

PG-M - traded as Underwater Magic Mosaic

Article number UWM-M

Profi-Glue Limited

8574 Kissonerga/Paphos

Date printed 11.08.2016, Revision 11.08.2016

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

1.1 Product identifier

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Article number: UWM-M

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

1.2.1 Relevant uses

Adhesive

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company Profi-Glue Limited
Gianni Irodotou Street 5, House 1
8574 Kissonerga/Paphos /
Phone +357 99232137
Homepage www.profi-glue.com
E-mail tech@profi-glue.com

Address enquiries to

Technical information tech@profi-glue.com

Safety Data Sheet sdb@chemiebuero.de

1.4 Emergency telephone number

Advisory body US Chemtrec: +1 800 424-9300 (24h)

Company +357 99232137

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Skin Sens. 1: H317 May cause an allergic skin reaction.

2.2 Label elements

The product is classified as hazardous in accordance to OSHA Standard 29 CFR 1910.1200 (HCS 2012)

Hazard pictograms



Signal word

WARNING

Contains:

Diocetylbis(pentane-2,4-dionato-O,O)tin
N-[3-(Dimethoxymethylsilyl)propyl]ethylenediamine
N-[3-(Trimethoxysilyl)propyl]ethylenediamine

Hazard statements

H317 May cause an allergic skin reaction.

Precautionary statements

P261 Avoid breathing vapors.
P272 Contaminated work clothing should not be allowed out of the workplace.
P280 Wear protective gloves.
P302+P352 IF ON SKIN: Wash with plenty of water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P363 Wash contaminated clothing before reuse.
P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

2.3 Other hazards

Other hazards

Further hazards were not determined with the current level of knowledge.

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SECTION 3: Composition / Information on ingredients

Product-type:

The product is a mixture.

Range [%]	Substance
1 - < 5	Trimethoxyvinylsilane
	CAS: 2768-02-7, EINECS/ELINCS: 220-449-8, Reg-No.: 01-2119513215-52-XXXX
	GHS/CLP: Flam. Liq. 3: H226 - Acute Tox. 4: H332
1 - < 5	Amide wax
	CAS: 198028-14-7, EINECS/ELINCS: 907-495-0, Reg-No.: 01-2119545465-35-XXX
	GHS/CLP: Aquatic Chronic 3: H412
0,1 - < 1	N-[3-(Trimethoxysilyl)propyl]ethylenediamine
	CAS: 1760-24-3, EINECS/ELINCS: 217-164-6, Reg-No.: 01-2119970215-39-XXXX
	GHS/CLP: Eye Dam. 1: H318 - Acute Tox. 4: H332 - Skin Sens. 1B: H317 - Aquatic Chronic 2: H411
0,1 - < 1	Diocetyl(bis(pentane-2,4-dionato-O,O))tin
	CAS: 54068-28-9, EINECS/ELINCS: 483-270-6, Reg-No.: 01-0000020199-67-XXXX
	GHS/CLP: STOT SE 2: H371 - Skin Sens. 1: H317
0,1 - < 1	N-[3-(Dimethoxymethylsilyl)propyl]ethylenediamine
	CAS: 3069-29-2, EINECS/ELINCS: 221-336-6
	GHS/CLP: Skin Sens. 1: H317 - Eye Dam. 1: H318

Comment on component parts

Substances of Very High Concern - SVHC: substances are not contained or are below 0,1%.
For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Change soaked clothing.

Inhalation

Ensure supply of fresh air.
In the event of symptoms seek medical treatment.

Skin contact

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

Eye contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.

Ingestion

Get medical advice.
Do not induce vomiting.
Rinse out mouth and give plenty of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
Forward this sheet to the doctor.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

All extinguishing media are suitable but method must take into account the surrounding area to minimize dispersion.

Extinguishing media that must not be used

Full water jet.

5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.

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5.3 Advice for firefighters

Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective clothing.

Ensure adequate ventilation.

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g. sand, sawdust, universal absorbent, diatomaceous earth).

Take up mechanically.

Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use only in well-ventilated areas.

Wash hands before breaks and after work.

Use barrier skin cream.

Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities

Prevent penetration into the ground.

Do not store together with oxidizing agents.

Protect from heat/overheating.

Protect from sun.

Keep in a well-ventilated place.

Keep container tightly closed.

7.3 Specific end use(s)

See product use, SECTION 1.2

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (US)

not applicable

DNEL

Substance
Trimethoxyvinylsilane, CAS: 2768-02-7
Industrial, inhalative, Acute - systemic effects: 4,9 mg/m³.
Industrial, inhalative, Long-term - systemic effects: 4,9 mg/m³.
Industrial, dermal, Long-term - systemic effects: 0,69 mg/kg bw/d.
Industrial, dermal, Acute - systemic effects: 0,69 mg/kg bw/d.

PNEC

Substance
Trimethoxyvinylsilane, CAS: 2768-02-7
sewage treatment plants (STP), 110 mg/l.
seawater, 0,034 mg/l.
freshwater, 0,34 mg/l.

8.2 Exposure controls

Additional advice on system design Ensure adequate ventilation on workstation.

Eye protection Safety glasses. (EN 166:2001)

Hand protection The details concerned are recommendations. Please contact the glove supplier for further information.
In full contact:
> 0,4 mm/ Butyl rubber, >120 min (EN 374-1/-2/-3).

Skin protection not applicable

Avoid contact with eyes and skin.
Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.

Respiratory protection Breathing apparatus in the event of high concentrations.

Thermal hazards not applicable

Delimitation and monitoring of the environmental exposition See SECTION 6+7.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	pasty
Color	white
Odor	characteristic
Odor threshold	not applicable
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	> 34°C (>93°F)
Flash point [°C]	> 100°C (> 212°F)
Flammability [°C]	not determined
Lower explosion limit	not determined
Upper explosion limit	not determined
Oxidizing properties	no
Vapor pressure/gas pressure [kPa]	not determined
Density [g/ml]	1.58 (13.185 lbs/gal)
Bulk density [kg/m³]	not applicable
Solubility in water	immiscible
Partition coefficient [n-octanol/water]	not determined
Viscosity	not applicable
Relative vapor density determined in air	not determined
Evaporation speed	not determined
Melting point [°C]	not determined
Autoignition temperature [°C]	420°C (788°F)
Decomposition temperature [°C]	not applicable

9.2 Other information

No information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

No hazardous reactions known.

10.4 Conditions to avoid

See SECTION 7.2.
Strong heating.

10.5 Incompatible materials

No information available.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Substance
N-[3-(Dimethoxymethylsilyl)propyl]ethylenediamine, CAS: 3069-29-2
LD50, oral, Rat: > 2000 mg/kg (OECD 401).
LC50, inhalative, Rat: > 5,2 mg/l (OECD 403).
Trimethoxyvinylsilane, CAS: 2768-02-7
LD50, inhalative, Rat: 16,8 mg/l (4 h) (OECD TG 403).
LD50, dermal, Rabbit: 3540 mg/kg (RTECS).
LD50, oral, Rat: 7120 mg/kg (OECD TG 401).
NOAEL, inhalative, Rat: 0,058 mg/l (98 d).
NOAEL, oral, Rat: < 62,5 mg/kg (28 d) (OECD TG 422).
Diethylbis(pentane-2,4-dionato-O,O)tin, CAS: 54068-28-9
LD50, dermal, Rat: > 2000 mg/kg (Study Number TX 1027).
LD50, dermal, Rat: > 2000 mg/kg (OECD 402).
LD50, oral, Rat: 2500 mg/kg.
Amide wax, CAS: 198028-14-7
LD50, dermal, Rat: > 2000 mg/kg (OECD 402).
LD50, oral, > 2000 mg/kg (OECD 423).
LC50, inhalative, Rat: 5110 mg/m³/4h (OECD 403).

Serious eye damage/irritation

Toxicological data of complete product are not available.
No classification.
Calculation method

Skin corrosion/irritation

Toxicological data of complete product are not available.
No classification.
Calculation method

Respiratory or skin sensitisation

Toxicological data of complete product are not available.
May cause an allergic skin reaction.
Calculation method

Specific target organ toxicity — single exposure

Toxicological data of complete product are not available.
No classification.
Calculation method

Specific target organ toxicity — repeated exposure

Based on the information available, the classification criteria have not been fulfilled.

Mutagenicity

Based on the information available, the classification criteria have not been fulfilled.

Reproduction toxicity

Based on the information available, the classification criteria have not been fulfilled.

Carcinogenicity

Based on the information available, the classification criteria have not been fulfilled.

Aspiration hazard

Based on the information available, the classification criteria have not been fulfilled.

General remarks

Toxicological data of complete product are not available.
The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists.

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SECTION 12: Ecological information

12.1 Toxicity

Substance
Trimethoxyvinylsilane, CAS: 2768-02-7
LC50, (96h), Oncorhynchus mykiss: 191 mg/l.
EC50, Pseudokirchneriella subcapitata: 210 mg/l (7 d) (US-EPA).
EC50, (48h), Daphnia magna: 168,7 mg/l (92/69/EWG C.2).
EC10, Pseudomonas putida: 1000 mg/l (5 h).
Diocetylbis(pentane-2,4-dionato-O,O)tin, CAS: 54068-28-9
EC50, (48h), Daphnia magna: 58,6 mg/l (OECD 202).
EC50, (96h), fish: 86 mg/l (OECD 203).
EC50, (24h), Scenedesmus subspicatus: 300 mg/l (OECD 201).
Amide wax, CAS: 198028-14-7
LC50, (96h), fish: > 100 mg/l (OECD 203).
EC50, (48h), Daphnia magna: 94,9 mg/l (OECD 202).
EC50, (72h), Algae: 43,2 mg/l (OECD 201).
NOEC, (72h), Algae: 37 mg/l (OECD 201).
NOAEL, (48h), Daphnia magna: 45 mg/l (OECD 202).

12.2 Persistence and degradability

Behaviour in environment compartments	not determined
Behaviour in sewage plant	not applicable
Biological degradability	not applicable

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required or not conducted.

12.6 Other adverse effects

The product is insoluble in water.

Ecological data of complete product are not available.

No classification on the basis of the calculation procedure of the preparation directive.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product	Coordinate disposal with the authorities if necessary.
Contaminated packaging	Uncontaminated packaging may be taken for recycling.
RCRA Hazard Class (40CFR 261)	Waste must be disposed of in accordance with federal, state and local environmental control regulations. Consult your local or regional authorities.

SECTION 14: Transport

14.1 UN number

Transport by land according to ADR/RID not applicable

DOT Road Shipment Information (49 CFR) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

14.2 UN proper shipping name

Transport by land according to ADR/RID NO DANGEROUS GOODS

DOT Road Shipment Information (49 CFR) NO DANGEROUS GOODS

Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"

Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

14.3 Transport hazard class(es)

Transport by land according to ADR/RID not applicable

DOT Road Shipment Information (49 CFR) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

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14.4 Packing group

Transport by land according to ADR/RID not applicable

DOT Road Shipment Information (49 CFR) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

14.5 Environmental hazards

Transport by land according to ADR/RID no

DOT Road Shipment Information (49 CFR) no

Marine transport in accordance with IMDG no

Air transport in accordance with IATA no

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

not applicable

SECTION 15: Regulatory information

US Regulations

National regulations

- SARA, 302

29 CFR 1910.1200-HCS 2012, OSHA-PEL, ACGIH-TLV, NTP, IARC, SARA Title III, NFPA, TSCA, California - Prop. 65

This product does not contain any ingredients regulated under this list.

- SARA, 311

This product does not contain any ingredients regulated under this list.

- SARA, 313

This product contain one ingredient regulated under this list(40 CFR part 372.65): methanol (CAS 67-56-1)

- CA Proposition 65

CAS 13463-67-7 Titanium dioxide is named in the list of California-P65
CAS 28553-12-0 Di-"isononyl" phthalate is named in the list of California-P65

- TSCA

All chemical substances in this material are included on or exempted from listing on the TSCA Inventory.

- FDA

No information available.

American Conference of Governmental Industrial Hygienists - ACGIH

CAS 13463-67-7 Titanium dioxide: A4

International Agency for Research on Cancer IARC

not determined

National Toxicology Program - NTP

not determined

HAP-VOC

2.4 %

Transport-regulations

DOT-Classification, ADR (2015); IMDG-Code (2015, 37. Amdt.); IATA-DGR (2016).

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SECTION 16: Other information

16.1 Hazard statements (SECTION 03)

H411 Toxic to aquatic life with long lasting effects.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.
H371 May cause damage to organs. [Immune system; if swallowed]
H412 Harmful to aquatic life with long lasting effects.
H332 Harmful if inhaled.
H226 Flammable liquid and vapor.

16.2 Abbreviations and acronyms:

ACGIH = American Conference of Governmental Industrial Hygienists;
ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route;
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses;
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure;
CAS = Chemical Abstracts Service;
CERCLA = Comprehensive Environmental Response, Compensation and Liability Act;
CFR = Code of Federal Regulations;
CPR = Controlled Products Regulations;
DMEL = Derived Minimum Effect Level;
DNEL = Derived No Effect Level;
DOT = Department of Transportation;
EC50 = Median effective concentration;
EPA = Environmental Protection Agency;
GHS = Globally Harmonized System of Classification and Labelling of Chemicals;
IATA = International Air Transport Association;
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk;
IC50 = Inhibition concentration, 50%;
IMDG = International Maritime Code for Dangerous Goods;
IARC = International Agency of Research on Cancer;
IATA = International Air Transport Association;
TSCA = Toxic Substance Control Act;
HMIS = Hazardous Materials Identification System;
NFPA = National Fire Protection Association;
NIOSH = National Institute for Occupational Safety and Health;
OSHA = Occupational Safety and Health Administration;
LC50 = Lethal concentration, 50%;
LD50 = Median lethal dose, 50%;
MARPOL = International Convention for the Prevention of Marine Pollution from Ships;
PBT = Persistent, Bioaccumulative and Toxic substance;
PNEC = Predicted No-Effect Concentration;
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals;
SARA = Superfund Amendments and Reauthorization Act;
TLV®/TWA = Threshold limit value – time-weighted average;
TLV®STEL = Threshold limit value – short-time exposure limit;
VOC = Volatile Organic Compounds;
vPvB = very Persistent and very Bioaccumulative;

16.3 Ratings

HMIS Ratings

HEALTH	1	1 - Slight Hazard
FLAMMABILITY	1	1 - Slight Hazard
REACTIVITY	0	0 - Minimal Hazard
PERSONAL PROTECTION	X	X - Personal protection rating to be supplied by user depending on use conditions

NFPA Ratings

1
1 0
-

TOP, FLAMMABILITY: 1 - Slight Hazard
LEFT, HEALTH: 1 - Slight Hazard RIGHT, REACTIVITY: 0 - Minimal Hazard
BOTTOM, SPECIAL NOTICE: -