

according to Regulation (EC) No 1907/2006

Verifix 2K Silicone Primer

Revision date: 25.07.2017

Product code: BO5500510P

Page 1 of 10

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

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

Adhesion promotor

1.3. Details of the supplier of the safety data sheet

| | | |
|-------------------------|---------------------|------------------------------|
| 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: | Klaus Nehren | Telephone: +49 2129 5568-276 |
| e-mail: | MSDS@bohle.de | |
| Internet: | www.bohle-group.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****Regulation (EC) No. 1272/2008**

Hazard categories:

Flammable liquid: Flam. Liq. 2

Skin corrosion/irritation: Skin Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Aspiration hazard: Asp. Tox. 1

Hazardous to the aquatic environment: Aquatic Chronic 2

Hazard Statements:

Highly flammable liquid and vapour.

Causes skin irritation.

May cause drowsiness or dizziness.

May be fatal if swallowed and enters airways.

Toxic to aquatic life with long lasting effects.

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

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

Signal word: Danger

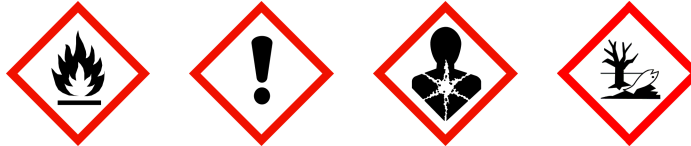
according to Regulation (EC) No 1907/2006

Verifix 2K Silicone Primer

Revision date: 25.07.2017

Product code: BO5500510P

Page 2 of 10

Pictograms:

Hazard statements

| | |
|------|--|
| H225 | Highly flammable liquid and vapour. |
| 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, hot surfaces, sparks, open flames and other ignition sources. No smoking. |
| P261 | Avoid breathing dust/fume/gas/mist/vapours/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. |

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

HYDROGENATED POLY(C6-12 OLEFIN)

Hazardous components

| CAS No | Chemical name | Quantity |
|------------|---|------------------|
| | EC No | Index No |
| | REACH No | |
| | Classification according to Regulation (EC) No. 1272/2008 [CLP] | |
| 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 |
| | 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.

SECTION 4: First aid measures
4.1. 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.

according to Regulation (EC) No 1907/2006

Verifix 2K Silicone Primer

Revision date: 25.07.2017

Product code: BO5500510P

Page 3 of 10

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.

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

May be fatal if swallowed and enters airways.
Repeated exposure may cause skin dryness or cracking.

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

Treat symptomatically.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

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

Unsuitable extinguishing media

high volume water jet

5.2. Special hazards arising from the substance or mixture

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

5.3. Advice for firefighters

Standard procedure for chemical fires.
Self-contained respirator (breathing apparatus) (DIN EN 133)

Additional information

Use water spray to cool unopened containers.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment.

6.2. 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.

6.3. Methods and material for containment and cleaning up

Provide adequate ventilation.
Prevent spread over a wide area (e.g. by containment or oil barriers).
Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Collect in closed and suitable containers for disposal. Dispose of waste according to applicable legislation.

6.4. Reference to other sections

Personal protection equipment: see section 8
Disposal: see section 13

according to Regulation (EC) No 1907/2006

Verifix 2K Silicone Primer

Revision date: 25.07.2017

Product code: BO5500510P

Page 4 of 10

SECTION 7: Handling and storage
7.1. 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.
Vapours can form explosive mixtures with air.

7.2. 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 against direct sunlight.

Advice on storage compatibility

Incompatible with oxidizing agents.

Further information on storage conditions

Recommended storage temperature: 5 - 40°C

SECTION 8: Exposure controls/personal protection
8.1. Control parameters
Exposure limits (EH40)

| CAS No | Substance | ppm | mg/m ³ | fibres/ml | Category | Origin |
|----------|-----------|-----|-------------------|-----------|---------------|--------|
| 110-54-3 | n-Hexane | 20 | 72 | | TWA (8 h) | WEL |
| | | - | - | | STEL (15 min) | WEL |

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 |

8.2. 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.

Protective and hygiene measures

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.

according to Regulation (EC) No 1907/2006

Verifix 2K Silicone Primer

Revision date: 25.07.2017

Product code: BO5500510P

Page 5 of 10

When using do not eat or drink. Do not smoke.
Keep away from food, drink and animal feedingstuffs.

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.

DIN EN 13034 (Type 6 limited splash-tight)

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Combination filtering device (EN 14387)

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.

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

| | |
|-----------------|----------------|
| Physical state: | liquid |
| Colour: | clear |
| Odour: | characteristic |

| | |
|-----------|----------------|
| pH-Value: | not applicable |
|-----------|----------------|

Test method**Changes in the physical state**

| | |
|--|-------|
| 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 |
|-------------------------|-----|

| | |
|-----------------------|---------|
| Ignition temperature: | >200 °C |
|-----------------------|---------|

| | |
|--------------------------------|---------|
| Vapour pressure: (at 20 °C) | 172 hPa |
|--------------------------------|---------|

| | |
|---------------------|-----------------------|
| Density (at 20 °C): | 0,7 g/cm ³ |
|---------------------|-----------------------|

| | |
|---------------------------------|-----------|
| Water solubility: (at 20 °C) | insoluble |
|---------------------------------|-----------|

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

| | |
|---------------------------------|-----|
| Evaporation rate: (at 20 °C) | 2,0 |
|---------------------------------|-----|

| | |
|------------------|-----|
| Solvent content: | 94% |
|------------------|-----|

9.2. Other information

according to Regulation (EC) No 1907/2006

Verifix 2K Silicone Primer

Revision date: 25.07.2017

Product code: BO5500510P

Page 6 of 10

Vapours can form explosive mixtures with air.

SECTION 10: Stability and reactivity**10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Vapours can form explosive mixtures with air.

10.4. Conditions to avoidKeep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Protect against direct sunlight.**10.5. Incompatible materials**

oxidizing agents

10.6. Hazardous decomposition products

No decomposition if used as directed.

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute toxicity**

| CAS No | Chemical name | | | | |
|------------|---|---------------|-----------|--------|--------|
| | Exposure route | Dose | Species | Source | Method |
| 64742-49-0 | Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane | | | | |
| | oral | LD50 mg/kg | >5840 | Rat | |
| | dermal | LD50 mg/kg | >2920 | Rat | |
| | inhalative (4 h) vapour | LC50 | 25,2 mg/l | Rat | |

Irritation and corrosivityCauses skin irritation. May cause eye/skin irritation.
May cause eye irritation with susceptible persons.**SECTION 12: Ecological information****12.1. Toxicity**

This product has no known eco-toxicological effects.

according to Regulation (EC) No 1907/2006

Verifix 2K Silicone Primer

Revision date: 25.07.2017

Product code: BO5500510P

Page 7 of 10

| CAS No | Chemical name | | | | | |
|------------|---|------------|-----------|---------|-------------------------------------|--------------------|
| | 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 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 |
| 110-54-3 | N-hexane | | | | | |
| | Acute fish toxicity | LC50 | 2,5 mg/l | 96 h | Pimephales promelas | Geiger et al. 1990 |

12.2. Persistence and degradability

| CAS No | Chemical name | | | | |
|------------|---|-------|----|--------|--|
| | 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). | | | | |

12.3. Bioaccumulative potential

Bioaccumulation is unlikely.

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|----------|---------------|---------|
| 110-54-3 | N-hexane | 3,9 |

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

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

12.6. Other adverse effects

slightly water endangering
 Do not flush into surface water or sanitary sewer system.
 Avoid subsoil penetration.

SECTION 13: Disposal considerations
13.1. Waste treatment methods
Advice on disposal

Can be incinerated, when in compliance with local regulations.

Waste disposal number of waste from residues/unused products

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
 Classified as hazardous waste.

according to Regulation (EC) No 1907/2006

Verifix 2K Silicone Primer

Revision date: 25.07.2017

Product code: BO5500510P

Page 8 of 10

Waste disposal number of 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
Classified as hazardous waste.

Waste disposal number of 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.

SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number: UN 3295
14.2. UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S. (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane)
14.3. Transport hazard class(es): 3
14.4. 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)

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



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

Marine transport (IMDG)

14.1. UN number: UN 3295
14.2. UN proper shipping name: HYDROCARBONS, LIQUID, N.O.S. (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane)

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Verifix 2K Silicone Primer

Revision date: 25.07.2017

Product code: BO5500510P

Page 9 of 10

14.3. Transport hazard class(es): 3**14.4. 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)**14.1. UN number:** UN 3295**14.2. UN proper shipping name:** HYDROCARBONS, LIQUID, N.O.S. (Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane)**14.3. Transport hazard class(es):** 3**14.4. 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

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: yes



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

2004/42/EC (VOC): 94 %

National regulatory information

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).

Water contaminating class (D): 1 - slightly water contaminating

15.2. Chemical safety assessment

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

according to Regulation (EC) No 1907/2006

Verifix 2K Silicone Primer

Revision date: 25.07.2017

Product code: BO5500510P

Page 10 of 10

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

| | |
|-------|--|
| H225 | Highly flammable liquid and vapour. |
| 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. |

Further Information

The information is based on present level of our knowledge. It does not, however, give assurances 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.)