

SAFETY DATA SHEET

DRYGRIP ADHESIVE

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Revision date: 22/05/2017

Revision No: 3.1

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

1.1 Product identifier

Product name: Drygrip Adhesive

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

Use of substance / mixture: Sealant/adhesive.

1.3. Details of the supplier of the safety data sheet

Company name: Safeguard Europe Ltd
Redkiln Close
Redkiln Way
Horsham
West Sussex
RH13 5QL
United Kingdom

Tel: +44 (0) 1403 210204

Fax: +44 (0) 1403 217529

Email: info@safeguardeurope.com

1.4. Emergency telephone number

Emergency tel: +44 (0) 1403 210204

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Skin sensitisation, Category 1 H317: May cause an allergic skin reaction.

Chronic aquatic toxicity, Category 3 H412: Harmful to aquatic life with long lasting effects.

Classification under CLP:

Classification (67/548/EEC, 1999/45/EC)

Dangerous for the environment R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Most important adverse effects:

2.2. Label elements

Label elements under CLP:

Hazard statements: H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

Signal words: Warning

Hazard pictograms:



Precautionary statements:

Prevention:

P261 Avoid breathing dust/ fume/ gas/ mist/ vapours/spray.

P273 Avoid release to the environment.

P280 Wear protective gloves.

Response:

P333 + P313 If skin irritation or rash occurs: Get medical advice/ attention.

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P363 Wash contaminated clothing before reuse.

Disposal:

P501 Dispose of contents/ container to an approved waste disposal plant.

217-164-6 N-(3-(trimethoxysilyl)propyl)ethylenediamine

255-437-1 bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate

280-060-4 methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

Hazardous components which must be listed on the label:

2.3. Other hazards

PBT: This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT).
PBT: This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

Chemical Name CAS-No. EC-No. Registration number	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]
Alkylamide 907-495-0 01-2119545465-35-XXXX	R52	Aquatic Chronic3; H412	>= 5 - < 10
trimethoxyvinylsilane 2768-02-7 220-449-8 01-2119513215-52-XXXX	Xn; R20 R10	Flam. Liq.3; H226 Acute Tox.4; H332	>= 2,5 - < 5
N-(3-(trimethoxysilyl)propyl)ethylenediamine 1760-24-3	Xi; R41 R43 R52/53	Eye Dam.1; H318 Skin Sens.1; H317 Aquatic Chronic3; H412	>= 0,25 - < 1
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate 41556-26-7 255-437-1 01-2119491304-40-XXXX	N; R50/53 R43	Skin Sens.1A; H317 Aquatic Chronic1; H410 Aquatic Acute1; H400	>= 0,25 - < 1
methyl 1,2,2,6,6-pentamethyl-4- piperidyl sebacate 82919-37-7 280-060-4	N; R50/53 R43	Skin Sens.1A; H317 Aquatic Acute1; H400 Aquatic Chronic1; H410	>= 0,1 - < 0,25

For the full text of the R-phrases mentioned in this Section, see Section 16.

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

Contains:

Section 4: First aid measures

4.1. Description of first aid measures

General advice: Move out of dangerous area.
Consult a physician.
Show this safety data sheet to the doctor in attendance
Take off contaminated clothing and shoes immediately.

Skin contact: Wash off with soap and plenty of water.
If symptoms persist, call a physician.

Eye contact: Remove contact lenses.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist.

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Ingestion: Do not induce vomiting without medical advice.
Rinse mouth with water.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.

Inhalation: Move to fresh air.
Consult a physician after significant exposure.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms: Allergic reactions
See Section 11 for more detailed information on health effects and symptoms.

Risks: sensitising effects

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Treat symptomatically.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: No hazardous combustion products are known.

5.3. Advice for fire-fighters

Advice for fire-fighters: In the event of fire, wear self-contained breathing apparatus.
Further information : Standard procedure for chemical fires.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Use personal protective equipment.
Deny access to unprotected persons.

6.2. Environmental precautions

Environmental precautions: Do not flush into surface water or sanitary sewer system.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal

6.4. Reference to other sections

Reference to other sections: For personal protection see section 8.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Do not breathe vapours or spray mist. Avoid exceeding the given occupational exposure limits (see section 8). Do not get in eyes, on skin, or on clothing. For personal protection see section 8. Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used. Smoking, eating and drinking should be prohibited in the application area. Follow standard hygiene measures when handling chemical products.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Keep container tightly closed in a dry and well-ventilated place. Store in accordance with local regulations.
Other data : No decomposition if stored and applied as directed.

7.3. Specific end use(s)

Specific end use(s): No data available

Section 8: Exposure controls/personal protection

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8.1. Control parameters

Components with workplace control parameters:

Contains no substances with occupational exposure limit values.

Occupational exposure limits of decomposition products

Components CAS-No.	CAS-No.	Value	Control Parameters	Basis*
methanol	67-56-1	TWA	200 ppm 260 mg/m ³	2006/15/EC
		TWA	200 ppm 266 mg/m ³	GB EH40
		STEL	250 ppm 333 mg/m ³	GB EH40

*The above mentioned values are in accordance with the legislation in effect at the date of the release of this safety data sheet.

8.2. Exposure controls

Environmental exposure controls: Do not flush into surface water or sanitary sewer system.
If the product contaminates rivers and lakes or drains inform respective authorities.

Respiratory protection: No special measures required.

Chemical-resistant, impervious gloves complying with an approved standard must be worn at all times when handling chemical products. Reference number EN 374. Follow manufacturer specifications.

Hand protection: Suitable for short time use or protection against splashes:
Butyl rubber/nitrile rubber gloves (0,4 mm),
Contaminated gloves should be removed.
Suitable for permanent exposure:
Viton gloves (0.4 mm), breakthrough time >30 min.

Eye protection: Safety glasses with side-shields.
Eye wash bottle with pure water

Skin protection: Protective clothing (e.g. Safety shoes acc. to EN ISO 20345, long-sleeved working clothing, long trousers). Rubber aprons and protective boots are additionally recommended for mixing and stirring work.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: paste

Colour: white

Odour: characteristic

Solubility in water: No data available

pH: No data available

Density: ca. 1,3 g/cm³
at 20 °C

Viscosity, kinematic: > 20,5 mm²/s
at 40 °C

Flash point: > 93 °C

9.2. Other information

Other information: No data available

Section 10: Stability and reactivity

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10.1. Reactivity

Reactivity: No dangerous reaction known under conditions of normal use.

10.2. Chemical stability

Chemical stability: The product is chemically stable.

10.3. Possibility of hazardous reactions

Hazardous reactions: Stable under recommended storage conditions.

10.4. Conditions to avoid

Conditions to avoid: No data available

10.5. Incompatible materials

Materials to avoid: No data available

10.6. Hazardous decomposition products

Haz. decomp. products: methanol

Section 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity:

Components:

trimethoxyvinylsilane:

Acute oral toxicity : LD50 Oral (Rat): ca. 7.120 mg/kg

Acute inhalation toxicity : LC50: ca. 16,8 mg/l

Exposure time: 4 h

Acute dermal toxicity : LD50: 3.540 mg/kg

Skin corrosion/irritation

Product:

Remarks: No data available

Serious eye damage/eye irritation

Product:

Remarks: No data available

Respiratory or skin sensitisation

Product:

Remarks: May cause an allergic skin reaction.

Germ cell mutagenicity

Product:

Germ cell mutagenicity- Assessment: No data available

Carcinogenicity

Product:

Carcinogenicity – Assessment: No data available

Reproductive toxicity

Product:

Reproductive toxicity – Assessment: No data available

Section 12: Ecological information

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12.1. Toxicity

Hazardous ingredients: No data available

12.2. Persistence and degradability

Persistence and degradability: No data available

12.3. Bioaccumulative potential

Bioaccumulative potential: No data available

12.4. Mobility in soil

Mobility: No data available

12.5. Results of PBT and vPvB assessment

PBT identification: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6. Other adverse effects

Other adverse effects: No data available

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Product:
The generation of waste should be avoided or minimized wherever possible.
Empty containers or liners may retain some product residues.
This material and its container must be disposed of in a safe way.
Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.
Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Contaminated packaging:
15 01 10* packaging containing residues of or contaminated by dangerous substances.

NB:

Section 14: Transport information

ADR
Not dangerous goods
IATA
Not dangerous goods
IMDG
Not dangerous goods

14.6. Special precautions for user

Special precautions: No data available

Tunnel code:

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable

Section 15: Regulatory information

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

Specific regulations: Labelling according to EC Directives (1999/45/EC)

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R-phrases) : R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Sensitising components : N-(3-(trimethoxysilyl)propyl)ethylenediamine
bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate
methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate
May produce an allergic reaction.

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII):
Banned and/or restricted (1,2-Benzenedicarboxylic acid, di-C9-11-branched alkyl esters, C10-rich)

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59):
None of the components are listed (\Rightarrow 0.1 %).

REACH - List of substances subject to authorisation (Annex XIV):
Not applicable

Prohibition/Restriction:

REACH Information - All substances contained in our Products are
- preregistered or registered by our upstream suppliers, and/or
- preregistered or registered by us, and/or
- excluded from the regulation, and/or
- exempted from the registration.

VOC-CH (VOCV) : no VOC duties
VOC-EU (solvent) : Not applicable
Health, safety and environmental regulation/legislation specific for the substance or mixture:
: The Chemicals (Hazard Information and Packaging for Supply) Regulations 2002
Control of Substances Hazardous to Health Regulations 2002
The Management of Health and Safety at Work Regulations 1999
Health and Safety at Work Act 1974
Environmental Protection Act 1990 & Subsidiary Regulations

If other regulatory information applies that is not already provided elsewhere in the Safety Data Sheet, then it is described in this subsection:

15.2. Chemical Safety Assessment

Chemical Safety: This product contains substances for which Chemical Safety Assessments are still required.

Section 16: Other information

Other information

Other information: **Full text of H-Statements**
H226 Flammable liquid and vapour.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H332 Harmful if inhaled.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

Full text of other abbreviations

Acute Tox. Acute toxicity
Aquatic Acute Acute aquatic toxicity
Aquatic Chronic Chronic aquatic toxicity
Eye Dam. Serious eye damage
Flam. Liq. Flammable liquids
Skin Sens. Skin sensitisation

Phrases used in s.2 and s.3:

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.