

**Verifix 2K Silicone Primer**

Revision date: 08/18/2023

Product code: BO5500510P

Page 1 of 10

**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:                  | D-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, &lt;5% n-hexane

**Signal word:** Danger

**Verifix 2K Silicone Primer**

Revision date: 08/18/2023

Product code: BO5500510P

Page 2 of 10

**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 %   |
|            | 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                                |              |                  |          |
| 110-54-3   | n-hexane  |              |                  | < 2 %    |
|            | 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.

**Verifix 2K Silicone Primer**

Revision date: 08/18/2023

Product code: BO5500510P

Page 3 of 10

**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                           | > 90 %   |
|            |           | inhalation: LC50 = >20 mg/l (vapours); dermal: LD50 = >2000 mg/kg; oral: LD50 = >5000 mg/kg |          |
| 110-54-3   | 203-777-6 | n-hexane  | < 2 %    |
|            |           | 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 (CO<sub>2</sub>)  
 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**

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

**Verifix 2K Silicone Primer**

Revision date: 08/18/2023

Product code: BO5500510P

Page 4 of 10

**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

**8. Exposure controls/personal protection****Control parameters**

**Verifix 2K Silicone Primer**

Revision date: 08/18/2023

Product code: BO5500510P

Page 5 of 10

**Exposure limits**

| CAS No   | Substance | ppm | mg/m <sup>3</sup> | 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 <sup>3</sup> |
| Consumer DNEL, long-term |   | dermal         | systemic | 699 mg/kg bw/day       |
| Consumer DNEL, long-term |   | inhalation     | systemic | 608 mg/m <sup>3</sup>  |
| Consumer DNEL, long-term |   | oral           | systemic | 699 mg/kg bw/day       |

**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**

**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

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

**Verifix 2K Silicone Primer**

Revision date: 08/18/2023

Product code: BO5500510P

Page 6 of 10

|                                 |                       |
|---------------------------------|-----------------------|
| Lower explosion limits:         | 0,6                   |
| Upper explosion limits:         | 7,4                   |
| Flash point:                    | < 0 °C                |
| Auto-ignition temperature:      | >200 °C               |
| pH-Value:                       | not applicable        |
| Water solubility:<br>(at 20 °C) | insoluble             |
| Vapor pressure:<br>(at 20 °C)   | 172 hPa               |
| Density (at 20 °C):             | 0,7 g/cm <sup>3</sup> |

**Other information**
**Information with regard to physical hazard classes**
**Explosive properties**

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

**Other safety characteristics**

|                                    |            |
|------------------------------------|------------|
| Evaporation rate:<br>(at 20 °C)    | 2,0        |
| Solvent content:                   | 94%        |
| Solid content:                     | 6%         |
| Viscosity / dynamic:<br>(at 20 °C) | 0,55 mPa·s |

**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**

**Verifix 2K Silicone Primer**

Revision date: 08/18/2023

Product code: BO5500510P

Page 7 of 10

**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 >5000 mg/kg | Rat     |        |        |
|            | dermal  | LD50 >2000 mg/kg | Rat     |        |        |
|            | inhalation (4 h) vapour   | LC50 >20 mg/l    | Rat     |        |        |

**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.

| 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 11,4 mg/l    | 96 h      | Oncorhynchus mykiss (Rainbow trout) |                    | OECD 203 |
|            | Acute algae toxicity  | ErC50 30-100 mg/l | 72 h      | Pseudokirchneriella subcapitata     |                    | OECD 201 |
|            | Acute crustacea toxicity  | EC50 3 mg/l       | 48 h      | Daphnia                             |                    | OECD 202 |
|            | Fish toxicity   | NOEC 2,04 mg/l    | 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 |
| 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).               |       |    |        |

**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**

**Verifix 2K Silicone Primer**

Revision date: 08/18/2023

Product code: BO5500510P

Page 8 of 10

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.

**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, &lt;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, &lt;5% n-hexane)

**Transport hazard class(es):**

3

**Packing group:**

II

Hazard label:

3

**Verifix 2K Silicone Primer**

Revision date: 08/18/2023

Product code: BO5500510P

Page 9 of 10



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

**Marine transport (IMDG)**

**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**

**Verifix 2K Silicone Primer**

Revision date: 08/18/2023

Product code: BO5500510P

Page 10 of 10

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.

**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
- H304 May be fatal if swallowed and enters airways
- H315 Causes skin irritation
- 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.)*