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SECTION 1: IDENTIFICATION

1.1 Product identifier

Product name	ST Caverna
Product number	PRO0908
Brand	Interfacial

1.2 Other means of identification

ISCV0123_03_#2; ST Caverna; Soft Touch Caverna

1.3 Recommended use of the chemical and restrictions on use

Resin composite for printing, molding, extrusion, or compounding;

1.4 Supplier's details

Infinite Material Solutions™
N4660 1165th St. Prescott, WI 54021 United States
phone: 1 (347) 487-8880
info@ifllc.com

1.5 Emergency telephone number(s)

1 (347) 487-8880	Office Hours 9:00 am – 5:00 pm Monday through Friday Central Standard Time-Zone
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SECTION 2: HAZARD(S) IDENTIFICATION

2.1 Classification of the substance or mixture

GHS classification in accordance with OSHA (29 CFR 1910.1200)
Not a hazardous substance or mixture.

2.2 GHS label elements, including precautionary statements

Not a hazardous substance or mixture.

2.3 Other hazards which do not result in classification

Polymeric materials generally do not pose a health hazard unless heated to decomposition. Under normal conditions of processing and use, exposure to the chemical constituents in this product are unlikely. All ingredients are tightly bound in a polymeric matrix that has a negligible vapor pressure so there is a low potential for inhalation or ingestion of ingredients. Classifications are based on the hazards of those components.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures

No hazardous components

SECTION 4: FIRST-AID MEASURES

4.1 Description of necessary first-aid measures

General advice	If medical attention is sought, show this safety data sheet to the doctor in attendance. Provide general supportive measures and treat symptomatically.
If inhaled	Move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Remove dusty or contaminated clothing. Wash with soap and water as a precaution. If symptoms persist, consult a physician.
In case of eye contact	Resin particles, like other inert materials, may be mechanically irritating to eyes. Rinse thoroughly with plenty of water. If symptoms persist, consult a physician
If swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Personal protective equipment for first-aid responders	Wear gloves and avoid inhalation of respirable dust.

4.2 Most important symptoms/effects, acute and delayed

Eye/skin contact with hot, or molten material may cause injury, including possible blindness/thermal burns. Ingestion may produce mild gastrointestinal irritation and disturbances.

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Treatment of exposure should be directed at the control of symptoms and the condition of the patient.

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing media:

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. Avoid high pressure, direct water stream that may spread molten or burning resins.

5.2 Specific hazards arising from the chemical

At high temperatures, this material may emit various oligomers, waxes and oxygenated hydrocarbons, and other organic vapors, oxides of carbon, oxides of silicon, aluminum, calcium, or magnesium. Inhalation of these decomposition products may be irritating and/or hazardous.

5.3 Special protective actions for firefighters

In the event of fire, wear self-contained breathing apparatus for firefighting.

5.4 Further information

Use water spray to cool unopened containers.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing dust, vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. For personal protection see section 8.

6.2 Environmental precautions:

Discharge into the environment should be controlled.

6.3 Methods and material for containment and cleaning up:

Contain spill. Control entry into sewers and drains, underground or confined spaces, water intakes and waterways. Spilled product may create a slipping hazard

6.4 Reference to other sections

For disposal see section 13.

SECTION 7: HANDLING AND STORAGE



7.1 Precautions for safe handling:

Handle in properly designated containers or systems. Avoid contact with eyes or inhalation of dusts. Avoid uncontrolled sources of ignition.

7.2 Conditions for safe storage, including any incompatibilities:

Keep container tightly closed in a dry and well-ventilated storage area (ideally a designated storage area). Specific end use(s): Apart from the uses mentioned in section 1.3 no other specific uses are stipulated.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Organic Dust:

TWA (OSHA): respirable fraction, 5 mg/m³ (15 mppcf)

TWA (OSHA): total dust, 15 mg/m³ (50 mppcf)

Talc:

TWA (OSHA): respirable fraction, 0.1 mg/m³ (20 mppcf)

TWA (ACGIH): respirable fraction, 2 mg/m³

8.2 Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practices. Wash hands before breaks and at the end of workday.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face Protection:



Use eye protection which has been tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin Protection:



Wash and dry hands after use.

Body Protection:



Wear protective clothing (such as long-sleeved shirts and long pants) whenever molten material is present. Safety footwear with good traction is recommended to help prevent slipping.

Respiratory Protection:



If excessive dust is present air-purifying respirators may be appropriate. If airborne concentrations are above the applicable exposure limits, use NIOSH approved respiratory protection (NIOSH N95, N99, or N100).

Thermal Hazards:



Use appropriate personal protective equipment when processing this material. Molten material may cause burns.

Environmental Exposure Controls:



Prevent leakage or spillage if safe to do so.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance/form	Opaque, cream, pellets, granules, or filament.
Odor	Slightly sweet.
Odor threshold	No data available.
pH	No data available.
Melting point/freezing point	140-190C analogous material.
Initial boiling point and boiling range	No data available.
Flash point	No data available.
Evaporation rate	Negligible.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapor pressure	Negligible.
Vapor density	No data available.
Relative density	1.15-1.35
Solubility(ies)	Primarily insoluble in water.
Partition coefficient: n-octanol/water	No data available.
Auto-ignition temperature	No data available.
Decomposition temperature	250-280 °C
Viscosity	No data available.
Explosive properties	No data available.
Oxidizing properties	No data available.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactive

None under normal use conditions

10.2 Chemical stability

Stable under recommended storage and use conditions. This product is stable under normal use conditions for shock, vibration, pressure, and temperature.

10.3 Possibility of hazardous reactions

Keep away from uncontrolled incompatible materials (strong oxidizing agents and strong reducing agents). Organic solvents, acids, or bases may react with and/or degrade this product.

10.4 Conditions to avoid

Avoid processing material >250 °C. Avoid uncontrolled sources of ignition.

10.5 Incompatible materials

Organic solvents, ether, gasoline, lubricating oils, chlorinated hydrocarbons, aromatic hydrocarbons, acids, or bases may react with and/or degrade this product. Water may also degrade this product.

10.6 Hazardous decomposition products

At high temperatures, this material may emit various oligomers, waxes and oxygenated hydrocarbons, and other organic vapors, oxides of carbon, oxides of silicon, aluminum, calcium, or magnesium. Inhalation of these decomposition products may be irritating and/or hazardous.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	Product test data not available.
Skin corrosion/irritation	Product test data not available.
Serious eye damage/irritation	Product test data not available.
Respiratory or skin sensitization	Product test data not available.
Germ cell mutagenicity	Product test data not available.
Carcinogenicity	Product test data not available.
Reproductive toxicity	Product test data not available.
Summary of evaluation of the CMR properties	Product test data not available.
STOT-single exposure	Product test data not available.
STOT-repeated exposure	Product test data not available.
Aspiration hazard	Product test data not available.
Additional information	To the best of our knowledge, the chemical, physical, and toxicological properties of this material have not been thoroughly investigated.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity	Based on components, product is not anticipated to be toxic. Product test data not available.
Persistence and degradability	Product is anticipated to be biodegradable under a variety of conditions.
Bioaccumulative potential	Bioaccumulation of this material is not likely.
Mobility in soil	Mobility of this material in the terrestrial environment has not been evaluated.
Results of PBT and vPvB assessment	This material is not anticipated to be considered PBT (Persistent, Bioaccumulative and Toxic) or vPvB (very Persistent or very Bioaccumulative).
Other adverse effects	Product test data not available.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal of the product	Do not dispose of waste into sewer. Offer surplus and non-recyclable pellets/filament/material to a licensed company for recycling or disposal.
Disposal of contaminated packaging	Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

DOT (US)	Not dangerous goods
IMDG	Not dangerous goods
IATA	Not dangerous goods

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations specific for the product in question

Toxic Substances Control Act (TSCA) Inventory:	All components compliant (listed or exempt).
Canadian Domestic Substances List (DSL)	All components compliant.
SARA Hazard Categories	Based on components: Immediate Hazard: No / Delayed Hazard: No / Fire Hazard: No / Pressure: No / Reactivity: No
SARA 302 Components	No components are SARA 302 listed.
SARA 311/312 Hazards	No components are SARA 311/312 listed.
SARA 313 Components	No components are SARA 313 listed.

15.2 Chemical Safety Assessment

This material is non-reactive, chemically stable, and inert under recommended storage and use conditions. This material may be melted upon heating and thermal hazards may be associated with the molten material. Whole product human and ecological impacts of this material have not been tested, any classifications made have been based entirely on individual components.

HMIS Rating:	NFPA Rating:	
Health	0 Health hazard	0
Flammability	1 Fire hazard	1
Physical hazard	0 Reactivity hazard	0
Personal protection	B Special hazard	

SECTION 16: OTHER INFORMATION

16.1 Further information/disclaimer

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16.2 Date of preparation of the SDS: March 2023

16.3 Version: 1.0

16.4 Disclaimer

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