

# Safety Data Sheet

According to Regulation (EC) No. 1272/2008 (CLP) and (EC) No. 1907/2006 (REACH)

Initial preparation date: 07.28.2018

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## Silicone Sealant - Acetoxy - Black

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

**Product Name:** Silicone Sealant - Acetoxy - Black

**Product code:** 31319, 31919



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

**Relevant identified uses:** Not determined or not applicable.

**Uses advised against:** Not determined or not applicable.

**Reasons why uses advised against:** Not determined or not applicable.

#### 1.3 Details of the manufacturer/supplier of the safety data sheet

**Manufacturer:**

**United States**

J-B Weld Company, LLC

1130 COMO ST.

SULPHUR SPRINGS, TX 75482

903-885-7696

info@jbweld.com

#### 1.4 Emergency telephone number:

**United States**

CHEMTREC

Transportation Emergencies (24 hour): 800-424-9300 or

703-527-3887

Poison Control Centers (24 hour): medical emergencies 800-222-1222

### SECTION 2: Hazard(s) identification

#### 2.1 Classification of the substance or mixture:

**Classification according to Regulation (EC) No. 1272/2008 (CLP):**

Carcinogenicity, category 1B

Skin irritation, category 2

**Hazard-determining components of labeling:**

Liquid Additive

Liquid Additive

Liquid Additive

#### 2.2 Label elements

**Hazard pictograms:**



**Signal word:** Danger

**Hazard statements:**

H350 May cause cancer.

H315 Causes skin irritation.

H315+H320 Causes skin and eye irritation.

**Precautionary statements:**

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P281 Use personal protective equipment as required.

P264 Wash skin thoroughly after handling.

P308+P313 If exposed or concerned: Get medical advice/attention

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P321 Specific treatment (see supplemental first aid instructions on this label).

P362 Take off contaminated clothing and wash before reuse

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P332+P313 If skin irritation occurs: Get medical advice/attention

P362+P364 Take off contaminated clothing and wash it before reuse.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local regulation.

### 2.3 Other hazards: None known

## SECTION 3: Composition/information on ingredients

3.1 **Substance:** Not applicable.

### 3.2 Mixture:

| Identification                                       | Name              | Classification according to Regulation (EC) No. 1272/2008 (CLP) | Weight % |
|--|-------------------|---|----------|
| CAS number:<br>13463-67-7<br>EC number:<br>236-675-5 | Powder            | Not classified  | <5       |
| CAS number:<br>7631-86-9<br>EC number:<br>231-545-4  | Powder Additive   | Not classified  | <5       |
| CAS number:<br>1317-65-3<br>EC number:<br>215-279-6  | Powder            | Not classified  | <35      |
| CAS number:<br>70131-67-8                            | Resin             | Not classified  | <90      |
| CAS number:<br>63148-62-9<br>EC number:<br>613-156-5 | Liquid Additive   | Not classified  | <10      |
| CAS number:<br>64742-46-7<br>EC number:<br>265-148-2 | Liquid Additive   | Carc. 1B; H350  | <10      |
| CAS number:<br>4253-34-3<br>EC number:<br>224-221-9  | Liquid Additive   | Not classified  | <2       |
| CAS number:<br>17689-77-9<br>EC number:<br>241-677-4 | Liquid Additive   | Not classified  | <2       |
| CAS number:<br>1332-37-2<br>EC number:<br>215-570-8  | Pigment or Powder | Not classified  | <5       |

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|  |                   |                |    |
|--|-------------------|----------------|----|
| CAS number:<br>147-14-8<br>EC number:<br>205-685-1 | Pigment or Powder | Not classified | <5 |
|--|-------------------|----------------|----|

### Additional information:

Although this product contains Titanium Dioxide, the Titanium Dioxide is bound and the particles are not of respirable size.

Carbon black is classified as a carcinogen only in its respirable form. Since the carbon black in this product is not respirable, the product itself is not classified as a carcinogen in the form presented.

**Full Text of H and EUH statements:** See section 16

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General notes:

Not determined or not available.

#### Following inhalation:

Loosen clothing as necessary and position individual in a comfortable position

Maintain an unobstructed airway

Get medical advice/attention if you feel unwell

#### Following skin contact:

Rinse affected area with soap and water

If symptoms develop or persist, seek medical attention

Take off all contaminated clothing

Gently blot or brush away excess product

Wash with plenty of lukewarm, gently flowing water

Get medical advice if skin irritation occurs or you feel unwell

#### Following eye contact:

Rinse/flush exposed eye(s) gently using water for 15-20 minutes

If symptoms develop or persist, seek medical attention

#### Following ingestion:

Rinse mouth thoroughly

Seek medical attention if irritation, discomfort, or vomiting persists

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

#### Acute symptoms and effects:

Not determined or not available.

#### Delayed symptoms and effects:

Not determined or not available.

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

#### Specific treatment:

Not determined or not available.

#### Notes for the doctor:

Not determined or not available

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media:

Use appropriate fire suppression agents for adjacent combustible materials or sources of ignition.

#### Unsuitable extinguishing media:

Not determined or not applicable.

### 5.2 Special hazards arising from the substance or mixture:

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Thermal decomposition can lead to release of irritating gases and vapors.

### 5.3 Advice for firefighters

#### Personal protection equipment:

Use typical firefighting equipment, self-contained breathing apparatus, special tightly sealed suit.

#### Special precautions:

Not determined or not applicable.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures:

Ensure adequate ventilation.

Ensure air handling systems are operational.

Wear protective eye wear, gloves and clothing.

### 6.2 Environmental precautions:

Should not be released into the environment.

Prevent from reaching drains, sewer or waterway.

### 6.3 Methods and material for containment and cleaning up:

Wear protective eye wear, gloves and clothing.

Absorb with non-combustible liquid-binding material (sand, diatomaceous earth (clay), acid binders, universal binders).

Dispose of contents / container in accordance with local regulations.

### 6.4 Reference to other sections:

Not determined or not applicable.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling:

Use only with adequate ventilation.

Avoid breathing mist or vapor.

Do not eat, drink, smoke or use personal products when handling chemical substances.

### 7.2 Conditions for safe storage, including any incompatibilities:

Keep container tightly sealed.

Protect from freezing and physical damage.

Store in a cool, well-ventilated area.

### 7.3 Specific end use(s):

Not determined or not applicable.

## SECTION 8: Exposure controls/personal protection



### 8.1 Control parameters

Only those substances with limit values have been included below.

#### Occupational Exposure limit values:

| Country (Legal Basis) | Substance       | Identifier | Permissible concentration             |
|-----------------------|-----------------|------------|---------------------------------------|
| Romania               | Liquid Additive | 63148-62-9 | 8-Hour TWA: 200 mg/m <sup>3</sup>     |
|                       | Liquid Additive | 63148-62-9 | 15-minute STEL: 300 mg/m <sup>3</sup> |

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| Country (Legal Basis) | Substance         | Identifier | Permissible concentration  |
|-----------------------|-------------------|------------|--|
|                       | Powder            | 1317-65-3  | TWA 8-hr: 10 mg/m <sup>3</sup>   |
|                       | Powder            | 13463-67-7 | OEL: TWA 10.0 mg/m <sup>3</sup> 8-hr   |
|                       | Powder            | 13463-67-7 | OEL: STEL 15 mg/m <sup>3</sup> 15-min  |
|                       | Liquid Additive   | 64742-46-7 | 8-hour TWA: 5 mg/m <sup>3</sup> (Mineral oils)   |
|                       | Liquid Additive   | 64742-46-7 | 15-minute STEL: 10 mg/m <sup>3</sup> (Mineral oils)  |
|                       | Liquid Additive   | 64742-46-7 | 8-hour TWA: 100 mg/m <sup>3</sup> [Solvent naphtha (coal tar)]   |
|                       | Liquid Additive   | 64742-46-7 | 15-minute STEL: 200 mg/m <sup>3</sup> [Solvent naphtha (coal tar)]   |
| Bulgaria              | Liquid Additive   | 64742-46-7 | TWA: 5.0 mg/m <sup>3</sup> (Oil - mineral, petroleum)  |
|                       | Powder            | 1317-65-3  | TWA: 10 mg/m <sup>3</sup>  |
|                       | Powder Additive   | 7631-86-9  | TWA: 0.07 mg/m <sup>3</sup> (Free silicon dioxide, amorphous, synthetic from condensation and electrothermal processes, respirable fraction)         |
|                       | Powder            | 13463-67-7 | OEL: TWA 10.0 mg/m <sup>3</sup> (Respirable dust)  |
|                       | Powder Additive   | 7631-86-9  | TWA: 4 mg/m <sup>3</sup> ( Free silicon dioxide, amorphous and crystalline, from natural sedimentation (opal, chalcedony, etc.), inhalable fraction) |
|                       | Powder Additive   | 7631-86-9  | TWA: 10 mg/m <sup>3</sup> (Free silicon dioxide, amorphous, synthetic from condensation and electrothermal processes, inhalable fraction)            |
|                       | Powder Additive   | 7631-86-9  | TWA: 1 mg/m <sup>3</sup> (Free silicon dioxide, amorphous and crystalline, from natural sedimentation (opal, chalcedony, etc.), respirable fraction) |
| Czech Republic        | Liquid Additive   | 64742-46-7 | 8-hour TWA: 5 mg/m <sup>3</sup> (Mineral oils, aerosol)  |
|                       | Liquid Additive   | 64742-46-7 | Ceiling limit (NPK-P): 10 mg/m <sup>3</sup> (Mineral oils, aerosol)  |
|                       | Powder            | 1317-65-3  | TWA 8-hr: 10 mg/m <sup>3</sup>   |
|                       | Powder Additive   | 7631-86-9  | 8-hour TWA: 4.0 mg/m <sup>3</sup> (dust)   |
| Hungary               | Pigment or Powder | 147-14-8   | 8-hour TWA (ÁK Value): 1 mg/m <sup>3</sup>   |
|                       | Pigment or Powder | 147-14-8   | 60-minute STEL (CK Value): 4 mg/m <sup>3</sup>   |
|                       | Liquid Additive   | 64742-46-7 | Ceiling Limit (MK Value): 5 mg/m <sup>3</sup> [Oil smog (mineral oil)]   |
|                       | Powder            | 1317-65-3  | ÁK Value TWA 8-hr: 221 mg/m <sup>3</sup> ; CK Value STEL 60-min 442 mg/m <sup>3</sup>  |
| Latvia                | Pigment or Powder | 147-14-8   | 8-hour TWA: 5 mg/m <sup>3</sup>  |
|                       | Liquid Additive   | 64742-46-7 | 8-hour TWA: 10 mg/m <sup>3</sup> (Naphtha)   |

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| Country (Legal Basis) | Substance         | Identifier | Permissible concentration   |
|-----------------------|-------------------|------------|---|
|                       | Liquid Additive   | 64742-46-7 | 8-hour TWA: 100 mg/m <sup>3</sup><br>(Petroleum benzin)   |
|                       | Powder            | 13463-67-7 | OEL: TWA 10.0 mg/m <sup>3</sup> 8-hr  |
|                       | Powder Additive   | 7631-86-9  | 8-hour TWA: 1 mg/m <sup>3</sup>   |
| Estonia               | Liquid Additive   | 64742-46-7 | 8-hour TWA: 1 mg/m <sup>3</sup> [Oil<br>(naphtha) vapors]   |
|                       | Powder            | 1317-65-3  | TWA 8-hr: 10 mg/m <sup>3</sup> ; 5 mg/m <sup>3</sup><br>(Fine dust)   |
|                       | Powder            | 13463-67-7 | OEL: TWA 5 mg/m <sup>3</sup> 8-hr   |
|                       | Powder Additive   | 7631-86-9  | 8-hour TWA: 2 mg/m <sup>3</sup> (fine dust)   |
| Lithuania             | Pigment or Powder | 147-14-8   | 8-hour TWA: 5 mg/m <sup>3</sup>   |
|                       | Liquid Additive   | 64742-46-7 | 8-hour TWA: 1 mg/m <sup>3</sup> (Oil mist,<br>including smoke)  |
|                       | Liquid Additive   | 64742-46-7 | 15-minute STEL: 3 mg/m <sup>3</sup> (Oil<br>mist, including smoke)  |
|                       | Liquid Additive   | 64742-46-7 | 8-hour TWA: 180 mg/m <sup>3</sup> (50<br>ppm) [Petrol ether (industrial) -<br>hexane based]                           |
|                       | Liquid Additive   | 64742-46-7 | 15-minute STEL: 250 mg/m <sup>3</sup> (75<br>ppm) [Petrol ether (industrial) -<br>hexane based]                       |
|                       | Powder            | 13463-67-7 | OEL: TWA 5 mg/m <sup>3</sup> 8-hr   |
|                       | Liquid Additive   | 64742-46-7 | 8-hour TWA: 800 mg/m <sup>3</sup> (200<br>ppm) [Petrol ether (industrial) -<br>heptane based (< 5% n-hexane)]         |
|                       | Liquid Additive   | 64742-46-7 | 15-minute STEL: 1200 mg/m <sup>3</sup><br>(300 ppm) [Petrol ether<br>(industrial) - heptane based (<<br>5% n-hexane)] |
|                       | Liquid Additive   | 64742-46-7 | 8-hour TWA: 900 mg/m <sup>3</sup> (200<br>ppm) [Petrol ether (industrial) -<br>octane based]                          |
|                       | Liquid Additive   | 64742-46-7 | 15-minute STEL: 1400 mg/m <sup>3</sup><br>(300 ppm) [Petrol ether<br>(industrial) - octane based]                     |
| Slovenia              | Pigment or Powder | 147-14-8   | 8-hour TWA: 1 mg/m <sup>3</sup>   |
|                       | Pigment or Powder | 147-14-8   | STEL: 4 mg/m <sup>3</sup>   |
|                       | Powder Additive   | 7631-86-9  | 8-hour TWA: 4 mg/m <sup>3</sup> (Silica,<br>inhalable fraction)   |
| Croatia               | Powder            | 1317-65-3  | TWA 8-hr: 10 mg/m <sup>3</sup> (Total dust);<br>4 mg/m <sup>3</sup> (Respirable dust)                                 |
|                       | Powder            | 13463-67-7 | OEL: TWA 10.0 mg/m <sup>3</sup> (Total<br>dust) 15-min  |
|                       | Powder            | 13463-67-7 | OEL: TWA 4.0 mg/m <sup>3</sup> (Respirable<br>dust) 15-min  |
|                       | Powder Additive   | 7631-86-9  | Maximum (8 hr) allowable<br>concentration: 6 mg/m <sup>3</sup> (Total<br>dust)  |
|                       | Powder Additive   | 7631-86-9  | Maximum (8 hr) allowable<br>concentration: 2.4 mg/m <sup>3</sup><br>(Respirable dust)                                 |
| Cyprus                | Powder            | 13463-67-7 | OEL: TWA 10.0 mg/m <sup>3</sup> 8-hr  |

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| Country (Legal Basis) | Substance         | Identifier | Permissible concentration  |
|-----------------------|-------------------|------------|--|
|                       | Powder Additive   | 7631-86-9  | 8-hour TWA: 5 mg/m <sup>3</sup> (Silicon dioxide (amorphous) (particles > 5 micrometers))  |
|                       | Powder Additive   | 7631-86-9  | 8-hour TWA: 2 mg/m <sup>3</sup> (Silicon dioxide (amorphous) (particles > 5 micrometers))  |
| Finland               | Pigment or Powder | 147-14-8   | 8-hour limit: 0.02 mg/m <sup>3</sup>   |
|                       | Powder            | 1317-65-3  | TWA 8-hr: 10 mg/m <sup>3</sup>   |
|                       | Powder            | 13463-67-7 | OEL: TWA 10.0 mg/m <sup>3</sup> 8-hr   |
|                       | Powder Additive   | 7631-86-9  | 8-hour limit: 5 mg/m <sup>3</sup>  |
|                       | Liquid Additive   | 64742-46-7 | 8-hour limit: 5 mg/m <sup>3</sup>  |
| Austria               | Pigment or Powder | 147-14-8   | MAK TWA: 0.1 mg/m <sup>3</sup>   |
|                       | Pigment or Powder | 147-14-8   | MAK STEL: 0.4 mg/m <sup>3</sup>  |
|                       | Powder            | 13463-67-7 | OEL: TWA 5 mg/m <sup>3</sup>   |
|                       | Powder            | 13463-67-7 | OEL: STEL 10 mg/m <sup>3</sup>   |
|                       | Powder Additive   | 7631-86-9  | TWA: 4 mg/m <sup>3</sup>   |
| Italy                 | Pigment or Powder | 147-14-8   | 8-hour TWA: 0.2 mg/m <sup>3</sup>  |
|                       | Powder            | 13463-67-7 | OEL: TWA 10.0 mg/m <sup>3</sup> 8-hr   |
|                       | Liquid Additive   | 64742-46-7 | 8-hour TWA: 5 mg/m <sup>3</sup> (Mineral oil, excluding metal working fluids, pure, highly and severely refined; Inhalable fraction) |
| Slovakia              | Powder            | 1317-65-3  | NPEL TWA 8-hr: 10 mg/m <sup>3</sup>  |
|                       | Powder            | 13463-67-7 | OEL: TWA (NPEL) 5 mg/m <sup>3</sup> 8-hr   |
|                       | Powder Additive   | 7631-86-9  | 8-hour TWA (NPEL): 4 mg/m <sup>3</sup> (Silica, amorphous (heat and wet processes, unfired diatomaceous earth, diatomite))           |
|                       | Powder Additive   | 7631-86-9  | 8-hour TWA (NPEL): 0.3 mg/m <sup>3</sup> (Silica, amorphous (fused silica, fused silica, fumes, burnt diatomaceous earth))           |
|                       | Liquid Additive   | 64742-46-7 | 8-hour TWA (NPEL): 5 ppm (1 mg/m <sup>3</sup> ) [Liquid mineral oil mist, fumes]   |
|                       | Liquid Additive   | 64742-46-7 | 15-minute STEL (NPEL): 15 ppm (3 mg/m <sup>3</sup> ) [Liquid mineral oil mist, fumes]  |
| Belgium               | Powder            | 1317-65-3  | TWA 8-hr: 10 mg/m <sup>3</sup>   |
|                       | Powder            | 13463-67-7 | OEL: TWA 10.0 mg/m <sup>3</sup> 8-hr   |
|                       | Powder Additive   | 7631-86-9  | 8-hour TWA: 10 mg/m <sup>3</sup>   |
|                       | Liquid Additive   | 64742-46-7 | 8-hour TWA: 5 mg/m <sup>3</sup> [Mineral oils (mist)]  |
|                       | Liquid Additive   | 64742-46-7 | 15-minute STEL: 10 mg/m <sup>3</sup> [Mineral oils (mist)]   |
| Poland                | Powder            | 13463-67-7 | OEL: TWA (NDS) 10.0 mg/m <sup>3</sup> 8-hr   |
|                       | Liquid Additive   | 64742-46-7 | 8-hour TWA (NDS): 500 mg/m <sup>3</sup> (Benzene, extraction)  |

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|-----------------------|-----------------|------------|---|
|                       | Powder Additive | 7631-86-9  | 8-hour TWA (NDS): 10 mg/m <sup>3</sup><br>(Dusts of amorphous and synthetic silicas, amorphous synthetic silica (precipitated and gel), inhalable fraction) |
|                       | Powder Additive | 7631-86-9  | 8-hour TWA (NDS): 2 mg/m <sup>3</sup><br>(Dusts of amorphous and synthetic silicas, amorphous synthetic silica (precipitated and gel), respirable fraction) |
|                       | Liquid Additive | 64742-46-7 | 15-minute STEL (NDSch): 1500 mg/m <sup>3</sup> (Benzine, extraction)  |
|                       | Liquid Additive | 64742-46-7 | 8-hour TWA (NDS): 5 mg/m <sup>3</sup><br>(Highly refined mineral oils with the exception of cutting fluids, Inhalable fraction)                             |
| France                | Powder          | 1317-65-3  | VME TWA: 10 mg/m <sup>3</sup>   |
|                       | Powder          | 13463-67-7 | OEL: (VME) 10 mg/m <sup>3</sup>   |
| Greece                | Powder          | 1317-65-3  | TWA 8-hr: 10 mg/m <sup>3</sup> (Inhalable dust); 5 mg/m <sup>3</sup> (Respirable dust)  |
|                       | Powder          | 13463-67-7 | OEL: TWA 10.0 mg/m <sup>3</sup> (Inhalable) 8-hr  |
|                       | Powder          | 13463-67-7 | OEL: TWA 5.0 mg/m <sup>3</sup> (Respirable dust) 8-hr   |
|                       | Liquid Additive | 64742-46-7 | 8-hour TWA: 5 mg/m <sup>3</sup> [Paraffin oil (mist)]   |
| Ireland               | Powder          | 1317-65-3  | TWA 8-hr: 10 mg/m <sup>3</sup> (Total dust); 4 mg/m <sup>3</sup> (Respirable dust)  |
|                       | Powder          | 13463-67-7 | OEL: TWA 10.0 mg/m <sup>3</sup> (Inhalable dust) 8-hr   |
|                       | Powder Additive | 7631-86-9  | 8-hour OEL (TWA): 6 mg/m <sup>3</sup> (Silica, amorphous, Total inhalable dust)   |
|                       | Powder          | 13463-67-7 | OEL: TWA 4.0 mg/m <sup>3</sup> (Respirable dust) 8-hr   |
|                       | Powder Additive | 7631-86-9  | 8-hour OEL (TWA): 2.4 mg/m <sup>3</sup> (Silica, amorphous, Respirable dust)  |
|                       | Liquid Additive | 64742-46-7 | 8-hour OEL (TWA): 5 mg/m <sup>3</sup> (Mineral oil, pure, highly and severely refined; Inhalable fraction)  |
| United Kingdom        | Powder          | 1317-65-3  | TWA 8-hr: 10 mg/m <sup>3</sup> (Total dust); 4 mg/m <sup>3</sup> (Respirable dust)  |
|                       | Powder Additive | 7631-86-9  | TWA: 6 mg/m <sup>3</sup> (Silica, amorphous, inhalable dust)  |
|                       | Powder Additive | 7631-86-9  | TWA: 2.4 mg/m <sup>3</sup> (Silica, amorphous, respirable dust)   |
|                       | Powder          | 13463-67-7 | OEL: TWA 10.0 mg/m <sup>3</sup> (Total dust)  |
|                       | Powder          | 13463-67-7 | OEL: TWA 4.0 mg/m <sup>3</sup> (Respirable dust)  |
| Denmark               | Powder          | 13463-67-7 | OEL: TWA 6.0 mg/m <sup>3</sup>  |
|                       | Liquid Additive | 64742-46-7 | TWA: 1 mg/m <sup>3</sup>  |



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|-----------------------|-----------------|------------|--|
| Germany               | Powder Additive | 7631-86-9  | Limit value: 4 mg/m <sup>3</sup>   |
| European Union        | Liquid Additive | 64742-46-7 | SCOEL: 8-hour TWA: 5 mg/m <sup>3</sup>                                     |
| Portugal              | Powder          | 13463-67-7 | OEL: TWA 10.0 mg/m <sup>3</sup> 8-hr                                       |
|                       | Liquid Additive | 64742-46-7 | 8-hour exposure limit: 400 ppm   |
|                       | Liquid Additive | 64742-46-7 | 8-hour exposure limit: 5 mg/m <sup>3</sup>                                 |
|                       | Liquid Additive | 64742-46-7 | Short-term exposure limit: 10 mg/m <sup>3</sup>                            |
| Spain                 | Powder          | 13463-67-7 | OEL: (VLA_ED) 10.0 mg/m <sup>3</sup> 8-hr                                  |
|                       | Liquid Additive | 64742-46-7 | 8-hour daily exposure limit (VLA_ED): 5 mg/m <sup>3</sup>                  |
|                       | Liquid Additive | 64742-46-7 | 15-minute STEL (VLA-EC): 10 mg/m <sup>3</sup>                              |
| Sweden                | Powder          | 13463-67-7 | OEL: (NGV) 5.0 (Total dust) mg/m <sup>3</sup>                              |
|                       | Liquid Additive | 64742-46-7 | Level Limit Value (NGV): 1 mg/m <sup>3</sup> (Oil mist including oil fume) |
|                       | Liquid Additive | 64742-46-7 | Short Term Limit (KTV): 3 mg/m <sup>3</sup> (Oil mist including oil fume)  |
| Netherlands           | Liquid Additive | 64742-46-7 | Binding 8-hour TWA: 5 mg/m <sup>3</sup> [Oil mist (mineral oil)]           |

### Biological limit values:

No biological exposure limits noted for the ingredient(s).

### Derived No Effect Level (DNEL):

Not determined or not applicable.

### Predicted No Effect Concentration (PNEC):

Not determined or not applicable.

### Information on monitoring procedures:

Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls  
Biological monitoring may also be appropriate for some substances

## 8.2 Exposure controls

### Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling.

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

### Personal protection equipment

#### Eye and face protection:

Safety goggles or glasses, or appropriate eye protection.

#### Skin and body protection:

Select glove material impermeable and resistant to the substance.

Wear appropriate clothing to prevent any possibility of skin contact.

#### Respiratory protection:

If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.

### General hygienic measures:

Avoid contact with skin, eyes and clothing.

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Wash hands before breaks and at the end of work.

Wash contaminated clothing before reuse.

### Environmental exposure controls:

Select controls based on a risk assessment of local conditions.

See section 6 for information on accidental release measures.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

|   |                                  |
|---|----------------------------------|
| Appearance                              | Black paste                      |
| Odor                                    | Not available                    |
| Odor threshold                          | Not available                    |
| pH                                      | Not available                    |
| Melting point/freezing point            | Not available                    |
| Initial boiling point/range             | Not available                    |
| Flash point (closed cup)                | 100°C (212°F)                    |
| Evaporation rate                        | Not available                    |
| Flammability (solid, gas)               | Not available                    |
| Upper flammability/explosive limit      | Not available                    |
| Lower flammability/explosive limit      | Not available                    |
| Vapor pressure                          | Not available                    |
| Vapor density                           | Not available                    |
| Density                                 | 1.015                            |
| Relative density                        | Not available                    |
| Solubilities                            | Not determined or not available. |
| Partition coefficient (n-octanol/water) | Not available                    |
| Auto/Self-ignition temperature          | Not available                    |
| Decomposition temperature               | Not available                    |
| Dynamic viscosity                       | Not available                    |
| Kinematic viscosity                     | Not available                    |
| Explosive properties                    | Not available                    |
| Oxidizing properties                    | Not available                    |

### 9.2 Other information

## SECTION 10: Stability and reactivity

### 10.1 Reactivity:

Does not react under normal conditions of use and storage.

### 10.2 Chemical stability:

Stable under normal conditions of use and storage.

### 10.3 Possibility of hazardous reactions:

None under normal conditions of use and storage.

### 10.4 Conditions to avoid:

None known.

### 10.5 Incompatible materials:

None known.

### 10.6 Hazardous decomposition products:

None known.

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### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

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

**Product data:** No data available.

**Substance data:** No data available.

##### Skin corrosion/irritation

**Assessment:** Causes skin irritation

**Product data:**

No data available.

**Substance data:**

| Name            | Result                                   |
|-----------------|--|
| Liquid Additive | Causes severe skin burns and eye damage. |
|                 | Causes severe skin burns and eye damage. |

##### Serious eye damage/irritation

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

**Product data:**

No data available.

**Substance data:** No data available.

##### Respiratory or skin sensitization

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

**Product data:**

No data available.

**Substance data:** No data available.

##### Carcinogenicity

**Assessment:** May cause cancer

**Product data:** No data available.

**Substance data:**

| Name   | Species         | Result  |
|--------|-----------------|---|
| Powder | Not applicable. | Airborne, unbound particles of respirable size are known to cause cancer. |

##### International Agency for Research on Cancer (IARC):

| Name            | Classification   |
|-----------------|--|
| Powder Additive | Group 3 - Not classifiable as to its carcinogenicity to humans |
| Powder          | Group 2B   |

**National Toxicology Program (NTP):** None of the ingredients are listed.

##### Germ cell mutagenicity

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

**Product data:** No data available.

**Substance data:** No data available.

##### Reproductive Toxicity

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

**Product data:**

No data available.

**Substance data:** No data available.

##### Specific target organ toxicity (single exposure)

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

**Product data:**

No data available.

**Substance data:** No data available.

**Specific target organ toxicity (repeated exposure)**

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

**Product data:**

No data available.

**Substance data:** No data available.

**Aspiration toxicity**

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

**Product data:**

No data available.

**Substance data:** No data available.

**Information on likely routes of exposure:**

No data available.

**Symptoms related to the physical, chemical and toxicological characteristics:**

No data available.

**Other information:**

No data available.

### SECTION 12: Ecological information

#### 12.1 Toxicity

**Acute (short-term) toxicity**

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

**Product data:** No data available.

**Substance data:** No data available.

**Chronic (long-term) toxicity**

**Product data:** No data available.

**Substance data:** No data available.

#### 12.2 Persistence and degradability

**Product data:** No data available.

**Substance data:** No data available.

#### 12.3 Bioaccumulative potential

**Product data:** No data available.

**Substance data:** No data available.

#### 12.4 Mobility in soil

**Product data:** No data available.

**Substance data:** No data available.

#### 12.5 Results of PBT and vPvB assessment

**PBT assessment:** This product does not contain any substances that are assessed to be a PBT.

**vPvB assessment:** This product does not contain any substances that are assessed to be a vPvB.

#### 12.6 Other adverse effects: No data available.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

**Relevant information:**

It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities

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### SECTION 14: Transport information

#### International Carriage of Dangerous Goods by Road/Rail (ADR/RID)

|                               |               |
|-------------------------------|---------------|
| UN number                     | Not regulated |
| UN proper shipping name       | Not regulated |
| UN transport hazard class(es) | None          |
| Packing group                 | None          |
| Environmental hazards         | None          |
| Special precautions for user  | None          |

#### International Carriage of Dangerous Goods by Inland Waterways (ADN)

|                               |               |
|-------------------------------|---------------|
| UN number                     | Not regulated |
| UN proper shipping name       | Not regulated |
| UN transport hazard class(es) | None          |
| Packing group                 | None          |
| Environmental hazards         | None          |
| Special precautions for user  | None          |

#### International Maritime Dangerous Goods (IMDG)

|                               |               |
|-------------------------------|---------------|
| UN number                     | Not Regulated |
| UN proper shipping name       | Not Regulated |
| UN transport hazard class(es) | None          |
| Packing group                 | None          |
| Environmental hazards         | None          |
| Special precautions for user  | None          |

#### International Air Transport Association Dangerous Goods Regulations (IATA-DGR)

|                               |               |
|-------------------------------|---------------|
| UN number                     | Not Regulated |
| UN proper shipping name       | Not Regulated |
| UN transport hazard class(es) | None          |
| Packing group                 | None          |
| Environmental hazards         | None          |
| Special precautions for user  | None          |

### SECTION 15: Regulatory information

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

##### European regulations

##### Inventory listing (EINECS):

|            |                 |            |
|------------|-----------------|------------|
| 70131-67-8 | Resin           | Not Listed |
| 63148-62-9 | Liquid Additive | Listed     |
| 64742-46-7 | Liquid Additive | Listed     |
| 4253-34-3  | Liquid Additive | Listed     |
| 17689-77-9 | Liquid Additive | Listed     |

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|            |                   |        |
|------------|-------------------|--------|
| 7631-86-9  | Powder Additive   | Listed |
| 1317-65-3  | Powder            | Listed |
| 13463-67-7 | Powder            | Listed |
| 1332-37-2  | Pigment or Powder | Listed |
| 147-14-8   | Pigment or Powder | Listed |

**REACH SVHC candidate list:** Not determined.

**REACH SVHC Authorizations:** Not determined.

**REACH Restriction:** Not determined.

**Water hazard class (WGK) (Product):** Not determined.

**Water hazard class (WGK) (Substance):**

| Ingredient Name   | CAS        | Class                      |
|-------------------|------------|----------------------------|
| Resin             | 70131-67-8 | Class 1                    |
| Liquid Additive   | 63148-62-9 | 1                          |
| Powder            | 1317-65-3  | Non-hazardous to water.    |
| Powder            | 13463-67-7 | Non-hazardous to water.    |
| Pigment or Powder | 1332-37-2  | nwg non-hazardous to water |
| Pigment or Powder | 147-14-8   | Non-hazardous to water.    |

### Other regulations

**Germany TA Luft:** Germany TA Luft Class III - Section 5.2.2

**Germany MAK:** 8-hour TWA: 4 mg/m<sup>3</sup> (Inhalable fraction)

### 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16: Other information

### Indication of changes:

Not applicable.

**Abbreviations and Acronyms:** None

### Classification procedure:

| Classification according to Regulation (EC) No. 1272/2008 (CLP) | Method Used        |
|---|--------------------|
| Carcinogenicity, category 1B                                    | Calculation method |
| Skin irritation, category 2                                     | Calculation method |

### Summary of classification in section 3:

|                |                              |
|----------------|------------------------------|
| Carc. 1B; H350 | Carcinogenicity, category 1B |
|----------------|------------------------------|

### Summary of hazard statements in section 3:

|      |                  |
|------|------------------|
| H350 | May cause cancer |
|------|------------------|

### Disclaimer:

This product has been classified in accordance with EC No. 1272/2008 (CLP) and EC No. 1907/2006 (REACH). The information provided in this SDS is correct, to the best of our knowledge, based on information available. The information given is designed only as a guidance for safe handling, use, storage, transportation and disposal and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials, unless specified in the text. The responsibility to provide a safe workplace remains with the user.

**NFPA:** 2-0-0

**HMIS:** 2-0-0

**Initial preparation date:** 07.28.2018

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**End of Safety Data Sheet**