

# 840079-CN-EN Solidscape® Printer Model Material

## Chemical Safety Data Sheet

The SDS is prepared in accordance with GB/T 16483 & GB/T 17519

Revision date: 2016/22/09

Preparation date: 2016/19/09

Rev: A

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

### Product Identifier

**Product Form:** Mixture

**Product Name:** Indura® CAST, plusCAST®

**Product Code:** 970081-02, 970123

**Other means of identification:** Solidscape® Printer Model Material

### Intended Use of the Product

**Recommended Uses and Restrictions:** Model material for use with Solidscape® Printer. For professional use only.

### Name, Address, and Telephone of the Responsible Party

#### Company

Solidscape®, Inc.

316 Daniel Webster Highway

Merrimack, NH 03054

603-429-9700

[www.solid-scape.com](http://www.solid-scape.com)

[precision@solid-scape.com](mailto:precision@solid-scape.com)

### Emergency Telephone Number

**Emergency Number:** 603-429-9700 8am - 5pm, Monday - Friday, Eastern Standard Time

## SECTION 2: HAZARDS IDENTIFICATION

### Emergency Overview:

A blue-green solid with a faint odor, to be used as model material with Solidscape® printers. Causes skin and eye irritation. Harmful to aquatic life with long lasting effects.

### Classification of the Substance or Mixture

#### GHS classification (CN)

##### Health hazards

: Skin corrosion/irritation, Category 2  
Serious eye damage/eye irritation, Category 2A

##### Environmental hazards

: Hazardous to the aquatic environment — Acute Hazard, Category 3  
Hazardous to the aquatic environment — Chronic Hazard, Category 3

##### Hazard Pictograms (GHS-CN)



##### Signal Word (GHS-CN)

: Warning

##### Hazard Statements (GHS-CN)

: Causes skin irritation (H315)  
Causes serious eye irritation (H319)  
Harmful to aquatic life with long lasting effects (H412)

##### Prevention Precautionary Statements

: Wash hands, forearms, and other exposed areas thoroughly after handling (P264).

Avoid release to the environment (P273).

Wear protective gloves, protective clothing, and eye protection (P280).

##### Response Precautionary Statements

: IF ON SKIN: Wash with plenty of water (P302+P352).

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing (P305+P351+P338).

Specific treatment (see section 4 on this SDS) (P321).

If skin irritation occurs: Get medical advice/attention (P332+P313).

If eye irritation persists: Get medical advice/attention (P337+P313).

Take off contaminated clothing and wash it before reuse (P362+P364).

##### Disposal Precautionary Statements

: Dispose of contents/container in accordance with local, regional, national, and international regulations (P501).

### Health Hazard Information

**Symptoms/Injuries:** Risk of thermal burns on contact with molten product. The following applies to the product if it is cut, sanded or altered in such a way that excessive and/or significant particulates and/or dusts may be generated: Causes serious eye irritation. Causes skin irritation.

**Symptoms/Injuries After Inhalation:** May cause respiratory irritation.

**Symptoms/Injuries After Skin Contact:** Causes skin irritation.

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**Symptoms/Injuries After Eye Contact:** Causes serious eye irritation.

**Symptoms/Injuries After Ingestion:** Ingestion is likely to be harmful or have adverse effects.

**Chronic Symptoms:** The chronic effects of this substance are unknown.

**Physiochemical Hazard** No data available

**Environmental Hazard** Harmful to aquatic life with long lasting effects

### Other Hazards

**Other Hazards Which Do not Result in Classification** : Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### Mixture/Substance

Name	Concentration
Proprietary Chemical 1	15 - 25%
Proprietary Chemical 2	10 - 20%
Proprietary Chemical 3	1 - 10%
Proprietary Chemical 4	1 - 10%
Proprietary Chemical 5	1 - 10%
Proprietary Chemical 6	1 - 10%

## SECTION 4: FIRST AID MEASURES

### First Aid

**First-aid Measures After Inhalation:** When symptoms occur: go into open air and ventilate suspected area.

**First-aid Measures After Skin Contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.

**First-aid Measures Eye Contact:** Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Obtain medical attention if irritation persists.

**First-aid Measures After Ingestion:** Rinse mouth. Do NOT induce vomiting.

### The Most Important Symptoms and Health Effects

**Symptoms/Injuries:** Risk of thermal burns on contact with molten product. The following applies to the product if it is cut, sanded or altered in such a way that excessive and/or significant particulates and/or dusts may be generated: Causes serious eye irritation. Causes skin irritation.

**Symptoms/Injuries After Inhalation:** May cause respiratory irritation.

**Symptoms/Injuries After Skin Contact:** Causes skin irritation.

**Symptoms/Injuries After Eye Contact:** Causes serious eye irritation.

**Symptoms/Injuries After Ingestion:** Ingestion is likely to be harmful or have adverse effects.

**Chronic Symptoms:** The chronic effects of this substance are unknown.

### Advice for The Rescuer

Use appropriate personal protection equipment (PPE).

### Special Note for Doctor

**Treatment:** If you feel unwell, seek medical advice (show the label where possible)

## SECTION 5: FIREFIGHTING MEASURES

### Extinguishing Media

**Suitable Extinguishing Media:** Use extinguishing media appropriate for surrounding fire.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

### Specific Hazards

**Fire Hazard:** Not flammable but will support combustion. On burning: release of carbon monoxide - carbon dioxide.

### Fire Precautions and Protective Measures

**Specific Fire Fighting:** Use water spray or fog for cooling exposed containers.

**Personal Protection (Emergency Response):** Do not enter fire area without proper protective equipment, including respiratory protection

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### Personal Precautions, Protective Equipment and Emergency Disposal Procedures

**Personal Precautions, Protective Equipment and Emergency Procedures** Avoid generating dust.

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### Environmental Precautions

#### Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

### Clean-up Methods and Materials for Containment Measures

#### Methods and Equipment for Containment and Cleaning up

Clean up spills immediately and dispose of waste safely.

#### Secondary Disaster Prevention Measures

Eliminate ignition sources.

## SECTION 7: HANDLING AND STORAGE

### Handling

**Technical Measures:** Risk of thermal burns on contact with molten product. Accumulation and dispersion of dust with an ignition source can cause a combustible dust explosion. Keep dust levels to a minimum and follow applicable regulations.

**Local and General Ventilation:** Ensure adequate air ventilation.

**Precautions for Safe Handling:** Keep away from heat and open flame.

**Prevents Handling of Incompatible Substances or Mixtures:** Keep away from: Strong oxidizers. Strong acids.

### Storage

**Technical Measures:** Comply with applicable regulations.

**Incompatible Substances or Mixtures:** Refer to Section 10.

**Storage Conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

**Material Used in Packaging/containers:** No additional information.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Limits

No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.

### Biological Limits

No data available

### Monitoring Methods

No data available

### Engineering Controls

**Appropriate Engineering Controls:** Not generally required. Site-specific risk assessments should be conducted to determine the appropriate exposure control measures. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits.

### Personal Protective Equipment

**Personal Protective Equipment:** Not generally required. The use of personal protective equipment may be necessary as conditions warrant.

**Respiratory Protection:** The following applies to the product if it is cut, sanded or altered in such a way that excessive and/or significant particulates and/or dusts may be generated: Dust mask.

**Hand Protection:** Wear protective gloves.

**Eye Protection:** Safety glasses.

**Hygiene Measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties

Appearance	: Blue
Physical State	: Solid
Odour	: Faint
pH Value	: No data available
Melting point/Freezing Point	: 95 - 115 °C (203 - 239 °F)
Boiling Point, Initial Boiling Point and Boiling Range	: No data available
Flash Point	: > 175 °C (347 °F)
Autoignition Temperature	: No data available
Flammability (solid, gas)	: Non flammable
Vapour pressure	: No data available
Relative Vapour Density At 20 °C	: No data available
Relative density	: ≈ 1.25 (water = 1)
Solubility	: No data available

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N-octanol/water Distribution Coefficient	:	No data available
Decomposition Temperature	:	No data available
Viscosity	:	No data available
Explosive Limits (G/M <sup>3</sup> )	:	No data available
Explosive Limits (Vol %)	:	Not applicable

## SECTION 10: STABILITY AND REACTIVITY

**Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).

**Possibility of Hazardous Reactions:** Hazardous polymerization will not occur.

**Conditions to Avoid:** Extremely high or low temperatures.

**Incompatible Materials:** Strong acids. Strong oxidizers.

**Hazardous Decomposition Products:** Thermal decomposition generates: Carbon oxides (CO, CO<sub>2</sub>). Nitrogen oxides. Sulphur dioxide. Ammonia.

## SECTION 11: TOXICOLOGICAL INFORMATION

### Information on Toxicological Effects - Product

General Toxicity	Not classified
Toxicity Hazard	Not classified
Acute Toxicity (Oral) - Description	Not classified
Acute Toxicity (Dermal) - Description	Not classified
Acute Toxicity (Dust) - Description	Not classified
Acute Toxicity (Mist) - Description	Not classified
Serious Eye Damage/Eye Irritation - Description	Causes serious eye irritation
Skin Corrosion/Irritation - Description	Causes skin irritation
Skin Or Respiratory Sensitization - Description	Not classified
Germ Cell Mutagenicity - Description	Not classified
Carcinogenicity	Not classified
Reproductive Toxicity - Description	Not classified
Specific Target Organ Toxicity (Single Exposure) - Description	Not classified
Specific Target Organ Toxicity (Repeated Exposure) - Description	Not classified
Aspiration Hazard - Description	Not classified
Other Health Hazard	No data available

### Information on Toxicological Effects Ingredient(s)

Proprietary Chemical 1	
LD50 Oral Rat	4870 mg/kg
Proprietary Chemical 3	
LD50 Oral Rat	1158 mg/kg

## SECTION 12: ECOLOGICAL INFORMATION

### Toxicity

**Ecotoxicity** : Harmful to aquatic life with long lasting effects.

**Other Information** : Avoid release to the environment.

### Persistence and Degradability

Not established

### Bioaccumulative Potential

Not established

### Mobility in Soil

No data available

## SECTION 13: DISPOSAL CONSIDERATIONS

### Waste Chemicals

**Additional Information:** Avoid release to the environment.

### Disposal Matters

**Waste Treatment Methods:** Dispose of waste material in accordance with all local, regional, national, and international regulations.

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### SECTION 14: TRANSPORT INFORMATION

**In Accordance with UNRTDG** Not regulated for transport

**In Accordance with IATA** Not regulated for transport

**In Accordance with IMDG** Not regulated for transport

### SECTION 15: REGULATORY INFORMATION

#### China Regulations

<b>Proprietary Chemical 1</b>
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
<b>Proprietary Chemical 3</b>
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
<b>Proprietary Chemical 4</b>
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
<b>Proprietary Chemical 5</b>
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)
<b>Proprietary Chemical 6</b>
Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)

### SECTION 16: OTHER INFORMATION

**Revision Date** : 04/08/2016

**Other Information** : The SDS is prepared in accordance with GB/T 16483 & GB/T 17519

*This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.*

SDS China GHS