

Verifix 2K Silicone Primer

Revision date: 11/02/2022

Product code: BO5500510P

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1. Identification**Product identifier**

Verifix 2K Silicone Primer

Further trade names

part of Set

BO 5500510, 1 kg

BO 5500513, 5 kg

BO 5500516, 50 kg

BO 5500518, 100 ml Primer

Recommended use of the chemical and restrictions on use**Use of the substance/mixture**

Adhesion promotor

Details of the supplier of the safety data sheet**Manufacturer**

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

Trader of the product

Company name:	Bohle America, Inc.
Street:	10924 Granite Street, Suite 200
Place:	USA-NC 28273 Charlotte
e-mail (Contact person):	sales@bohle.com

Emergency phone number: Emergency CONTACT (24-Hour-Number): GBK GmbH +49 (0)6132-84463**2. Hazard(s) identification****Classification of the chemical****Regulation (EC) No 1272/2008**

Flam. Liq. 2; H225

Asp. Tox. 1; H304

Skin Irrit. 2; H315

STOT SE 3; H336

Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

Label elements**Regulation (EC) No 1272/2008****Hazard components for labelling**

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

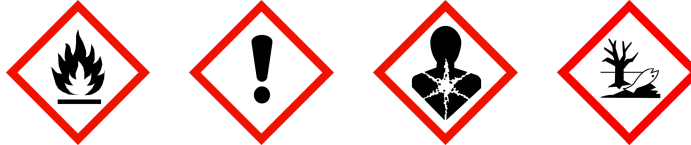
Signal word: Danger

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Pictograms:

Hazard statements

H225	Highly flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H336	May cause drowsiness or dizziness
H411	Toxic to aquatic life with long lasting effects

Precautionary statements

P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	If swallowed: Immediately call a poison center/doctor.
P303+P361+P353	If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P403+P235	Store in a well-ventilated place. Keep cool.

Labelling of packages where the contents do not exceed 125 ml
Pictograms:

Hazard statements

H304

Precautionary statements

P301+P310

3. Composition/information on ingredients
Mixtures
Chemical characterization

HYDROGENATED POLY(C6-12 OLEFIN)

Hazardous components

CAS No	Components			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
64742-49-0	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane			90 - < 95 %
	921-024-6		01-2119475514-35	
	Flam. Liq. 2, Skin Irrit. 2, STOT SE 3, Asp. Tox. 1, Aquatic Chronic 2; H225 H315 H336 H304 H411			
2768-02-7	trimethoxyvinylsilane; trimethoxy(vinyl)silane			< 1 %
	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			
110-54-3	n-hexane			< 1 %
	203-777-6	601-037-00-0	01-2119480412-44	
	Flam. Liq. 2, Repr. 2, Skin Irrit. 2, STOT SE 3, STOT RE 2, Asp. Tox. 1, Aquatic Chronic 2; H225 H361f H315 H336 H373 H304 H411			

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

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Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Components	Quantity
		Specific Conc. Limits, M-factors and ATE	
64742-49-0	921-024-6	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	93 %
		inhalation: LC50 = >20 mg/l (vapours); dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg	
2768-02-7	220-449-8	trimethoxyvinylsilane; trimethoxy(vinyl)silane	0.9 %
		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	
110-54-3	203-777-6	n-hexane	0.5 %
		STOT RE 2; H373: >= 5 - 100	

4. First-aid measures
Description of first aid measures
General information

First aider: Pay attention to self-protection!
 Move out of dangerous area.
 Take off contaminated clothing and shoes immediately.

After inhalation

Remove casualty to fresh air and keep warm and at rest.
 If symptoms persist, call a physician.

After contact with skin

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

After contact with eyes

Rinse thoroughly with plenty of water, also under the eyelids. Remove contact lenses, if present and easy to do. Continue rinsing.
 Consult a physician.

After ingestion

Rinse mouth thoroughly with water.
 Do NOT induce vomiting.
 Call a physician immediately.

Most important symptoms and effects, both acute and delayed

May be fatal if swallowed and enters airways.
 @1501.B015620

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures
Extinguishing media
Suitable extinguishing media

Carbon dioxide (CO₂)
 Extinguishing powder
 alcohol resistant foam
 Water spray jet

Unsuitable extinguishing media

high volume water jet

Specific hazards arising from the chemical

Heating or fire can release toxic gas.
 Carbon dioxide, Carbon monoxide

Special protective equipment and precautions for fire-fighters

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Standard procedure for chemical fires.

Self-contained respirator (breathing apparatus) according to OSHA Standard - 29 CFR: 1910.134 or ANSI Z88.2.

Additional information

Use water spray to cool unopened containers.

6. Accidental release measures
Personal precautions, protective equipment and emergency procedures
General advice

Use personal protective equipment.

Environmental precautions

Do not flush into surface water or sanitary sewer system.

Do not allow to enter into soil/subsoil.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

Methods and material for containment and cleaning up
Other information

Provide adequate ventilation.

Prevent spread over a wide area (e.g. by containment or oil barriers).

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal. Dispose of waste according to applicable legislation.

Reference to other sections

Personal protection equipment (PPE): see section 8

Disposal: see section 13

7. Handling and storage
Precautions for safe handling
Advice on safe handling

Provide adequate ventilation as well as local exhaustion at critical locations.

To avoid risks to man and the environment, comply with the instructions for use.

Advice on protection against fire and explosion

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Usual measures for fire prevention.

Take precautionary measures against static discharges.

Vapors may form explosive mixtures with air.

Advice on general occupational hygiene

Do not breathe vapours or spray mist.

Avoid contact with skin, eyes and clothing. Take off all contaminated clothing immediately.

Wash hands before breaks and immediately after handling the product.

When using do not eat or drink. Do not smoke.

Keep away from food, drink and animal feedingstuffs.

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

Keep container tightly closed in a cool, well-ventilated place.

Store in a place accessible by authorized persons only.

Protect from direct sunlight.

Hints on joint storage

Incompatible with oxidizing agents.

Further information on storage conditions

Recommended storage temperature: 5 - 40°C

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8. Exposure controls/personal protection
Control parameters
Exposure limits

CAS No.	Substance	ppm	mg/m ³	f/cc	Category	Origin
110-54-3	n-Hexane	500	1800		TWA (8 h)	PEL
		50	180		TWA (8 h)	REL

DNEL/DMEL values

CAS No.	Substance	Exposure route	Effect	Value
64742-49-0	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane			
Worker DNEL, long-term		dermal	systemic	773 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	2035 mg/m ³
Consumer DNEL, long-term		dermal	systemic	699 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	608 mg/m ³
Consumer DNEL, long-term		oral	systemic	699 mg/kg bw/day
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	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

Exposure controls
Appropriate engineering controls

Even in case of a full release, due to the small amount of substances present, it is not expected that exposure limits will be reached. However it is the duty of the user to verify this and follow given exposure limits at the workplace.

Individual protection measures, such as personal protective equipment

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Eye/face protection

safety glasses with side-shields conforming to EN166

Hand protection

The selected protective gloves have to satisfy the specifications of EU Directive 89/689/EEC and the standard EN 374 derived from it.

Glove material: Butyl caoutchouc (butyl rubber), NBR (Nitrile rubber)

Take note of the information given by the producer concerning permeability and break through times, and of special workplace conditions (mechanical strain, duration of contact).

Skin protection

When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn.

EN 13034 (type 6 limited splash-tight)

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Combination filtering device

Respirator with filter for organic vapour, Recommended Filter type: A-P2

Environmental exposure controls

Do not flush into surface water or sanitary sewer system.

Do not allow to enter into soil/subsoil.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

9. Physical and chemical properties
Information on basic physical and chemical properties

Physical state:	Liquid
Color:	clear
Odor:	characteristic

Changes in the physical state

Boiling point or initial boiling point and boiling range: 60 °C

Flash point: < 0 °C

Explosive properties

In use, may form flammable/explosive vapour-air mixture.

Lower explosion limits: 0,6

Upper explosion limits: 7,4

Auto-ignition temperature: >200 °C

pH-Value: not applicable

Viscosity / dynamic:
(at 20 °C) 0,55 mPa·s

Water solubility:
(at 20 °C) insoluble

Vapor pressure:
(at 20 °C) 172 hPa

Density (at 20 °C): 0,7 g/cm³

Other information
Other safety characteristics

Solvent content: 94%

Solid content: 6%

Evaporation rate:
(at 20 °C) 2,0

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Further Information

Vapors may form explosive mixtures with air.

10. Stability and reactivity
Reactivity

No hazardous reaction when handled and stored according to provisions.

Chemical stability

The mixture is chemically stable under recommended conditions of storage, use and temperature.

Possibility of hazardous reactions

Vapors may form explosive mixtures with air.

Conditions to avoid

 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 Protect from direct sunlight.

Incompatible materials

oxidizing agents

Hazardous decomposition products

No decomposition if used as directed.

11. Toxicological information
Information on toxicological effects
Acute toxicity

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
64742-49-0	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane				
	oral	LD50 mg/kg	>5000	Rat	
	dermal	LD50 mg/kg	>2000	Rat	
	inhalation (4 h) vapour	LC50	>20 mg/l	Rat	
2768-02-7	trimethoxyvinylsilane; trimethoxy(vinyl)silane				
	oral	LD50 mg/kg	7120	Rat	OECD 401
	dermal	LD50 mg/kg	3259	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

 Causes skin irritation. May cause eye/skin irritation.
 May cause eye irritation with susceptible persons.

12. Ecological information
Ecotoxicity

This product has no known eco-toxicological effects.

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CAS No	Components					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
64742-49-0	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane					
	Acute fish toxicity	LC50 mg/l	11,4	96 h	Oncorhynchus mykiss (Rainbow trout)	OECD 203
	Acute algae toxicity	ErC50 mg/l	30-100	72 h	Pseudokirchneriella subcapitata	OECD 201
	Acute crustacea toxicity	EC50	3 mg/l	48 h	Daphnia	OECD 202
	Fish toxicity	NOEC mg/l	2,04	28 d	Oncorhynchus mykiss (Rainbow trout)	
	Algae toxicity	NOEC	3 mg/l	3 d	Pseudokirchneriella subcapitata	OECD 201
	Crustacea toxicity	NOEC	1 mg/l	21 d	Daphnia magna (Big water flea)	OECD 211
2768-02-7	trimethoxyvinylsilane; trimethoxy(vinyl)silane					
	Acute fish toxicity	LC50	191 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	
	Acute crustacea toxicity	EC50 mg/l	168,7	48 h	Daphnia magna (Big water flea)	
	Crustacea toxicity	NOEC mg/l	28,1	21 d	Daphnia magna (Big water flea)	OECD 211
110-54-3	n-hexane					
	Acute fish toxicity	LC50	2,5 mg/l	96 h	Pimephales promelas	Geiger et al. 1990

CAS No	Components			
	Method	Value	d	Source
	Evaluation			
64742-49-0	Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane			
	OECD 301F	98%	28	
	Readily biodegradable (according to OECD criteria).			
2768-02-7	trimethoxyvinylsilane; trimethoxy(vinyl)silane			
	OECD 301F	51 %	28	

Bioaccumulative potential

Bioaccumulation is unlikely.

Partition coefficient n-octanol/water

CAS No	Components	Log Pow
110-54-3	n-hexane	3,9

Mobility in soil

No data available

Results of PBT and vPvB assessment

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

The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.

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.

Other adverse effects

Do not flush into surface water or sanitary sewer system.

Avoid subsoil penetration.

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13. Disposal considerations

Waste treatment methods**Disposal recommendations**

Can be incinerated, when in compliance with local regulations.

List of Wastes Code - used product

080111 WASTES FROM THE MANUFACTURE, FORMULATION, SUPPLY AND USE (MFSU) OF COATINGS (PAINTS, VARNISHES AND VITREOUS ENAMELS), ADHESIVES, SEALANTS AND PRINTING INKS; wastes from MFSU and removal of paint and varnish; waste paint and varnish containing organic solvents or other hazardous substances; hazardous waste

List of Wastes Code - contaminated packaging

150107 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); glass packaging

Contaminated packaging

Dispose of completely emptied containers as combustible waste or metal waste depending on the material.

14. Transport information

Land transport (ADR/RID)

UN number or ID number: UN 3295
UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S. (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane)
Transport hazard class(es): 3
Packing group: II
 Hazard label: 3



Classification Code: F1
 Special Provisions: 640D
 Limited quantity: 1 L
 Excepted quantity: E2
 Transport category: 2
 Hazard No: 33
 Tunnel restriction code: D/E

Inland waterways transport (ADN)

UN number or ID number: UN 3295
UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S. (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane)
Transport hazard class(es): 3
Packing group: II
 Hazard label: 3



Classification Code: F1
 Special Provisions: 640D
 Limited quantity: 1 L
 Excepted quantity: E2

Marine transport (IMDG)

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UN number or ID number: UN 3295
UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S. (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane)
Transport hazard class(es): 3
Packing group: II
 Hazard label: 3



Special Provisions: -
 Limited quantity: 1 L
 Excepted quantity: E2
 EmS: F-E, S-D

Air transport (ICAO-TI/IATA-DGR)

UN number or ID number: UN 3295
UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S. (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane)
Transport hazard class(es): 3
Packing group: II
 Hazard label: 3



Special Provisions: A3 A324
 Limited quantity Passenger: 1 L
 Passenger LQ: Y341
 Excepted quantity: E2
 IATA-packing instructions - Passenger: 353
 IATA-max. quantity - Passenger: 5 L
 IATA-packing instructions - Cargo: 364
 IATA-max. quantity - Cargo: 60 L

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: Yes


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

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 29, Entry 40, Entry 75

2004/42/EC (VOC): 94 %

National regulatory information

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

Chemical Safety Assessment

For this substance a chemical safety assessment has not been carried out.

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16. Other information

Changes

This data sheet contains changes from the previous version in section(s): 2.

Classification for mixtures and used evaluation method according to GHS

Classification	Classification procedure
Flam. Liq. 2; H225	On basis of test data
Asp. Tox. 1; H304	Calculation method
Skin Irrit. 2; H315	Calculation method
STOT SE 3; H336	Calculation method
Aquatic Chronic 2; H411	Calculation method

Relevant H statements (full text)

H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness
H361f	Suspected of damaging fertility
H373	May cause damage to organs through prolonged or repeated exposure
H411	Toxic to aquatic life with long lasting effects

Other data

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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