

Safety Data Sheet

according to UK REACH Regulation

Xtragrip - mirror adhesive

Revision date: 29.06.2022

Product code: BO6002005S

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SECTION 1: Identification of the substance/mixture and of the company/undertaking
1.1. Product identifier

Xtragrip - mirror adhesive

Further trade names

BO 6002005S, 310 ml

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

adhesive

1.3. Details of the supplier of the safety data sheet

Company name:	BOHLE AG	Telefax: +49 2129 5568-282
Street:	Dieselstr. 10	
Place:	42781 Haan	
Telephone:	+49 2129 5568-0	Telephone: +49 2129 5568-300
e-mail:	info@bohle.de	
Contact person:	Dr. Martin Schade	
e-mail:	MSDS@bohle.de	
Internet:	www.bohle.com	
Responsible Department:	Chemie	

1.4. Emergency telephone number: Emergency CONTACT (24-Hour-Number): GBK GmbH +49 (0)6132-84463

SECTION 2: Hazards identification
2.1. Classification of the substance or mixture

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2. Label elements
Hazard components for labelling

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

SECTION 3: Composition/information on ingredients
3.2. Mixtures
Chemical characterization

adhesive

Hazardous components

CAS No	Chemical name	Quantity
	EC No	
	Index No	
	REACH No	
	Classification (GB CLP Regulation)	
2768-02-7	trimethoxyvinylsilane; trimethoxy(vinyl)silane	<5%
	220-449-8	
	014-049-00-0	
	01-2119513215-52	
	Flam. Liq. 3, Acute Tox. 4, Skin Sens. 1B, STOT RE 2; H226 H332 H317 H373	

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
2768-02-7	220-449-8	trimethoxyvinylsilane; trimethoxy(vinyl)silane	<5% %
		inhalation: LC50 = 16,8 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 = 3259 mg/kg; oral: LD50 = 7120 mg/kg	

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SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

No special measures are necessary.

After contact with eyes

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

After ingestion

Rinse mouth. Call a doctor if you feel unwell.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**Carbon dioxide (CO₂), Extinguishing powder, Water spray jet, alcohol resistant foam**5.2. Special hazards arising from the substance or mixture**

Carbon monoxide, Hydrogen chloride (HCl)

5.3. Advice for firefighters

Standard procedure for chemical fires.

SECTION 6: Accidental release measures**6.3. Methods and material for containment and cleaning up****Other information**

Use mechanical handling equipment.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

None under normal processing.

When using, do not eat, drink or smoke.

Wash hands before breaks and after work.

Advice on general occupational hygiene

See section 7. No additional measures necessary.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Store in a dry place. Store in a closed container.

Hints on joint storage

Keep away from heat and sources of ignition. Keep away from: oxidizing agents

Further information on storage conditions

Protect from frost, heat and sunlight.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

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DNEL/DMEL values

CAS No	Substance		
DNEL type	Exposure route	Effect	Value
2768-02-7	trimethoxyvinylsilane; trimethoxy(vinyl)silane		
Worker DNEL, long-term	inhalation	systemic	2,6 mg/m ³
Worker DNEL, long-term	dermal	systemic	0,2 mg/kg bw/day
Worker DNEL, acute	inhalation	systemic	2,6 mg/m ³
Worker DNEL, acute	dermal	systemic	0,2 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	0,7 mg/m ³
Consumer DNEL, long-term	dermal	systemic	0,1 mg/kg bw/day
Consumer DNEL, long-term	oral	systemic	0,1 mg/kg bw/day
Consumer DNEL, acute	inhalation	systemic	0,7 mg/m ³
Consumer DNEL, acute	dermal	systemic	0,1 mg/kg bw/day

PNEC values

CAS No	Substance	
Environmental compartment	Value	
2768-02-7	trimethoxyvinylsilane; trimethoxy(vinyl)silane	
Freshwater	0,36 mg/l	
Freshwater (intermittent releases)	2,4 mg/l	
Marine water	0,036 mg/l	
Freshwater sediment	1,3 mg/kg	
Marine sediment	0,13 mg/kg	
Soil	0,055 mg/kg	

8.2. Exposure controls
Appropriate engineering controls

Provide adequate ventilation.

Individual protection measures, such as personal protective equipment
Eye/face protection

Not required

Hand protection

rubber gloves.

Skin protection

safety glasses with side-shields conforming to EN166

Respiratory protection

Not required

SECTION 9: Physical and chemical properties
9.1. Information on basic physical and chemical properties

Physical state: Paste
 Colour: light grey
 Odour: characteristic

Test method
Changes in the physical state

Flash point: >130 °C

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Explosive properties

Not explosive

Self-ignition temperature

not auto-flammable

Water solubility:

insoluble

Solubility in other solvents

miscible with most organic solvents

9.2. Other information
Other safety characteristics

Solvent content:

<0,8%

Solid content:

<99%

Further Information
SECTION 10: Stability and reactivity
10.1. Reactivity

No dangerous reaction known under conditions of normal use.

10.4. Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

10.5. Incompatible materials

Oxidising agent

10.6. Hazardous decomposition products

Heating or fire can release toxic gas. (Carbon monoxide, Hydrogen chloride (HCl))

SECTION 11: Toxicological information
11.1. Information on hazard classes as defined in GB CLP Regulation
Acute toxicity

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
2768-02-7	trimethoxyvinylsilane; trimethoxy(vinyl)silane				
	oral	LD50 7120 mg/kg	Rat		OECD 401
	dermal	LD50 3259 mg/kg	Rabbit		OECD 402
	inhalation (4 h) vapour	LC50 16,8 mg/l	Rat		OECD 403
	inhalation dust/mist	ATE 1,5 mg/l			

Irritation and corrosivity

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

Sensitising effects

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

Carcinogenic/mutagenic/toxic effects for reproduction

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.

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Aspiration hazard

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

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
2768-02-7	trimethoxyvinylsilane; trimethoxy(vinyl)silane					
	Acute fish toxicity	LC50 191 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)		
	Acute crustacea toxicity	EC50 168,7 mg/l	48 h	Daphnia magna (Big water flea)		
	Crustacea toxicity	NOEC 28,1 mg/l	21 d	Daphnia magna (Big water flea)		OECD 211

12.2. Persistence and degradability

CAS No	Chemical name				
	Method	Value	d	Source	
	Evaluation				
2768-02-7	trimethoxyvinylsilane; trimethoxy(vinyl)silane				
	OECD 301F	51 %	28		

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations

Can be incinerated together with household waste in compliance with applicable technical regulations following consultation with approved waste disposal management companies and authorities in charge.

Discharge into the environment must be avoided.

List of Wastes Code - residues/unused products

080410 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants other than those mentioned in 08 04 09

List of Wastes Code - used product

080410 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU of adhesives and sealants (including waterproofing products); waste adhesives and sealants other than those mentioned in 08 04 09

List of Wastes Code - contaminated packaging

150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

SECTION 14: Transport information

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Land transport (ADR/RID)**14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.**Inland waterways transport (ADN)****14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.**Marine transport (IMDG)****14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.**Air transport (ICAO-TI/IATA-DGR)****14.2. UN proper shipping name:** No dangerous good in sense of this transport regulation.**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Restrictions on use (REACH, annex XVII):

Entry 40, Entry 75

2010/75/EU (VOC): <0,8%

National regulatory information

Water hazard class (D): 2 - obviously hazardous to water

SECTION 16: Other information**Relevant H and EUH statements (number and full text)**

H226	Flammable liquid and vapour.
H317	May cause an allergic skin reaction.
H332	Harmful if inhaled.
H373	May cause damage to organs through prolonged or repeated exposure.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)