -

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SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
14.2 Description of the goods	Non dangerous good	Non dangerous good	Non dangerous good IATA
14.2 UN proper shipping name		Non dangerous good	Non dangerous good

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code Not relevant

SECTION 15: Regulatory information

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

Additional regulations Additionally, observe any national regulations!

SECTION 16: Other information

Relevant R-phrases R36: Irritating to eyes.

Relevant H-phrases H319: Causes serious eye irritation.

Wording of the hazard classes Eye Irrit.: Serious eye irritation

Department issuing safety data sheet Environmental Department

Further information Full text of R-phrases referred to under sections 2 and 3

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This information is provided in accordance with the current status of our knowledge and experience. The Safety Data Sheet describes products with a view to relevant safety requirements. This information does not constitute a warranty of properties, features or qualities.