

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

Not Hazardous

Health

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#	%W.t
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 reuse. (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.

Emergency Number: CHEMTREC 1-800-424-9300 / +1 703-527-3887

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/m ³ TWA OSHA PEL (respirable fraction) 15 mg/m ³ TWA OSHA PEL (total dust)
Titanium Dioxide	15 mg/m ³ TWA OSHA PEL (total dust) 10 mg/m ³ TWA ACGIH TLV
Zinc Oxide	5 mg/m ³ TWA OSHA PEL (respirable fraction) 15 mg/m ³ TWA OSHA PEL (total dust) 2 mg/m ³ TWA , 10 mg/m ³ STEL (respirable) ACGIH TLV
Crystalline Silica, Quartz	10 mg/m ³ TWA OSHA PEL (respirable fraction) % Silica + 2 0.025 mg/m ³ 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)

Odor Threshold: Not available

Relative density (H₂O=1): 1.44

VOC: <50 g/L (<0.42 lbs/gal)

Evaporation Rate: Not available

pH: Not applicable

Flash Point: >212°F (>100°C) Setaflash

Decomposition Temperature: Not available

Flammable Limits: (vol % in air) LEL – N/A UEL – N/A

Freezing Point: Not available

Viscosity: Not available

Vapor Pressure: 760 mmHg @ 212°F

Vapor Density (AIR=1): >1

Solubility In Water: Dispersible

Partition Coefficient n-Octanol/Water: Not determined

Autoignition Temperature: Not available

Flammability (solid, gas): Not applicable

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

NFPA Rating: Health = 1 Fire = 0 Instability = 0

HMIS Rating: Health = 1 Fire = 0 Physical Hazard = 0

PREPARED BY: CASTAGRA PRODUCTS, INC.

DATE: November 1, 2022

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