# SAFETY DATA SHEET
# SOLADUR 700

## 1. PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Soladur 700
**PRODUCT NUMBER:** CP-0043
**RECOMMENDED USE:** Roofing and other construction applications
**RESTRICTION OF USE:** None

**MANUFACTURER/SUPPLIER**

Castagra Products, Inc.
1450 Vassar Street
Reno, NV 89502
USA

24 HR EMERGENCY TELEPHONE NUMBERS
Emergency Contact Number : CHEMTREC 1-800-424-9300 / +1 703-527-3887
Non-Emergency Phone Number: +1 888-388-2935

## 2. HAZARDS IDENTIFICATION

**Hazard Classification:**

| Physical | Health |
|---|---|
| Not Hazardous | Not Hazardous |

**Label Elements:**

Not Hazardous in accordance with the Globally Harmonized System for the Classification and Labeling of Chemicals (GHS)

## 3. COMPOSITION / INFORMATION ON INGREDIENTS

| INGREDIENTS | CAS#. | WT.% |
|---|---|---|
| Calcium Carbonate | 1317-65-3 | 20-40 |
| Titanium Dioxide | 13463-67-7 | 5-10 |
| Zinc Oxide | 1314-13-2 | 1-5 |
| Crystalline Silica, Quartz | 14808-60-7 | 0.1-1 |

**Note: The crystalline silica and titanium dioxide in this product are inextricably bound so no exposure will occur and the carcinogen classification does not apply.**

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

## 4. FIRST AID MEASURES

**Eyes:** Immediately flush eyes with water while lifting the upper and lower lids. Get medical attention if irritation persists.

**Skin:** Remove contaminated clothing. Wash skin thoroughly with soap and water. If rash or irritation develops, get medical attention. Launder clothing before re-use. (Discard contaminated shoes).

**Inhalation:** If symptoms develop, remove victim to fresh air. If symptoms develop, get medical attention.

**Ingestion:** If conscious, rinse mouth with water. Never give anything by mouth to a person who is unconscious or convulsing.

**Most important symptoms/effects, acute and delayed:** May cause eye irritation. Prolonged skin contact may cause irritation or drying of the skin. Mists may cause mucous membrane and upper respiratory tract irritation.

**Indication of immediate medical attention and special treatment, if necessary:** Immediate medical attention is not normally required.

## 5. FIRE FIGHTING MEASURES

**Extinguishing Media:** Use any media appropriate for the surrounding fire. Cool fire exposed containers with water

**Special Protective Equipment and Precautions for Fire-fighters:** Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Do not allow run-off from firefighting to enter drains or water courses

**Specific Hazards Arising from the Chemical:** Combustion products may include oxides of carbon and zinc.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment, and Emergency Procedures:** Wear appropriate protective clothing to avoid eye and skin contact. Collect spilled material with inert material and place into a closable container for disposal. Prevent runoff to storm sewers and ditches leading to natural waterways.

**Environmental precautions:** Avoid release to the environment. Report releases as required by local, state and federal authorities.

**Methods and Materials for Containment and Cleaning Up:** Collect spilled material with inert material and place into a closable container for disposal.
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## 7. HANDLING AND STORAGE

**Precautions for Safe Handling:** Avoid contact with the eyes, skin and clothing. Wear protective clothing and equipment as described in Section 8. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Keep containers closed when not in use

Empty containers retain product residues can be hazardous. Follow all SDS precautions when handling empty containers.

**Conditions for Safe Storage, Including any Incompatibilities:** Store in a dry, well-ventilated area. Keep container closed when not in use.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

| INGREDIENTS | EXPOSURE LIMITS |
|---|---|
| Calcium Carbonate | 5 mg/m3 TWA OSHA PEL (respirable fraction)<br>15 mg/m3 TWA OSHA PEL (total dust) |
| Titanium Dioxide | 15 mg/m3 TWA OSHA PEL (total dust)<br>10 mg/m3 TWA ACGIH TLV |

| | |
|---|---|
| Zinc Oxide | 5 mg/m3 TWA OSHA PEL (respirable fraction)<br>15 mg/m3 TWA OSHA PEL (total dust)<br>2 mg/m3 TWA , 10 mg/m3 STEL (respirable) ACGIH TLV |
| Crystalline Silica, Quartz | 10 mg/m$^3$ TWA OSHA PEL (respirable fraction)<br>% Silica + 2<br>0.025 mg/m3 TWA ACGIH TLV (respirable fraction) |

**Appropriate Engineering Controls:** Use with adequate ventilation to maintain exposures below the occupational exposure limits.
**Respiratory Protection:** If the exposure limits are exceeded a NIOSH approved respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice**.**
**Gloves:** Rubber or other impervious gloves are recommended to prevent prolonged skin contact.
**Eye Protection:** Chemical safety goggles should be worn if splashing is possible.
**Other Protective Equipment:** Impervious clothing as needed to avoid contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance And Odor:** White liquid with paint-like odor

| | |
|---|---|
| **Boiling Point (@ 760 mmHg):** 212°F (100°C) | **Freezing Point:** Not available |
| **Odor Threshold:** Not available | **Viscosity:** Not available |
| **Relative density (H2O=1):** 1.44 | **Vapor Pressure:** 760 mmHg @ 212°F |
| **VOC:** <50 g/L (<0.42 lbs/gal) | **Vapor Density (AIR=1):** >1 |
| **Evaporation Rate:** Not available | **Solubility In Water:** Dispersible |
| **pH:** Not applicable | **Partition Coefficient n-Octanol/Water:** Not determined |
| **Flash Point:** >212°F (>100°C) Setaflash | **Autoignition Temperature:** Not available |
| **Decomposition Temperature:** Not available | **Flammability (solid, gas):** Not applicable |
| **Flammable Limits: (vol % in air)** **LEL –** N/A | **UEL –** N/A |

## 10. STABILITY AND REACTIVITY

**Reactivity:** Not normally reactive.
**Chemical Stability:** Stable under normal storage and handling conditions
**Possibility of Hazardous Reactions:** None known
**Conditions to avoid**: None
**Incompatible materials:** Avoid oxidizing agents and acids.
**Hazardous decomposition products:** Thermal decomposition may yield oxides of carbon and zinc.

## 11. TOXICOLOGICAL INFORMATION

**Eye:** Contact may cause irritation with redness and tearing.
**Skin:** Prolonged skin contact may cause irritation and drying of the skin.
**Inhalation:** Inhalation of vapors or mists may cause mucous membrane and respiratory irritation
**Ingestion:** Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.
**Sensitization:** This product is not expected to cause sensitization.
**Chronic Effects:** Repeated inhalation of large amounts of silica dust over an extended period of time may result in a progressive, disabling disease, silicosis. However, the crystalline silica in this product is bound in the liquid asphalt matrix and dust exposure would not be expected.
**Carcinogenicity:** Titanium dioxide is listed by IARC as “Possibly Carcinogenic to Humans”, Group 2B. This product contains a very small amount of naturally occurring crystalline silica. Respirable crystalline silica is classified as a Group 1 carcinogen by IARC, and “Known to be a Human Carcinogen” by NTP. None of the other components present at 0.1% or greater are

listed as a carcinogen by NTP, IARC, ACGIH or OSHA.. The titanium dioxide and crystalline silica in this product are bound in the liquid asphalt matrix and dust exposure would not be expected.

**Numerical Measures of Toxicity**:
Calcium Carbonate: No toxicity data available
Titanium Dioxide: No toxicity data available
Zinc Oxide: Oral rat LC50>5 g/kg, Inhalation mouse LC50 >5.7 mg/L/4 hr

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** Zinc oxide is classified as very toxic to aquatic organisms. LC50 zebra fish 1.8 mg/L/96 hr; IC50 algae 0.136 mg/L
**Persistence and degradability:** No data available
**Bioaccumulative potential:** No data available
**Mobility in soil:** No data available
**Other adverse effects**: No data available.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method:** Dispose in accordance with all local, state and federal regulations.

## 14. TRANSPORT INFORMATION

Proper Shipping Name: Not Regulated
UN Number: None
Hazard Class/Packing Group: None
Labels Required: None

**Special precautions:** None known

## 15. REGULATORY INFORMATION

**SARA Hazard Category (311/312):** Not Hazardous

**EPA SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313:** None

**CERCLA Hazardous Substances (Section 103)/RQ:** This product is not subject to CERCLA reporting requirements as it is sold. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

**Toxic Substances Control Act:** All of the components of this product are listed on the TSCA inventory.

**California Proposition 65:** This product contains chemicals known to the State of California to cause cancer or reproductive toxicity.

**WHMIS Classification:** Not a controlled product

This SDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the SDS contains all of the information required by the CPR.

## 16. OTHER INFORMATION

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|---|---|---|---|
| **NFPA Rating:** | Health = 1 | Fire = 0 | Instability = 0 |
| **HMIS Rating:** | Health = 1 | Fire = 0 | Physical Hazard = 0 |

**PREPARED BY:** CASTAGRA PRODUCTS, INC.
**DATE:** 04 March 2021
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