

HTP2xxxx-ICE Safety Data Sheet Date of issue: 4-Oct-18

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product Identifier Product form Filament Trade name Translucent Iridescent Ice PLA

Product code HTP2xxxx-ICE

1.2 Relevant identified uses of the substance or mixture and uses advised against For use in 3D printers at recommended temperatures

1.3 Details of the supplier of the safety data sheet

Proto Plant 12001 NE 60th Way, B-2 Vancouver, WA 98682 www.proto-pasta.com

Emergency telephone number: 503-877-5268

Section 2: Hazards identification

2.1 Classification of the substance or mixture Not classified

2.2 Label elements

No labeling applicable

- 2.3 Other hazards No additional information applicable
- 2.4 Unknown acute toxicity (GHS US) Not applicable

Section 3: Composition/Information on ingredients

3.1 Substances/Mixtures

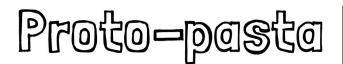
Chemical Name	CAS-No	Weight %
Polyactide resin	9051-89-2	>99
Colorant	n/a	<1

Section 4: First-aid measures

4.1 Description of first-aid measures

First-aid measures after

Inhalation	Move to fresh air. If irritation persists, seek medical attention.
Skin contact	Wash with soap and water. For thermal burns, immediately flush with cold water. Do not attempt to remove polymer from skin. Obtain medical attention.
Eye contact	First aid not likely required. Flush with water. Consult physician is symptoms persist.
Ingestion	Obtain immediate medical attention. For poison emergency in the US, call 1-800-222-1222



- **4.2 Most important symptoms and effects, both acute and delayed** No additional information available
- **4.3 Indication of any immediate medical attention and special treatment needed** Treat symptomatically

Section 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing data Unsuitable extinguishing data Water spray, dry powder, foam None known

5.2 Special hazards arising from the substance or mixture

Burning produces obnoxious and toxic fumes

5.3 Advice for firefighters

As in any fire, wear self-contained breathing apparatus and full protective gear

Section 6: Accidental release measures

6.1 Personal precautions, protective equipment, and emergency procedures

- 6.1.1 For non-emergency personnel Sweep up to prevent slipping hazard
- 6.1.2 For emergency responders Wear proper protective gear

6.2 Environmental precautions Do not flush into surface water or sanitary sewer system. Do not allow material to contaminate

ground water system.6.3 Methods and material for containment and cleaning upClean up promptly with scoop or vacuum. Sweep up and shovel into suitable containers for disposal.

6.4 Reference to other sections

No additional information available

Section 7: Handling and Storage

7.1 Precautions for safe handling

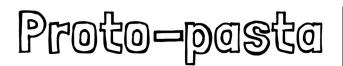
Precautions for safe handlingEnsure good ventilation of the work station. Wear personal
protective equipment.Hygiene measuresDo not eat, drink, or smoke when using this product. Always wash
hands after handling the product.

7.2 Conditions for safe storage, including any incompatibles

Store in a well-ventilated place. Keep cool.

7.3 Specific end use(s)

Not additional information available



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Section 8: Exposure controls/personal protection

8.1 Control parameters

Where reasonably practicable, use local exhaust ventilation and good general extraction. Provide appropriate exhaust ventilation in places where dust is formed.

8.2 Exposure controls

Ensure good ventilation of the work station
Protective gloves
Safety glasses
Impervious clothing
In case of insufficient ventilation, wear suitable respiratory
equipment
Avoid release in to the environment

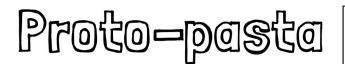
Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	Solid
Appearance	Monofilament plastic, thin strand
Color	Clear, translucent
Odor	None known
Odor threshold	Not applicable
рН	Not applicable
Melting point	195-225C
Freezing point	Not applicable
Boiling point	Not applicable
Flash point	Not determined
Relative evaporation rate	Not applicable
Flammability	Combustible if heated
Explosion limits	Not applicable
Explosive properties	Not applicable
Oxidizing properties	Not applicable
Vapor pressure	Not determined
Relative density	1.24g/cc
Relative vapor density at 20C	Not determined
Solubility	Insoluble
Log Pow	Not determined
Log Kow	Not determined
Auto-ignition temperature	300-400C
Decomposition temperature	250C
Viscosity	Not applicable
Viscosity, kinematic	Not applicable
Viscosity, dynamic	Not applicable
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9.2 Other information

No other information available



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Section 10: Stability and reactivity

10.1 Reactivity

Stable when stored as recommended

- **10.2** Chemical Stability Stable with stored/used as recommended
- **10.3 Possibility of hazardous reactions** None known
- **10.4 Conditions to avoid** Temperatures above 230C
- 10.5 Incompatible materials
- Oxidizing agents, strong acids, strong bases.

10.6 Hazardous decomposition products

Burning produces obnoxious and toxic fumes. Aldehydes, carbon monoxide, carbon dioxide.

Section 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity	None known
Skin corrosion/irritation	Contact with molten material may cause thermal burns
Serious eye damage/irritation	Contact with dust/fumes may cause irritation
Respiratory or skin sensitization	None known
Germ cell mutagenicity	Not determined
Carcinogenicity	None known
Reproductive toxicity	None known
STOT-single exposure	Not determined
STOT-repeated exposure	Not determined
Aspiration hazard	None known

Section 12: Ecological information

12.1 Toxicity

Not determined

12.2 Persistence and degradability

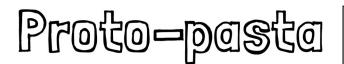
Not determined

- **12.3** Bioaccumulative potential Not determined
- **12.4 Mobility in soil** Not determined

12.5 Results of PBT and vPvB assessment Not applicable

12.6 Other adverse effects

No other information available



Section 13: Disposal considerations

13.1 Waste treatment methods

In accordance with local and national regulations. Do not contaminate ponds, waterways, or ditches with chemical or used container. For recycling, contact local waste disposal centers.

Section 14: Transport information

Not regulated under the US Department of Transportation

SDSSection 15: Regulatory information

15.1 US Federal regulations

SARA 313: None

15.2 International regulations Components are in compliance and/or are listed

15.3 US State regulations Prop 65: None

Section 16: Other information

Prepared by	Protoplant Inc
Reason for Revision	GHS compliance
Revision Date	10/03/2018

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