# Safety Data Sheet

## prepared to UN GHS Revision 7

## 1. Identification of the Substance/Mixture and the Company/Undertaking

**1.1 Product Identifier** 3300A0001S

**Revision Date:** 28/11/2025

**Product Name:** CARBOTHERM 3300

**Supersedes Date:** New SDS

**1.2 Relevant identified uses of the substance or mixture and uses advised against** Monocomponent industrial coating - Industrial use. Advised against: others than recommended

**1.3 Details of the supplier of the safety data sheet**

**Manufacturer:**

StonCor Middle East L.L.C.
Plot # B518, Al Quoz Industrial Area 3
P.O. Box: 3034
Dubai, U.A.E.

Regulatory / Technical Information:
+971 4 347 0460
+971 4 347 0242 (fax)

**Datasheet Produced by:** Rivero, Melody - ehs@stoncor.com

**1.4 Emergency telephone number:**

+1 703-741-5970 - North America
+1 800-424-9300 - North America
+55 11 4349 1359 - South America
+52 55 8526 4930 - Central America
+44 20 3885 0382 - Middle East, Eastern Europe, Western Europe, and Africa
+65 3163 8374 - Asia, South Asia, And Oceania

## 2. Hazard Identification

**2.1 Classification of the substance or mixture**

Carcinogenicity, category 2

### 2.2 Label elements

**Symbol(s) of Product**

**Signal Word**

Warning

**Named Chemicals on Label**

titanium dioxide, glass oxide

**HAZARD STATEMENTS**

| | | |
|---|---|---|
| Carcinogenicity, category 2 | H351 | Suspected of causing cancer. |

**PRECAUTION PHRASES**

| | |
|---|---|
| P201 | Obtain special instructions before use. |
| P284 | Wear respiratory protection. |
| P308+313 | IF exposed or concerned: Get medical advice/attention. |
| P501 | Dispose of contents and container in accordance with all local, regional, national and international regulations. |

### 2.3 Other hazards

No Information

**Results of PBT and vPvB assessment:**

The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.

## 3. Composition/Information On Ingredients

### 3.2 Mixtures

**Hazardous ingredients**

| Name According to EEC | EINEC No. | CAS-No. | % | Classifications | |
|---|---|---|---|---|---|
| glass oxide | 266-046-0 | 65997-17-3 | 30 - <60 | H351 | Carc. 2 |
| titanium dioxide | 236-675-5<br>236-675-5 | 13463-67-7 | 1.0 - <5.0 | H351 | Carc. 2 |
| anhydrous aluminum silicate | 266-340-9 | 66402-68-4 | 1.0 - <5.0 | H315-319-335 | Eye Irrit. 2, Skin Irrit. 2, STOT SE 3 RTI |
| zirconium oxide | | 1314-23-4 | <0.1 | | |

| CAS-No. | M-Factors |
|---|---|
| 65997-17-3 | |
| 13463-67-7 | |
| 66402-68-4 | |
| 1314-23-4 | |

**Additional Information:** The text for GHS Hazard Statements shown above (if any) is given in Section 16.

## 4. First-aid Measures

### 4.1 Description of First Aid Measures

**GENERAL NOTES:** When symptoms persist or in all cases of doubt seek medical advice.
**AFTER INHALATION:** Move to fresh air. Consult a physician after significant exposure.
**AFTER SKIN CONTACT:** Use a mild soap if available. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
**AFTER EYE CONTACT:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses. If eye irritation persists, consult a specialist.
**AFTER INGESTION:** Gently wipe or rinse the inside of the mouth with water. Give small amounts of water to drink. Never give anything by mouth to an unconscious person.

**Self protection of the first aider:**

No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.

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

No Information

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

No information available on clinical testing and medical monitoring. Specific toxicological information on substances, if available, can be found in section 11.

## 5. Fire-fighting Measures

### 5.1 Extinguishing Media:

Carbon Dioxide, Dry Chemical, Foam

**FOR SAFETY REASONS NOT TO BE USED:** Alcohol, Alcohol based solutions, any other media not listed above.

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

No Information

### 5.3 Advice for firefighters

In the event of fire, wear self-contained breathing apparatus. Dry powder Foam Carbon dioxide (CO2).

## 6. Accidental Release Measures

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

Ensure adequate ventilation. Use personal protective equipment.

### 6.2 Environmental precautions

No Information

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

Pick up and transfer to properly labelled containers. No special environmental precautions required. After cleaning, flush away traces with water.

### 6.4 Reference to other sections

Please refer to disposal requirements or country specific disposal requirements for this material. See Section 8 and 13 for further information.

## 7. Handling and Storage

### 7.1 Precautions for safe handling

**INSTRUCTIONS FOR SAFE HANDLING:** Use only in area provided with appropriate exhaust ventilation. Wear personal protective equipment. Avoid prolonged contact with eyes, skin and clothing.
**PROTECTION AND HYGIENE MEASURES:** When using, do not eat, drink or smoke. Regular cleaning of equipment, work area and clothing.

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

**CONDITIONS TO AVOID:** Avoid dust accumulation in enclosed space.
**STORAGE CONDITIONS:** Keep tightly closed in a dry and cool place.

### 7.3 Specific end use(s)

No specific advice for end use available.

## 8. Exposure Controls/Personal Protection

### 8.1 Control parameters

**Ingredients with Occupational Exposure Limits (Middle East)**

| Name | CAS-No. | LTEL ppm | STEL ppm | STEL mg/m3 | LTEL mg/m3 |
|---|---|---|---|---|---|
| glass oxide | 65997-17-3 | | | | |
| titanium dioxide | 13463-67-7 | | | | |
| anhydrous aluminum silicate | 66402-68-4 | | | | |
| zirconium oxide | 1314-23-4 | | | | |

| Name | CAS-No. | OEL Note |
|---|---|---|
| glass oxide | 65997-17-3 | |
| titanium dioxide | 13463-67-7 | |
| anhydrous aluminum silicate | 66402-68-4 | |
| zirconium oxide | 1314-23-4 | |

**FURTHER INFORMATION:** Refer to the regulatory exposure limits for the workforce enforced in each country.

### 8.2 Exposure controls

**Personal Protection**
**RESPIRATORY PROTECTION:** In case of insufficient ventilation wear suitable respiratory equipment.
**EYE PROTECTION:** Tightly fitting safety goggles.
**HAND PROTECTION:** Impervious gloves. 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).
**Body Protection:** Long sleeved clothing.
**OTHER PROTECTIVE EQUIPMENT:** No Information
**ENGINEERING CONTROLS:** Ensure adequate ventilation, especially in confined areas.

## 9. Physical and Chemical Properties

### 9.1 Information on basic physical and chemical properties

| | |
|---|---|
| **Appearance:** | Viscous LIquid |
| **Physical State** | Liquid |
| **Odor** | Mild |
| **Odor threshold** | Not determined |
| **pH** | Not determined |
| **Melting point / freezing point (°C)** | Not determined |

| | |
|---|---|
| **Boiling point/range (°C)** | 100 - 111 |
| **Flash Point, (°C)** | 94 |
| **Evaporation rate** | Slower than ether |
| **Flammability (solid, gas)** | Not determined |
| **Upper/lower flammability or explosive limits** | Not determined |
| **Vapour Pressure** | Not determined |
| **Vapour density** | Lighten than air |
| **Relative density** | Not determined |
| **Solubility in / Miscibility with water** | Not determined |
| **Partition coefficient: n-octanol/water** | Not determined |
| **Auto-ignition temperature (°C)** | Not determined |
| **Decomposition temperature (°C)** | Not determined |
| **Viscosity** | Unknown |
| **Explosive properties** | Not determined |
| **Oxidising properties** | Not determined |

**9.2 Other information**

| | |
|---|---|
| **VOC Content g/l:** | 0.00 |
| **Specific Gravity (g/cm3)** | 0.665 |

## 10. Stability and Reactivity

**10.1 Reactivity**
No reactivity hazards known under normal storage and use conditions.

**10.2 Chemical stability**
Stable under normal conditions.

**10.3 Possibility of hazardous reactions**
Hazardous polymerisation does not occur.

**10.4 Conditions to avoid**
Avoid dust accumulation in enclosed space.

**10.5 Incompatible materials**
No Information

**10.6 Hazardous decomposition products**
Carbon dioxide (CO2), carbon monoxide (CO), oxides of nitrogen (NOx), dense black smoke.

## 11. Toxicological Information

**11.1 Information on toxicological effects**

**Acute Toxicity:**

**Oral LD50:** No information available.

**Inhalation LC50:** No information available.

**Irritation:** No information available.

**Corrosivity:** No information available.

**Sensitization:** No information available.

**Repeated dose toxicity:** No information available.

**Carcinogenicity:** No information available.

**Mutagenicity:** No information available.

**Toxicity for reproduction:** No information available.

**STOT-single exposure:** No information available.

**STOT-repeated exposure:** No information available.

**Aspiration hazard:** No information available.

**If no information is available above under Acute Toxicity then the acute effects of this product have not been tested. Data on individual components are tabulated below:**

| CAS-No. | Chemical Name | Oral LD50 | Dermal LD50 | Vapor LC50 | Gas LC50 | Dust/Mist LC50 |
|---|---|---|---|---|---|---|
| 13463-67-7 | titanium dioxide | 10000 mg/m3, oral (rat) | | | 0.000 | 0.000 |

**Additional Information:**

No Information

## 12. Ecological Information

**12.1 Toxicity:**

**EC50 48hr (Daphnia):** No information

**IC50 72hr (Algae):** No information

**LC50 96hr (fish):** No information

**12.2 Persistence and degradability:** No information

**12.3 Bioaccumulative potential:** No information

**12.4 Mobility in soil:** No information

**12.5 Results of PBT and vPvB assessment:** The product does not meet the criteria for PBT/VPvB in accordance with Annex XIII.

**12.6 Other adverse effects:** No information

| CAS-No. | Chemical Name | EC50 48hr | IC50 72hr | LC50 96hr |
|---|---|---|---|---|
| 65997-17-3 | glass oxide | No information | No information | |
| 13463-67-7 | titanium dioxide | >100 mg/l (EC50, 48h, Daphnia magna OECD202)ation | No information | >1000 mg/l |
| 66402-68-4 | anhydrous aluminum silicate | No information | No information | |
| 1314-23-4 | zirconium oxide | No information | No information | |

## 13. Disposal Considerations

**13.1 WASTE TREATMENT METHODS:** If recycling is not practicable, dispose of in compliance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport Information

| | | |
|---|---|---|
| **14.1** | **UN number** | Not applicable |
| **14.2** | **UN proper shipping name** | Not regulated for transport according to U.S. DOT, ADR/RID, IMDG, and IATA regulations. |
| | **Technical name** | Not applicable |
| **14.3** | **Transport hazard class(es)** | Not applicable |
| | **Subsidiary shipping hazard** | Not applicable |
| **14.4** | **Packing group** | Not applicable |
| **14.5** | **Environmental hazards** | Not applicable |
| **14.6** | **Special precautions for user** | Not applicable |
| | **EmS-No.:** | Not applicable |
| **14.7** | **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code** | Not applicable |

## 15. Regulatory Information

**15.1 Safety, health and environmental regulations/legislation for the substance or mixture:**

**15.2 Chemical Safety Assessment:**

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

**CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS:**

**WARNING**

WARNING: This product contains a chemical(s) known to the State of California to cause birth defects and other reproductive harm.

No Proposition 65 Reproductive Toxins exist in this product.

**CALIFORNIA PROPOSITION 65 CARCINOGENS:**

**WARNING**

WARNING: This product contains a chemical(s) known to the State of California to cause cancer.

No Proposition 65 Carcinogens exist in this product.

## 16. Other Information

**Text for GHS Hazard Statements shown in Section 3 describing each ingredient:**

| | |
|---|---|
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H335 | May cause respiratory irritation. |
| H351 | Suspected of causing cancer. |

**Reasons for revision**

No Information

List of References:

This Safety Data Sheet was compiled with data and information from the following sources:

- The Ariel Regulatory Database provided by the 3E Corporation in Copenhagen, Denmark.
- Joint Research Centre in Ispra, Italy.
- Regulation (EC) 1272/2008 with subsequent amendments.
- Regulation (EC) 1272/2006 with subsequent amendments.
- Commission Regulation (EU) 2020/878
- EU Council Decision 2000/532/EC and its Annex entitled "List of Wastes"
- Safety Data Sheet from raw material supplier
- The classification declared in sec. 2.2 is based on the calculation methods set out in Annex I and Annex II of the CLP Reg. 1272/2008 on the composition of the formula.

Acronym & Abbreviation Key:

| | |
|---|---|
| CLP | Classification, Labeling & Packaging Regulation |
| EC | European Commission |
| EU | European Union |
| US | United States |
| CAS | Chemical Abstract Service |
| EINECS | European Inventory of Existing Chemical Substances |
| REACH | Registration, Evaluation, Authorization of Chemicals Regulation |
| GHS | Globally Harmonized System of Classification and Labeling of Chemicals |
| LTEL | Long term exposure limit |

| | |
|---|---|
| STEL | Short term exposure limit |
| OEL | Occupational exposure limit |
| ppm | Parts per million |
| mg/m3 | Milligrams per cubic meter |
| TLV | Threshold Limit Value |
| ACGIH | American Conference of Governmental Industrial Hygienists |
| OSHA | Occupational Safety & Health Administration |
| PEL | Permissible Exposure Limits |
| VOC | Volatile organic compounds |
| g/l | Grams per liter |
| mg/kg | Milligrams per kilogram |
| N/A | Not applicable |
| LD50 | Lethal dose at 50% |
| LC50 | Lethal concentration at 50% |
| EC50 | Half maximal effective concentration |
| IC50 | Half maximal inhibitory concentration |
| PBT | Persistent bioaccumulative toxic chemical |
| vPvB | Very persistent and very bioaccumulative |
| EEC | European Economic Community |
| ADR | International Transport of Dangerous Goods by Road |
| RID | International Transport of Dangerous Goods by Rail |
| UN | United Nations |
| IMDG | International Maritime Dangerous Goods Code |
| IATA | International Air Transport Association |
| MARPOL | International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978 |
| IBC | International Bulk Container |
| RTI | Respiratory Tract Irritation |
| NE | Narcotic Effects |
| IMO | International Maritime Organization |
| Note P: | The classification as a carcinogen or mutagen need not apply; the substance contains less than 0,1 % w/w benzene |
| Note 10: | The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1 % or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter ≤ 10 µm. |

For further information, please contact: Technical Services Department

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product or where instructions and recommendations are not followed.