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Revision Number 1.01

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

**Product Name** ULTEM™ 9085 Resin Black

### Other means of identification

**Product Code(s)** SDS-000017 CE D BLK

**PN (Part Number)** 312-20200 355-02311 355-08311

**Synonyms** None

### Recommended use of the chemical and restrictions on use

**Recommended Use** Additive manufacturing

**Uses advised against** No information available

### Details of the supplier of the safety data sheet

#### Initial Supplier Identifier

JMac Consulting Ltd.  
19 Norway Maple Dr  
Chatham, Ontario  
N7L 5C8  
Canada

### Emergency telephone number

**Emergency Telephone** +1 215 207 0061 - Americas - Multi lingual response

**E-mail address** info@Stratasys.com

## 2. HAZARDS IDENTIFICATION

### Classification

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

### Label elements

#### **Hazard statements**

Not a hazardous substance or mixture according to the Globally Harmonized System (GHS)

### Other Information

No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. If small particles are generated during further processing, handling, or by other means, combustible dust concentrations in air may form. See section 7 for more information. See section 8 for more information.

- 99.2 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 99.2 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- 99.2 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
- 99.2 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- 99.2 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substance

Not applicable.

#### Mixture

The product contains no substances which at their given concentration, are considered to be hazardous to health.

\*Hazardous Material Information Review Act registry number (HMIRA registry #):

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\*\*Date HMIRA filed: - \*\*\*Date exemption granted: -

### 4. FIRST AID MEASURES

#### Description of first aid measures

<b>Inhalation</b>	Remove to fresh air.
<b>Eye contact</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>Skin contact</b>	Not an expected route of exposure.
<b>Ingestion</b>	Drink plenty of water. Do not induce vomiting without medical advice. Call a physician immediately.

#### Most important symptoms and effects, both acute and delayed

**Symptoms** None known.

#### Indication of any immediate medical attention and special treatment needed

**Note to physicians** Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

**Suitable Extinguishing Media** Foam. Water. Carbon dioxide (CO<sub>2</sub>). Dry chemical. Alcohol resistant foam.

**Unsuitable extinguishing media** CAUTION: Use of water spray when fighting fire may be inefficient.

**Specific hazards arising from the chemical** None known.

**Explosion data**  
**Sensitivity to Mechanical Impact** None.  
**Sensitivity to Static Discharge** None.

**Special protective equipment for fire-fighters** Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

**6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

**Personal precautions** Use personal protective equipment as required. Avoid contact with skin and eyes. Remove all sources of ignition. Contact with acids liberates very toxic gas.

**Environmental precautions**

**Environmental precautions** Do not flush into surface water or sanitary sewer system. Keep out of waterways.

**Methods and material for containment and cleaning up**

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

**Prevention of secondary hazards** Clean contaminated objects and areas thoroughly observing environmental regulations.

**7. HANDLING AND STORAGE**

**Precautions for safe handling**

**Advice on safe handling** Use personal protection equipment. Avoid contact with skin and eyes, when handling melted filament. If small particles are generated during further processing, handling, or by other means, combustible dust concentrations in air may form. Use respirator.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

**Exposure Limits** This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

**Appropriate engineering controls**

**Engineering controls** If dust is generated during further processing provide exhaust ventilation.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Goggles. For handling molten material, use of a faceshield is recommended.

**Skin and body protection** Impervious clothing.

**Respiratory protection** No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required. Minimize dust generation and accumulation.

**General hygiene considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

<b>Physical state</b>	Solid
<b>Appearance</b>	Monofilament
<b>Color</b>	Black
<b>Odor</b>	None
<b>Odor threshold</b>	No information available

<b><u>Property</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>
<b>pH</b>	No data available	None known
<b>Melting point / freezing point</b>	No data available	None known
<b>Boiling point / boiling range</b>	No data available	None known
<b>Flash point</b>	> 380 °C / °F	
<b>Evaporation rate</b>	No data available	None known
<b>Flammability (solid, gas)</b>	No data available	None known
<b>Flammability Limit in Air</b>		None known
<b>Upper flammability limit:</b>	No data available	
<b>Lower flammability limit:</b>	No data available	
<b>Vapor pressure</b>	No data available	None known
<b>Vapor density</b>	No data available	None known
<b>Relative density</b>	1.27 - 1.41	g/cm3
<b>Water solubility</b>	Insoluble in water	
<b>Solubility in other solvents</b>	No data available	None known
<b>Partition coefficient</b>	No data available	None known
<b>Autoignition temperature</b>	No data available	None known
<b>Decomposition temperature</b>	> 350 °C	
<b>Kinematic viscosity</b>	No data available	None known
<b>Dynamic viscosity</b>	No data available	None known
<b>Explosive properties</b>	No information available.	
<b>Oxidizing properties</b>	No information available.	

**Other information**

<b>Softening point</b>	No information available
<b>Molecular weight</b>	No information available
<b>VOC Content (%)</b>	negligible
<b>Liquid Density</b>	No information available
<b>Bulk density</b>	No information available

## 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	None under normal use conditions.
<b>Chemical stability</b>	Stable under normal conditions.
<b>Possibility of hazardous reactions</b>	None under normal processing.
<b>Conditions to avoid</b>	Excessive heat. To avoid thermal decomposition, do not overheat.
<b>Incompatible materials</b>	Oxidizing agent. Strong bases.
<b>Hazardous decomposition products</b>	Burning produces obnoxious and toxic fumes. Carbon monoxide. Carbon dioxide (CO <sub>2</sub> ). Aldehydes.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Inhalation</b>	Specific test data for the substance or mixture is not available.
<b>Eye contact</b>	Specific test data for the substance or mixture is not available.
<b>Skin contact</b>	Specific test data for the substance or mixture is not available.
<b>Ingestion</b>	Specific test data for the substance or mixture is not available.

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Symptoms</b>	None known.
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### Numerical measures of toxicity

#### Acute toxicity

##### **Unknown acute toxicity**

No information available

99.2 % of the mixture consists of ingredient(s) of unknown acute oral toxicity

99.2 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

99.2 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)

99.2 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)

99.2 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

### Delayed and immediate effects as well as chronic effects from short and long-term exposure

<b>Skin corrosion/irritation</b>	No information available.
<b>Serious eye damage/eye irritation</b>	No information available.
<b>Respiratory or skin sensitization</b>	No information available.
<b>Germ cell mutagenicity</b>	No information available.
<b>Carcinogenicity</b>	No information available.
<b>Reproductive toxicity</b>	No information available.

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<b>STOT - single exposure</b>	No information available.
<b>STOT - repeated exposure</b>	No information available.
<b>Aspiration hazard</b>	No information available.

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	The environmental impact of this product has not been fully investigated
<b>Persistence and degradability</b>	No information available.
<b>Bioaccumulation</b>	No information available.
<b>Other adverse effects</b>	No information available.

## 13. DISPOSAL CONSIDERATIONS

### Disposal methods

<b>Waste from residues/unused products</b>	Dispose of waste in accordance with environmental legislation. Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Do not reuse empty containers.

## 14. TRANSPORT INFORMATION

<b><u>TDG</u></b>	Not regulated
<b><u>DOT</u></b>	Not regulated

## 15. REGULATORY INFORMATION

### Safety, health and environmental regulations/legislation specific for the substance or mixture

#### International Regulations

<b>The Montreal Protocol on Substances that Deplete the Ozone Layer</b>	Not applicable
<b>The Stockholm Convention on Persistent Organic Pollutants</b>	Not applicable
<b>The Rotterdam Convention</b>	Not applicable

#### International Inventories

TSCA	Complies
DSL/NDSL	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AIIC	Complies

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AIIC** - Australian Inventory of Industrial Chemicals

## 16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

<u>NFPA</u>	Health hazards 0	Flammability 0	Instability 0	Physical and chemical properties -
<u>HMIS</u>	Health hazards 0	Flammability 0	Physical hazards 0	Personal protection X

**Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

**Issuing Date** 08-12-2015

**Revision Date** 02-08-2022

**Revision Note** No information available.

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**End of Safety Data Sheet**