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# SAFETY DATA SHEET

**In accordance with OSHA 29 CFR 1910.1200**

**70-08A BLACK**
**Revision Number** 2

**Revision date** 10-Nov-2022
**Supersedes Date:** 03-May-2016

## 1. Identification

### 1.1. Product identifier

**Product Name** 70-08A BLACK

**Other means of identification**
**Other information** Not applicable

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

**Recommended use** Adhesives and/or sealants
**Restrictions on use** No information available

### 1.3. Details of the supplier of the safety data sheet

**Responsible Party**
Bostik Inc.
11320 W. Watertown Plank Road
Wauwatosa, Wisconsin 53226 USA
Phone: +1 (800) 843-0844 (Domestic Toll Free)
Phone: +1 (414) 774-2250 (International)
Fax: +1 (414) 774-8075

**E-mail** msds@bostik.com

### 1.4. Emergency telephone number

**Emergency Telephone** Chemtrec: 1-800-424-9300 (US) , 1-703-527-3887 (Outside U.S.)
**Rocky Mountain Poison Center:** 1-866-767-5089
CHEMTREC (Chemical Transportation Emergency Center)

## 2. Hazard(s) identification

### 2.1. Classification of the substance or mixture

| | |
|---|---|
| Serious eye damage/eye irritation | Category 2A |
| Skin sensitization | Category 1 |
| Reproductive toxicity | Category 1B |

**Hazards not otherwise classified (HNOC)**
Not applicable

### 2.2. Label elements

**EMERGENCY OVERVIEW**

**Danger**

**Hazard statements**
Causes serious eye irritation
May cause an allergic skin reaction
May damage fertility or the unborn child

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**Appearance** No information available **Physical state** Solid **Odor** No information available

**Precautionary Statements - Prevention**
Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves/protective clothing/eye protection/face protection
Wash face, hands and any exposed skin thoroughly after handling
Avoid breathing dust/fume/gas/mist/vapors/spray
Contaminated work clothing must not be allowed out of the workplace

**Precautionary Statements - Response**
IF exposed or concerned: Get medical advice/attention
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF ON SKIN: Wash with plenty of soap and water
If skin irritation or rash occurs: Get medical advice/attention
Wash contaminated clothing before reuse

**Precautionary Statements - Storage**
Store locked up

**Precautionary Statements - Disposal**
Dispose of contents/ container to an approved waste disposal plant

0 % of the mixture consists of ingredient(s) of unknown toxicity

### 2.3. Other Information

Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

## 3. Composition/information on ingredients

### 3.1. Substances

Not applicable.

### Mixture

| Chemical name | CAS No | Weight-% |
|---|---|---|
| Carbonic acid, calcium salt (1:1) | 471-34-1 | 15 - 40 |
| Trimethoxyvinylsilane | 2768-02-7 | 1 - <5 |
| Stearic acid | 57-11-4 | 1 - <5 |
| N-(3-(trimethoxysilyl)propyl)ethylenediamine | 1760-24-3 | 0.1 - <1 |
| Carbon black | 1333-86-4 | 0.1 - <1 |
| Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)- | 22673-19-4 | 0.1 - <1 |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate | 52829-07-9 | 0.1 - <1 |

**The exact percentage (concentration) of composition has been withheld as a trade secret*

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## 4. First-aid measures

### 4.1. Description of first aid measures

**General advice** Show this safety data sheet to the doctor in attendance. If medical advice is needed, have product container or label at hand.

**Inhalation** Remove to fresh air. If symptoms persist, call a physician.

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

**Skin contact** Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.

**Ingestion** Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Do NOT induce vomiting. Call a physician or poison control center immediately. Small amounts of toxic methanol are released by hydrolysis.

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

**Symptoms** Itching. Rashes. Hives. May cause redness and tearing of the eyes.

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

**Note to physicians** May cause sensitization in susceptible persons. May cause sensitization by skin contact. Treat symptomatically. Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

## 5. Fire-fighting measures

### 5.1. Extinguishing media

**Suitable Extinguishing Media**
**Large Fire** Water spray, carbon dioxide (CO2), dry chemical, alcohol-resistant foam.
CAUTION: Use of water spray when fighting fire may be inefficient.

**Unsuitable extinguishing media** Full water jet.

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

**Specific hazards arising from the chemical** Thermal decomposition can lead to release of irritating gases and vapors. Product is or contains a sensitizer. May cause sensitization by skin contact.

**Hazardous combustion products** Carbon oxides. Carbon monoxide. Carbon dioxide (CO2). Silicon dioxide.

**Explosion data**
**Sensitivity to mechanical impact** None.

**Sensitivity to static discharge** None.

### 5.3. Advice for firefighters

**Special protective equipment for fire-fighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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## 6. Accidental release measures

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

**Personal precautions** Use personal protective equipment as required. Ensure adequate ventilation. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling.

**Other information** Refer to protective measures listed in Sections 7 and 8.

### 6.2. Environmental precautions

**Environmental precautions** Prevent entry into waterways, sewers, basements or confined areas. Do not allow to enter into soil/subsoil. See Section 12 for additional Ecological Information.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Use personal protective equipment as required. Take up mechanically, placing in appropriate containers for disposal. Clean contaminated surface thoroughly.

**Reference to other sections** See section 8 for more information. See section 13 for more information.

## 7. Handling and storage

### 7.1. Precautions for safe handling

**Advice on safe handling** Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling. Take off contaminated clothing and wash before reuse.

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

**Storage Conditions** Protect from moisture. Keep away from food, drink and animal feeding stuffs.

**Recommended storage temperature** Keep at temperatures between 50 and 95 °F / 10 and 35 °C.

### 7.3 References to other sections

**Reference to other sections** Section 13: DISPOSAL CONSIDERATIONS
Section 10: STABILITY AND REACTIVITY

## 8. Exposure controls/personal protection

### 8.1. Control parameters

**Exposure Limits** This product contains substances which in their raw state are powder form, however in this product they are in a non-respirable form. Inhalation of powder/dust particles is unlikely to occur from exposure to this product. Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

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| Chemical name | ACGIH TLV | OSHA PEL | NIOSH |
|---|---|---|---|
| Carbonic acid, calcium salt (1:1)<br>471-34-1 | - | - | TWA: 10 mg/m³ total dust<br>TWA: 5 mg/m³ respirable dust |
| Stearic acid<br>57-11-4 | TWA: 10 mg/m³ inhalable particulate matter<br>TWA: 3 mg/m³ respirable particulate matter | - | - |
| Carbon black<br>1333-86-4 | TWA: 3 mg/m³ inhalable particulate matter | TWA: 3.5 mg/m³<br>(vacated) TWA: 3.5 mg/m³ | IDLH: 1750 mg/m³<br>TWA: 3.5 mg/m³<br>TWA: 0.1 mg/m³ Carbon black in presence of Polycyclic aromatic hydrocarbons PAH |
| Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-<br>22673-19-4 | STEL: 0.2 mg/m³ Sn<br>TWA: 0.1 mg/m³ Sn<br>S* | TWA: 0.1 mg/m³ Sn<br>(vacated) TWA: 0.1 mg/m³ Sn<br>(vacated) S* | IDLH: 25 mg/m³ Sn<br>TWA: 0.1 mg/m³ except Cyhexatin Sn |

| Chemical name | Argentina | Brazil | Chile | Colombia |
|---|---|---|---|---|
| Stearic acid<br>57-11-4 | - | TWA: 10 mg/m³ | - | TWA: 10mg/m³<br>TWA: 3mg/m³ |
| Carbon black<br>1333-86-4 | TWA: 3.5 mg/m³ | TWA: 3.5 mg/m³ | - | TWA: 3mg/m³ |
| Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-<br>22673-19-4 | TWA: 0.1 mg/m³<br>Skin<br>STEL: 0.2 mg/m³ | TWA: 0.1 mg/m³<br>STEL: 0.2 mg/m³ | LPP: 0.09 mg/m³<br>S* | STEL: 0.2mg/m³<br>TWA: 0.1mg/m³ |

| Chemical name | Costa Rica | Peru | Uruguay | Venezuela |
|---|---|---|---|---|
| Carbonic acid, calcium salt (1:1)<br>471-34-1 | - | TWA: 10mg/m³ | - | TWA: 10 mg/m³ |
| Stearic acid<br>57-11-4 | - | - | 10 mg/m³ TWA (inhalable particulate matter, listed under Stearates); 3 mg/m³ TWA (respirable particulate matter, listed under Stearates) | - |
| Carbon black<br>1333-86-4 | TWA: 3mg/m³ | TWA: 3.5mg/m³ | 3 mg/m³ TWA (inhalable particulate matter) | TWA: 3.5 mg/m³ |
| Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-<br>22673-19-4 | TWA: 0.1mg/m³<br>STEL: 0.2mg/m³ | STEL: 0.2mg/m³<br>TWA: 0.1mg/m³ | 0.2 mg/m³ STEL (as Sn)<br>0.1 mg/m³ TWA (as Sn) | Skin<br>STEL: 0.2 mg/m³<br>TWA: 0.1 mg/m³ |

## 8.2. Exposure controls

**OTHER INFORMATION** Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing.

| Chemical name | ACGIH TLV | OSHA PEL | NIOSH |
|---|---|---|---|
| Methyl alcohol<br>67-56-1 | STEL: 250 ppm<br>TWA: 200 ppm<br>S* | TWA: 200 ppm<br>TWA: 260 mg/m³<br>(vacated) TWA: 200 ppm | IDLH: 6000 ppm<br>TWA: 200 ppm<br>TWA: 260 mg/m³ |

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| Chemical name | ACGIH TLV | OSHA PEL | NIOSH |
|---|---|---|---|
| | | (vacated) TWA: 260 mg/m³<br>(vacated) STEL: 250 ppm<br>(vacated) STEL: 325 mg/m³<br>(vacated) S* | STEL: 250 ppm<br>STEL: 325 mg/m³ |

| Chemical name | Argentina | Brazil | Chile | Colombia |
|---|---|---|---|---|
| Methyl alcohol<br>67-56-1 | TWA: 200 ppm<br>Skin<br>STEL: 250 ppm | TWA: 156 ppm<br>TWA: 200 mg/m³<br>STEL: 250 ppm<br>Skin | LPP: 175 ppm<br>LPP: 229 mg/m³<br>S*<br>LPT: 250 ppm<br>LPT: 328 mg/m³ | STEL: 250ppm<br>TWA: 200ppm |

| Chemical name | Costa Rica | Peru | Uruguay | Venezuela |
|---|---|---|---|---|
| Methyl alcohol<br>67-56-1 | TWA: 200ppm<br>STEL: 250ppm | STEL: 250ppm<br>STEL: 328mg/m³<br>TWA: 200ppm<br>TWA: 262mg/m³ | 250 ppm STEL<br>200 ppm TWA | Skin<br>STEL: 250 ppm<br>TWA: 200 ppm |

**Appropriate engineering controls**

**Engineering controls** Showers
Eyewash stations
Ventilation systems.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Wear safety glasses with side shields (or goggles).

**Hand protection** Wear suitable chemical resistant gloves. The selection of suitable gloves does not only depend on the material, but also on further marks of quality and various manufacturers.

**Skin and body protection** Wear suitable protective clothing.

**Respiratory protection** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**General hygiene considerations** Wear suitable gloves and eye/face protection. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes or clothing. Wash hands before breaks and immediately after handling the product. Contaminated work clothing should not be allowed out of the workplace. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Regular cleaning of equipment, work area and clothing is recommended.

## 9. Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**Physical state** Solid
**Appearance** No information available
**Color** Black

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| | |
|---|---|
| **Odor** | No information available |
| **Odor threshold** | No information available |

| **Property** | **Values** | **Remarks • Method** |
|---|---|---|
| **pH** | . | |
| **pH (as aqueous solution)** | No data available | None known |
| **Melting point / freezing point** | No data available | None known |
| **Initial boiling point and boiling range** | No data available | None known |
| **Flash point** | > 93.3 °C / 200 °F | |
| **Evaporation rate** | No data available | None known |
| **Flammability** | No data available | None known |
| **Flammability Limit in Air** | | None known |
| **Upper flammability or explosive limits** | No data available | |
| **Lower flammability or explosive limits** | No data available | |
| **Vapor pressure** | No data available | None known |
| **Relative vapor density** | No data available | None known |
| **Relative density** | No data available | None known |
| **Water solubility** | No data available | None known |
| **Solubility(ies)** | No data available | None known |
| **Partition coefficient** | No data available | None known |
| **Autoignition temperature** | No data available | None known |
| **Decomposition temperature** | No data available | None known |
| **Kinematic viscosity** | No data available | None known |
| **Dynamic viscosity** | No data available | None known |

**9.2. Other information**

| | |
|---|---|
| **Explosive properties** | No information available |
| **Oxidizing properties** | No information available |
| **Solvent content (%)** | No information available |
| **Solid content (%)** | 100.0 |
| **Softening Point** | No information available |
| **Molecular weight** | No information available |
| **VOC content** | < 30 g/L No information available |
| **Liquid Density** | 1.31 g/cm³ |
| **Bulk density** | No information available |

## 10. Stability and reactivity

**10.1. Reactivity**

**Reactivity** Product cures with moisture.

**10.2. Chemical stability**

**Chemical stability** Stable under normal conditions.

**10.3. Possibility of hazardous reactions**

**Possibility of hazardous reactions** None under normal processing.

**10.4. Conditions to avoid**

**Conditions to avoid** Protect from moisture. Exposure to air or moisture over prolonged periods. Do not freeze. Keep away from open flames, hot surfaces and sources of ignition.

**10.5. Incompatible materials**

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**Incompatible materials** None known based on information supplied.

**10.6. Hazardous decomposition products**

**Hazardous decomposition products** Small amounts of methanol (CAS 67-56-1) are formed by hydrolysis and released upon curing

## 11. Toxicological information

**11.1. Information on toxicological effects**

**Product Information**

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

**Eye contact** Specific test data for the substance or mixture is not available. Causes serious eye irritation. (based on components).

**Skin contact** Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. May cause sensitization by skin contact. (based on components).

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

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

**Symptoms** Itching. Rashes. Hives.

**Acute toxicity**
**Numerical measures of toxicity**

**The following values are calculated based on chapter 3.1 of the GHS document**
**ATEmix (inhalation-vapor)** 336.80 mg/l

**Component Information**

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|---|---|---|
| Carbonic acid, calcium salt (1:1) 471-34-1 | LD50 > 2000 mg/kg (Rattus) OECD 420 | LD50 >2000 mg/kg (Rattus) OECD 402 | LC50 (4h) >3mg/ml (Rattus) |
| Trimethoxyvinylsilane 2768-02-7 | LD50 = 7120 -7236 mg/kg (Rattus) OECD 401 | = 3540 mg/kg (Oryctolagus cuniculus) | LC50 (4hr) 16.8 mg/l (Rattus) OECD TG 403 |
| Stearic acid 57-11-4 | >5000 mg/Kg (Oryctolagus cuniculus) | > 5 g/kg (Oryctolagus cuniculus) | - |
| N-(3-(trimethoxysilyl)propyl)ethylenediamine 1760-24-3 | =2295 mg/kg (Rattus) | >2000 mg/Kg (Rattus) | LC50 4H (Aerosol)1.5 - 2.44 mg/L air |
| Carbon black 1333-86-4 | LD50 > 8000 mg/kg (Rattus) OECD 401 | > 3 g/kg (Oryctolagus cuniculus) | > 4.6 mg/m$^3$ ( Rat ) 4 h |
| Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-22673-19-4 | LD50 = 1864 mg/kg (Rattus) OECD 401 | LD50 > 2000 mg/kg (Rattus) OECD 402 | LC50 4hr: 16.8 mg/l (Rattus) (OECD TG 403) |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | LD50 (Rattus)> 2000 mg/kg OECD 423 | LD50 (Rattus) > 3 170 mg/kg OECD 402 | =500 mg/m$^3$ (Rattus) 4 h |

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**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

**Skin corrosion/irritation** Based on available data, the classification criteria are not met.

Trimethoxyvinylsilane (2768-02-7)

| Method | Species | Exposure route | Effective dose | Exposure time | Results |
|---|---|---|---|---|---|
| | Rabbit | Dermal | 0.5 mL | 24 hours | Non-irritant |

Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9)

| Method | Species | Exposure route | Effective dose | Exposure time | Results |
|---|---|---|---|---|---|
| OECD Test No. 404: Acute Dermal Irritation/Corrosion | Rabbit | Dermal | | | Non-irritant |

**Serious eye damage/eye irritation** Causes serious eye irritation.

Trimethoxyvinylsilane (2768-02-7)

| Method | Species | Exposure route | Effective dose | Exposure time | Results |
|---|---|---|---|---|---|
| OECD Test No. 405: Acute Eye Irritation/Corrosion | Rabbit | eye | | 24 hours | Non-irritant |

Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9)

| Method | Species | Exposure route | Effective dose | Exposure time | Results |
|---|---|---|---|---|---|
| OECD Test No. 405: Acute Eye Irritation/Corrosion | Rabbit | eye | | | Eye Damage |

**Respiratory or skin sensitization** May cause sensitization by skin contact.

Trimethoxyvinylsilane (2768-02-7)

| Method | Species | Exposure route | Results |
|---|---|---|---|
| OECD Test No. 406: Skin Sensitization, Buehler test | Guinea pig | Dermal | sensitizing |

Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9)

| Method | Species | Exposure route | Results |
|---|---|---|---|
| OECD Test No. 406: Skin Sensitization | Guinea pig | | No sensitization responses were observed |

**Germ cell mutagenicity** Based on available data, the classification criteria are not met.

Trimethoxyvinylsilane (2768-02-7)

| Method | Species | Results |
|---|---|---|
| OECD Test No. 471: Bacterial Reverse Mutation Test | in vitro | Not mutagenic |

Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)- (22673-19-4)

| Method | Species | Results |
|---|---|---|
| OECD Test No. 476: In vitro Mammalian Cell Gene Mutation Test | in vitro | Mutagenic |

Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9)

**Carcinogenicity** As Carbon black (1333-86-4) is inextricably bound in the polymer matrix, it is not expected to be available as an airborne hazard (dust, mist, or spray) under normal condition of uses.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

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| Chemical name | ACGIH | IARC | NTP | OSHA |
|---|---|---|---|---|
| Carbon black 1333-86-4 | A3 | Group 2B | - | X |

**Legend**
**ACGIH (American Conference of Governmental Industrial Hygienists)**
*A3 - Animal Carcinogen*
**IARC (International Agency for Research on Cancer)**
*Group 2B - Possibly Carcinogenic to Humans*
**OSHA (Occupational Safety and Health Administration of the US Department of Labor)**
*X - Present*

**Reproductive toxicity** Contains a known or suspected reproductive toxin. Classification based on data available for ingredients. May cause harm to breast-fed children.

Trimethoxyvinylsilane (2768-02-7)

| Method | Species | Results |
|---|---|---|
| OECD Test No. 422: Combined Repeated Dose Toxicity Study with the Reproduction/Developmental Toxicity Screening Test | Rat | Not Classifiable |

Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate (52829-07-9)

| Method | Species | Results |
|---|---|---|
| OECD Test No. 414: Prenatal Development Toxicity Study | Rat, Rabbit | Reproductive toxicant |

**STOT - single exposure** Based on available data, the classification criteria are not met.

**STOT - repeated exposure** Based on available data, the classification criteria are not met.

Trimethoxyvinylsilane (2768-02-7)

| Method | Species | Exposure route | Effective dose | Exposure time | Results |
|---|---|---|---|---|---|
| OECD Test No. 413: Subchronic Inhalation Toxicity: 90-day Study | Rat | Inhalation vapor | | 90 days | 0.058 NOAEL |

**Target organ effects** Eyes, Respiratory system, Skin, Reproductive system.

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

**Other adverse effects** No information available.

**Interactive effects** No information available.

## 12. Ecological information

### 12.1. Toxicity

**Ecotoxicity**

| Chemical name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---|---|---|---|---|
| Carbonic acid, calcium salt (1:1) | IC50 72H Algae >1000 mg/l | CL50 96H >1000 mg/l | - | EC50 48H Daphnia >1000 mg/l |

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| | | | | |
|---|---|---|---|---|
| 471-34-1 | | | | |
| Trimethoxyvinylsilane 2768-02-7 | EC 50 (72h) > 957 mg/l (Desmodesmus subspicatus) EU Method C.3 | LC50 (96h) = 191 mg/l (Oncorhynchus mykiss) | - | EC50(48hr) 168.7mg/l (Daphnia magna) |
| Stearic acid 57-11-4 | EC50 >1016 mg/l 72Hr microbial growth inhibition | LC50 >1000 mg/l , 48 Hour | - | - |
| N-(3-(trimethoxysilyl)propyl)ethylenediamine 1760-24-3 | - | LC50 (96H) =597 mg/L (Danio rerio)Semi-static | - | EC50 (48h) =81mg/L Daphnia magna Static |
| Carbon black 1333-86-4 | >10000 mg/l (Desmodesmus subspicatus) OECD 202 | >1000 mg/l (Brachydanio rerio) OCDE 203 | - | EC50: >5600mg/L (24h, Daphnia magna) |
| Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-22673-19-4 | >2.0 mg/l | >2.0 mg/l | - | EC50 0.0036 mg/l 48Hr (Daphnia magna) |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | EC50 72Hr 0.705 mg/l (Pseudokirchnerella subcapitata) | LC50 (96h) = 5.29 mg/l (Oryzias latipes) | - | LC50 48Hr 8.58 mg/l (Daphnia magna) |

### 12.2. Persistence and degradability

**Persistence and degradability** No information available.

### 12.3. Bioaccumulative potential

**Bioaccumulation** There is no data for this product.

**Component Information**

| Chemical name | Partition coefficient |
|---|---|
| Trimethoxyvinylsilane 2768-02-7 | 1.1 |
| Stearic acid 57-11-4 | 8 |
| N-(3-(trimethoxysilyl)propyl)ethylenediamine 1760-24-3 | -0.3 |
| Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate 52829-07-9 | 0.35 |

### 12.4. Mobility in soil

**Mobility** No information available.

### Other adverse effects

**Other adverse effects** No information available.

## 13. Disposal considerations

### 13.1. Waste treatment methods

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| | |
|---|---|
| **Waste from residues/unused products** | It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations. |
| **Contaminated packaging** | Dispose of in accordance with federal, state and local regulations. |

## 14. Transport information

**Note:** The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments made in non-bulk packages (see regulatory definition) The information shown here, may not always agree with the bill of lading shipping description for the material 49 CFR 171.4(c) "Exceptions. Except when all or part of the transportation is by vessel, the requirements of this subchapter specific to marine pollutants do not apply to non-bulk packagings transported by motor vehicle, rail car or aircraft."

**DOT**

| | |
|---|---|
| **UN number or ID number** | UN3077 |
| **Proper Shipping Name** | Environmentally hazardous substance, solid, n.o.s. |
| **Transport hazard class(es)** | 9 |
| **Packing Group** | III |
| **Special Provisions** | 146, 335, A112, B54, B120, IB8, IP3, N20, N91, T1, TP33, 8 |
| **Marine Pollutant** | I |
| **DOT Marine Pollutant Name** | Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-, Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate |
| **Description** | UN3077, Environmentally hazardous substance, solid, n.o.s. (Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-, Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate), 9, III, Marine Pollutant |
| **Emergency Response Guide Number** | 171 |

**IATA**

| | |
|---|---|
| **UN number or ID number** | UN3077 |
| **UN proper shipping name** | Environmentally hazardous substance, solid, n.o.s. |
| **Transport hazard class(es)** | 9 |
| **Packing group** | III |
| **Special Provisions** | A97, A158, A179, A197, A215 |
| **Description** | UN3077, Environmentally hazardous substance, solid, n.o.s. (Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-, Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate), 9, III |

**IMDG**

| | |
|---|---|
| **UN number or ID number** | UN3077 |
| **UN proper shipping name** | Environmentally hazardous substance, solid, n.o.s. |
| **Transport hazard class(es)** | 9 |
| **Packing group** | III |
| **EmS-No** | F-A, S-F |
| **Special Provisions** | 274, 335, 966, 967, 969 |
| **Marine pollutant** | P |
| **IMDG Marine Pollutant Name** | Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-, Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate |
| **Description** | UN3077, Environmentally hazardous substance, solid, n.o.s. (Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)-, Bis(2,2,6,6-tetramethyl-4-piperidyl) sebacate), 9, III, Marine Pollutant |

## 15. Regulatory information

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# SAFETY DATA SHEET



**International Inventories**

| | |
|---|---|
| **TSCA** | Listed |
| **DSL** | Listed |

**Legend:**
**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
**DSL** - Canadian Domestic Substances List
**Listed** - The components of this product are either listed or exempt from listing on inventory.
**Not Listed** - One or more components of this product are not listed on inventory.

**US Federal Regulations**

**SARA 313**
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

**SARA 311/312 Hazard Categories**
Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

**Europe**

**Restrictions of Use of Hazardous Substances (RoHS) Directive 2011/65/EU**

This product does not contain Lead, Cadmium, Mercury, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-Ethylhexyl) phthalate (DEHP), Benzyl butyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) above the regulated limit mentioned in this regulation. This document is based on the information given to us by our own suppliers at the date of this document.

**SVHC: Substances of Very High Concern for Authorization:**
This product contains one or more candidate substance(s) of very high concern (Regulation (EC) No. 1907/2006 (REACH), Article 59)

| Chemical name | CAS No | SVHC candidates |
|---|---|---|
| Tin, dibutylbis(2,4-pentanedionato-O,O')-, (OC-6-11)- | 22673-19-4 | X |
| 2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol | 25973-55-1 | X |

## 16. Other information

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

| | | | |
|---|---|---|---|
| TWA | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value | * | Skin designation |

**Prepared By** Product Safety & Regulatory Affairs.

**Revision date** 10-Nov-2022

**Revision Note** SDS sections updated. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 14. 15. 16.

**Disclaimer**
**The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage,**

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# SAFETY DATA SHEET



**transportation, disposal and release 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 or in any process, unless specified in the text.**

**End of Safety Data Sheet**