



MATERIAL SAFETY DATA SHEET

Page: 1
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Solcore 100/200/HT & Solcore 3D/SolFoam

1. IDENTIFICATION OF THE SUBSTANCE/ USE/ COMPANY DETAILS

Trade Name: Solcore 100/200/HT & Solcore 3D
Company Identification: **SOLTEC Holdings, LLC**
 3631 E. 44th St. Suite 175
 Tucson, AZ 85713
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Type of product: **Tooling Material**
Use: **Composite Processing**

2. HAZARDS IDENTIFICATION

Symptoms relating to use: Not classified as Hazardous

3. COMPOSITION / INFORMATION ON INGREDIENTS

Specific components and ingredients are considered proprietary and property of SOLTEC LLC.

Calcium Sulfate (Plaster of Paris)	CAS# 26499-65-0	Greater than %50
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4. FIRST AID MEASURES

Inhalation Dust irritates the respiratory system, and may cause coughing and difficulties in breathing. Move injured person into fresh air and keep person calm under observation. Get medical attention if symptoms persist.

Skin Contact develops or persists. Contact with dust: Rinse area with plenty of water. Get medical attention if irritation

Eye Contact Dust in the eyes: Do not rub eyes. Flush thoroughly with water. If irritation occurs, get medical assistance.

Ingestion Plaster of Paris hardens and if ingested may result in stomach and intestinal blockage. Drinking gelatin solutions or large volumes of water may delay setting.

5. FIRE FIGHTING MEASURES

Prevention Do not expose to naked flames or fire. No smoking.

Extinguishing Media Foam, Powder, Sand

Surrounding Fires Use water spray to cool containers

Specific Hazards Under fire conditions, hazardous fumes will be present

Protection for Fire-Fighters Do not enter fire area without Proper Protective Equipment, including respiratory equipment.

Special procedures Exercise caution when entering any lubricant or chemical fire.

6. ACCIDENTAL RELEASE MEASURES

General Precautions	May be slippery if spilled. Remove from ignition sources. Do not breathe fumes or vapors from decomposition.
Personal Precautions	Avoid contact with skin and eyes. No Smoking. Clean up crews should wear proper protective equipment.
Environmental Precautions	Prevent entry to sewers and public water ways. Notify authorities if product enters sewers or public waters
Clean up methods	Collect spill and put in appropriate container.

7. HANDLING AND STORAGE

GENERAL	Ensure there is adequate ventilation. Avoid all unnecessary exposure to naked flames or potential fire risks. No Smoking.
STORAGE	Store in tightly sealed containers, away from heat, sparks, open flames. Store in cool, dry well ventilated areas.
HANDLING	Ensure prompt removal from eyes, skin, clothing. Wash hands and other exposed areas with mild soap and water before you eat, drink or smoke, leave work. Keep away from food, drink. Keep out of reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

PERSONAL PROTECTION

Respiratory Protection Proper dust respiratory protection should be worn.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components Type

Value Form

Plaster of Paris (Calcium PEL 5 mg/m³ Respirable fraction. Sulfate Hemihydrate CAS 10034-76-1) (CAS 26499-65-0)
15 mg/m³ Total dust.

US. ACGIH Threshold Limit Values

Components Type

Value Form

Plaster of Paris (Calcium TWA 10 mg/m³ Inhalable fraction. (CAS 26499-65-0)
10 mg/m³ Total

NIOSH: Pocket Guide to Chemical Hazards

Components Type

Value Form

Plaster of Paris (Calcium TWA 5 mg/m³ Respirable. Sulfate Hemihydrate CAS 10034-76-1) (CAS 26499-65-0)
10 mg/m³ Total

Hand Protection

Wear protective clothes

Skin Protection

In the case of possible repeated skin contact wear protective clothing

Eye Protection

Wear approved safety goggles.

Ingestion

When using do not eat, drink or smoke

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state at 20°C	Solid/ Powder
Color	off white
Odor	odorless
pH value	6-8
Density	2.5
Solubility in Water (vol/vol)	Material soluble in water 0.15 - 0.4 g/100 g (H ₂ O)
Auto flammability	N/A
Flash Point	> 200°C

10. STABILITY AND REACTIVITY

Hazardous decomposition products	Combustion will generate smoke, carbon monoxide, carbon dioxide Calcium oxides. Sulfur oxides.
Hazardous reactions	Acids. Exposure to water and acids must be supervised because the reactions are vigorous and produce large amounts of heat.
Hazardous properties	None under normal conditions.
Materials to avoid	Acids. Exposure to water and acids must be supervised because the reactions are vigorous and produce large amounts of heat.
Conditions to avoid	When mixed with water this product can become very hot. Encasing or making molds of any body part can cause serious burns that may require surgical removal of affected tissue and even amputation of encased body part.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity	Not expected to be a hazard under normal conditions of intended use.
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12. ECOLOGICAL INFORMATION

On Product	Prevent entry to sewers and public water ways.	
Ecological Effects	The product components are 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.	
Components	Species	Test Results
Plaster of Paris (Calcium Sulfate Hemihydrate CAS 10034-76-1) (CAS 26499-65-0)	Aquatic Fish LC50 Fathead minnow (Pimephales promelas)	> 1970 mg/l, 96 hours
Bio-accumulation	Product is not expected to bio-accumulate	

13. DISPOSAL CONSIDERATIONS

General	Dispose of in a safe manner in accordance with local/national regulations
Disposal method	In accordance with local/national regulations may be taken to waste disposal site.
Disposal of used packaging	Use a licensed waste disposal contractor.

14. TRANSPORT INFORMATION

General Information	Not classified including: UN Class, ADR RID Class, IMDG Class, IATA Class
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15. REGULATORY INFORMATION

Symbol(s)	None
R Phrase(s)	None
S Phrase(s)	None

16. OTHER INFORMATION

Product Use: For Industrial use only. Tooling
The contents and format are in accordance with the following directives:
EC Directive 91/155/EEC defining the laying down and detailing of specific information relating to Dangerous Preparations Directive – 2001/58/EC.
EC Directive 88/379/EEC relating to the classification, packaging and labeling of dangerous preparations.

DISCLAIMER OF LIABILITY:

To the best of our knowledge, the information contained herein is accurate. Although certain hazards may be described we cannot predict that these are the only hazards, or combination of hazards, that may exist in a workplace. This MSDS, therefore, forms a component only of a risk assessment carried out by, or on behalf of, the user. The conditions of handling, storage, use or disposal of the product are beyond our control. For this and other reasons, we do not assume responsibility and expressly disclaim any liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product. This MSDS was prepared solely for the product stated and should not be used for any other product.