

# Safety Data Sheet

Issue Date: 25-Jan-2022

Revision Date: 27-Jan-2022

Version 1

## 1. IDENTIFICATION

### Product identifier

Product Name EV-300

### Other means of identification

SDS # BT-008-CA

Synonyms None

### Recommended use of the chemical and restrictions on use

Recommended Use Sealing compound, silicone

Uses Advised Against No information available

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

#### Initial supplier identifier

THIS SAFETY DATA SHEET  
IS NOT COMPLIANT UNLESS  
CANADIAN ADDRESS IS USED

#### Manufacturer Address

Bosch Thermotechnology Corp.  
50 Wentworth Ave.  
Londonderry, NH 03053  
Phone: 1-800-283-3787

#### Emergency telephone number

Initial supplier phone number Please enter Initial Suppliers Phone Number here

## 2. HAZARDS IDENTIFICATION

Appearance Paste, viscous

Physical state Paste

Odour Characteristic

### Classification

|                                   |            |
|-----------------------------------|------------|
| Skin corrosion/irritation         | Category 2 |
| Serious eye damage/eye irritation | Category 1 |

### Label elements

#### Signal word

Danger

#### Hazard statements

Causes skin irritation  
Causes serious eye damage



**Precautionary Statements - Prevention**

Wash face, hands and any exposed skin thoroughly after handling  
Wear protective gloves/protective clothing/eye protection/face protection

**Precautionary Statements - Response**

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
Immediately call a POISON CENTRE or doctor  
IF ON SKIN: Wash with plenty of water and soap  
If skin irritation occurs: Get medical advice/attention  
Take off all contaminated clothing and wash it before reuse

**3. COMPOSITION/INFORMATION ON INGREDIENTS****Mixture**

| Chemical name         | CAS No      | Weight-% | Hazardous Material<br>Information Review Act<br>registry number<br>(HMIRA registry #) | Date HMIRA filed and<br>date exemption<br>granted (if applicable) |
|-----------------------|-------------|----------|---|---|
| Iron(III) oxide       | 1309-37-1   | 10-30    | -   | -   |
| Silica, fumed         | 112945-52-5 | 5-10     | -   | -   |
| Ethyltriacetoxysilane | 17689-77-9  | 1-5      | -   | -   |

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

**4. FIRST AID MEASURES****Description of first aid measures**

|                       |  |
|-----------------------|--|
| <b>General advice</b> | Provide this SDS to medical personnel for treatment.   |
| <b>Eye contact</b>    | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison centre or doctor/physician. |
| <b>Skin contact</b>   | Wash skin with soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.   |
| <b>Inhalation</b>     | Remove to fresh air.   |
| <b>Ingestion</b>      | Clean mouth with water and drink afterwards plenty of water. Do NOT induce vomiting. If symptoms persist, call a doctor.   |

**Most important symptoms and effects, both acute and delayed**

|                 |  |
|-----------------|--|
| <b>Symptoms</b> | Causes serious eye damage. Causes skin irritation. |
|-----------------|--|

**Indication of any immediate medical attention and special treatment needed**

|                        |                        |
|------------------------|------------------------|
| <b>Note to doctors</b> | Treat symptomatically. |
|------------------------|------------------------|

**5. FIREFIGHTING MEASURES**

|   |   |
|---|---|
| <b>Suitable Extinguishing Media</b>               | Carbon dioxide (CO2). Extinguishing powder. Alcohol resistant foam. Atomized water. |
| <b>Unsuitable extinguishing media</b>             | High power water jet.   |
| <b>Specific hazards arising from the chemical</b> | No information available.   |

**Hazardous combustion products** Carbon monoxide. Carbon dioxide (CO<sub>2</sub>).

**Explosion Data**

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

**Special protective equipment for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions, protective equipment and emergency procedures

**Personal precautions** Ensure adequate ventilation.

### Environmental precautions

**Environmental precautions** See Section 12 for additional Ecological Information.

### 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** Take up mechanically, placing in appropriate containers for disposal.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

## 7. HANDLING AND STORAGE

### Precautions for safe handling

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing and eye/face protection.

### Conditions for safe storage, including any incompatibilities

**Storage Conditions** Keep containers tightly closed in a cool, well-ventilated place. Store away from incompatible materials. Protect against humidity.

**Incompatible materials** Strong oxidising agents Strong reducing agents

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters

#### Exposure Limits

| Chemical name                | Canada - Alberta -<br>Occupational Exposure<br>Limits - Ceilings | Canada - British<br>Columbia -<br>Occupational Exposure<br>Limits - Ceilings                                    | Canada - Ontario -<br>Occupational Exposure<br>Limits - Ceilings | Quebec  |
|------------------------------|--|---|--|---|
| Iron(III) oxide<br>1309-37-1 | TWA: 5 mg/m <sup>3</sup>   | TWA: 10 mg/m <sup>3</sup><br>TWA: 3 mg/m <sup>3</sup><br>TWA: 5 mg/m <sup>3</sup><br>STEL: 10 mg/m <sup>3</sup> | TWA: 5 mg/m <sup>3</sup>   | TWA: 5 mg/m <sup>3</sup><br>TWA: 10 mg/m <sup>3</sup> |

**Appropriate engineering controls**

**Engineering controls** Apply technical measures to comply with the occupational exposure limits.

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

**Eye/face protection** Wear safety glasses with side shields (or goggles). If necessary, refer to appropriate regulations and standards.

**Skin and body protection** Wear protective gloves and protective clothing. If necessary, refer to appropriate regulations and standards.

**Respiratory protection** No protective equipment is needed under normal use conditions. If necessary, refer to appropriate regulations and standards.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

**9. PHYSICAL AND CHEMICAL PROPERTIES****Information on basic physical and chemical properties**

|                        |                                    |
|------------------------|------------------------------------|
| <b>Physical state</b>  | Paste                              |
| <b>Appearance</b>      | Paste, viscous                     |
| <b>Colour</b>          | According to product specification |
| <b>Odour</b>           | Characteristic                     |
| <b>Odour Threshold</b> | Not determined                     |

| <b><u>Property</u></b>                        | <b><u>Values</u></b> | <b><u>Remarks • Method</u></b> |
|---|----------------------|--------------------------------|
| <b>pH</b>                                     | Not determined       |                                |
| <b>Melting point / freezing point</b>         | Not determined       |                                |
| <b>Boiling point / boiling range</b>          | Not determined       |                                |
| <b>Flash point</b>                            | > 150 °C / 302 °F    |                                |
| <b>Evaporation Rate</b>                       | Not determined       |                                |
| <b>Flammability (Solid, Gas)</b>              | Not determined       |                                |
| <b>Flammability Limit in Air</b>              |                      |                                |
| <b>Upper flammability or explosive limits</b> | 17%                  |                                |
| <b>Lower flammability or explosive limits</b> | 4%                   |                                |
| <b>Vapour Pressure</b>                        | Not determined       |                                |
| <b>Vapour Density</b>                         | Not determined       |                                |
| <b>Relative Density</b>                       | Not determined       |                                |
| <b>Water Solubility</b>                       | Not determined       |                                |
| <b>Solubility in other solvents</b>           | Not determined       |                                |
| <b>Partition Coefficient</b>                  | Not determined       |                                |
| <b>Autoignition temperature</b>               | 427 °C / 800 °F      |                                |
| <b>Decomposition temperature</b>              | Not determined       |                                |
| <b>Kinematic Viscosity</b>                    | Not determined       |                                |
| <b>Dynamic Viscosity</b>                      | Not determined       |                                |
| <b>Explosive properties</b>                   | Not determined.      |                                |
| <b>Oxidising properties</b>                   | Not determined.      |                                |

**Other information**

|                         |                |
|-------------------------|----------------|
| <b>Softening Point</b>  | Not determined |
| <b>Molecular weight</b> | Not determined |
| <b>VOC Content (%)</b>  | Not determined |
| <b>Liquid Density</b>   | Not determined |
| <b>Bulk density</b>     | Not determined |

## 10. STABILITY AND REACTIVITY

|   |  |
|---|--|
| <b>Reactivity</b>                         | Not reactive under normal conditions.            |
| <b>Chemical stability</b>                 | Stable under normal conditions.                  |
| <b>Possibility of hazardous reactions</b> | None under normal processing.                    |
| <b>Hazardous Polymerisation</b>           | Hazardous polymerisation does not occur.         |
| <b>Conditions to Avoid</b>                | None known based on information supplied.        |
| <b>Incompatible materials</b>             | Strong oxidising agents. Strong reducing agents. |
| <b>Hazardous decomposition products</b>   | None known based on information supplied.        |

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

|                     |                            |
|---------------------|----------------------------|
| <b>Eye contact</b>  | Causes serious eye damage. |
| <b>Skin contact</b> | Causes skin irritation.    |
| <b>Inhalation</b>   | Do not inhale.             |
| <b>Ingestion</b>    | Do not ingest.             |

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

**Symptoms** Please see section 4 of this SDS for symptoms.

#### Acute toxicity

The following values are calculated based on chapter 3.1 of the GHS document

|                        |           |
|------------------------|-----------|
| <b>ATEmix (oral)</b>   | 5,806.40  |
| <b>ATEmix (dermal)</b> | 15,736.50 |

#### Component Information

| Chemical name                                      | Oral LD50             | Dermal LD50           | Inhalation LC50                      |
|--|-----------------------|-----------------------|--------------------------------------|
| Hydroxy-terminated Dimethyl siloxane<br>70131-67-8 | > 15400 mg/kg ( Rat ) | > 16 mL/kg ( Rabbit ) | > 8750 mg/m <sup>3</sup> ( Rat ) 7 h |
| Iron(III) oxide<br>1309-37-1                       | > 10000 mg/kg ( Rat ) | -                     | -                                    |
| Silica, fumed<br>112945-52-5                       | = 3160 mg/kg ( Rat )  | -                     | -                                    |

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

Group 3 IARC components are "not classifiable as human carcinogens".

| Chemical name                | ACGIH | IARC    | NTP | OSHA |
|------------------------------|-------|---------|-----|------|
| Iron(III) oxide<br>1309-37-1 | -     | Group 3 | -   | -    |
| Silica, fumed<br>112945-52-5 | -     | Group 3 | -   | -    |

**Legend****IARC (International Agency for Research on Cancer)**

Group 3 - Not Classifiable as to Carcinogenicity in Humans

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

| Chemical name                | Algae/aquatic plants | Fish   | Toxicity to microorganisms | Crustacea |
|------------------------------|----------------------|--|----------------------------|-----------|
| Iron(III) oxide<br>1309-37-1 | -                    | 100000: 96 h Danio rerio<br>mg/L LC50 static | -                          | -         |

**Persistence/Degradability**

No information available.

**Bioaccumulation**

No information available.

**Other Adverse Effects**

No information available.

**13. DISPOSAL CONSIDERATIONS****Waste Treatment Methods****Waste from residues/unused products**

Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

**Contaminated packaging**

Do not reuse empty containers.

**14. TRANSPORT INFORMATION****Note**

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances

**DOT**

Not regulated

**TDG**

Not regulated

**IATA**

Not regulated

**IMDG**

Not regulated

**15. REGULATORY INFORMATION****REGULATORY INFORMATION****International Regulations**

Ozone-depleting substances (ODS) Not applicable

The Stockholm Convention on Persistent Organic Pollutants Not applicable

The Rotterdam Convention Not applicable

#### International Inventories

| Chemical name         | TSCA | DSL/NDSL | EINECS/ELI<br>NCS | ENCS | IECSC | KECL | PICCS | AICS |
|-----------------------|------|----------|-------------------|------|-------|------|-------|------|
| Iron(III) oxide       | X    | X        | X                 | X    | X     | X    | X     | X    |
| Silica, fumed         | X    | X        |                   | X    | X     | X    | X     | X    |
| Ethyltriacetoxysilane | X    | X        | X                 | X    | X     | X    | X     | X    |

#### **Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

### 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

|             |                                      |                                    |  |   |
|-------------|--------------------------------------|------------------------------------|--|---|
| <b>NFPA</b> | <b>Health Hazards</b> Not determined | <b>Flammability</b> Not determined | <b>Instability</b> Not determined      | <b>Special Hazards</b> Not determined     |
| <b>HMIS</b> | <b>Health Hazards</b> Not determined | <b>Flammability</b> Not determined | <b>Physical hazards</b> Not determined | <b>Personal Protection</b> Not determined |

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

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

**Revision Date:** 27-Jan-2022

**Revision Note:** New format.

#### 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, 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**