

# SAFETY DATA SHEET

Version 1

## 1. IDENTIFICATION

### Product Identifier

**Product name** 15% Graphite PTFE

### Other means of identification

**Common Name** 310123071

**Supplier** SSP Manufacturing, Inc.  
83 Spring Lane, Hackettstown,  
NJ 07840

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

**Uses advised against** Consult your supplier if the material is to be used for special applications such as in the food industry or for hygiene, medical or surgical end-use

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

#### Supplier Address

SSP Manufacturing, Inc.

83 Spring Lane, Hackettstown, NJ 07840

## 2. HAZARDS IDENTIFICATION

### Classification

#### OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

### Label Elements

#### Emergency Overview

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

**Appearance** Powder

**Physical State** Solid

**Odor** Odorless

**Eyes** Immediately flush eyes with plenty of water for at least 15 minutes

**Skin** Wash thoroughly after handling and before eating or drinking

**Inhalation** Move to fresh air in case of accidental inhalation of vapors or decomposition products

Low hazard for usual industrial or commercial handling

Inhalation of dust may cause irritation of the respiratory system

**Ingestion** If swallowed, seek medical advice immediately and show this container or label

**Fire** Suitable Extinguishing Media

**Spill** Sweep up to prevent slipping hazard

#### **Precautionary Statements – Storage**

Avoid creating dust

Keep in a dry, cool and well-ventilated place

#### **Precautionary Statements - Disposal**

Disposal should be in accordance with applicable regional, national and local laws and regulations

#### **Hazards not otherwise classified (HNOC)**

Not applicable

### Other information

May cause respiratory irritation

Unknown acute toxicity

85% of the mixture consists of ingredient(s) of unknown toxicity

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### Substance

Component Name	CAS No	Weight-%
PTFE	9002-84-0	80 - 90 <sup>0</sup> /0
GRAPHITE POWDER	778242-5	10 -

If CAS number is "proprietary", the specific chemical identity and percentage of composition has been withheld as a trade secret.

### 4. FIRST AID MEASURES

#### Description of first aid measures

<b>Skin Contact</b>	Wash thoroughly after handling and before eating or drinking.
<b>Inhalation</b>	Move to fresh air in case of accidental inhalation of vapors or decomposition products.
<b>Eye Contact</b>	Low hazard for usual industrial or commercial handling. Inhalation of dust may cause irritation of the respiratory system.
<b>Ingestion</b>	Immediately flush eyes with plenty of water for at least 15 minutes. If swallowed, seek medical advice immediately and show this container or label.

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

**Symptoms** Treat symptomatically.

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

**Personal protective equipment for first aid responders** Use personal protective equipment as requirement

### 5. FIRE-FIGHTING MEASURES

#### Suitable Extinguishing Media

DIY chemical.

**Explosive properties** None known.

#### Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

#### Specific Methods

Sensitivity to Mechanical Impact **None.**

Sensitivity to Static Discharge **None.**

#### Special protective equipment for firefighters

Use personal protective equipment as required. Wear self-contained breathing apparatus for firefighting if necessary.

### 6. ACCIDENTAL RELEASE MEASURES

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

**Methods for Containment** Sweep up to prevent slipping hazard. Cover powder spill with plastic sheet or tarp to minimize spreading. PPE14 - Use suitable eye protection and gloves. PPE - Face Mask.

#### Environmental Precautions

**Environmental Precautions** Do not flush into surface water or sanitary sewer system.

#### Methods and material for containment and cleaning up

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

**Methods for Clean-Up** Use appropriate personal protective equipment (PPE). Carefully shovel or sweep up spilled material and place in suitable container. Avoid generating dust.

### 7. HANDLING AND STORAGE

#### Precautions for safe handling

**Handling** Avoid creating dust. Keep in a dry, cool and well-ventilated place.

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

**Precautions for safe handling** Keep container tightly closed in a cool, well-ventilated place.

**Incompatible Materials** Reacts with molten alkali metals and finely divided magnesium and aluminum at temperatures above 425 Degrees C.

**8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Control parameters**

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

Component Name	ACGIH TLV	OSHA PEL	NOSH IDLH
PTFE 9002-844)	-	-	-
GRAPHITE POWDER 778242-5	-	15 mg/m <sup>3</sup> TWA total dust 5 m l m <sup>3</sup> TWA respirable fraction	-

**Appropriate engineering controls**

**Engineering Controls** Use only in well-ventilated areas. In case of inadequate ventilation wear respiratory protection.

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

Respiratory Protection In case of insufficient ventilation, wear suitable respiratory equipment.

Odor None.

Eye Protection Wear safety glasses.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	<b>Solid</b>	<b>Odor</b>	<b>Odorless</b>
<b>Appearance</b>	<b>Powder</b>	<u>Remarks • Method</u>	
<b>Property</b>	<b>Values</b>		
<b>ph</b>	No information available		
<b>Melting point/freezing point</b>	No information available		
<b>Boiling point/boiling range</b>	No information available		
<b>Flash Point</b>	No information available		
<b>Evaporation Rate</b>	No information available		
<b>Flammability (solid, gas)</b>	No information available		
<b>Flammability Limit in Air</b>	No information available		
<b>Upper flammability limit:</b>	No information available		
<b>Lower flammability limit:</b>	No information available		
<b>Specific Gravity</b>	No information available		
<b>Water solubility</b>	No information available		
<b>Solubility in other solvents</b>	No information available		
<b>Autoignitiontemperature</b>	No information available		
<b>Kinematicviscosity</b>	No information available		
<b>Explosive properties</b>	No information available		
<b>Oxidizing properties</b>	No information available		
<b><u>OTHER INFORMATION</u></b>	No information available		
<b>Softening point</b>	No information available		
<b>Molecular weight</b>	No information available		
<b>VOC Content (%)</b>	No information available		
<b>Density</b>			
<b>Bulk Density</b>			

## 10. STABILITY AND REACTIVITY

### Reactivity

Reacts with molten alkali metals and finely divided magnesium and aluminum at temperatures above 425 Degrees C

### Chemical Stability

Stable under normal conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to Avoid

Avoid overheating to minimize fume production.

### Incompatible Materials

Reacts with molten alkali metals and finely divided magnesium and aluminum at temperatures above 425 Degrees C.

### Hazardous Decomposition Products

Thermal decomposition of product above 300 degrees (C), can create Carbonyl fluoride, which combines with air and moisture and hydrolyses to Hydrogen Fluoride and Carbon Dioxide. Other PTFE degradation products include; perfluoroisobutylene, tetrafluoroethylene, hexafluoropropylene, carbon monoxide and trifluoromethane.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>Product information</b>	No Data Available
<b>Inhalation</b>	No Data Available.

**Eye Contact** No Data Available.

**Skin Contact** No Data Available.

**Ingestion** No Data Available.

Component Name	Oral LD50	Dermal LD50	Inhalation LC50
PTFE 9002-84-0	-	-	-
GRAPHITE POWDER 778242-5	> 10000 mg/kg ( Rat )	-	-

#### **Information on toxicological effects**

**Symptoms** No information available.

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

**Sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity.** No information available.

Component Name	ACGIH	IARC	NTP	OSHA
PTFE 9002-84-0	-	Group 3	-	-
GRAPHITE POWDER 7782-42-5	-	Not Listed	-	-

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**STOT - repeated exposure** No information available.

**Aspiration hazard** No information available.

#### **Numerical measures of toxicity - Product information**

The following values are calculated based on chapter 3.1 of the GHS document . Mg/kg

### **12. ECOLOGICAL INFORMATION**

#### **Ecotoxicity**

100% of the mixture consists of component(s) of unknown hazards to the aquatic environment

#### **Persistence and degradability.**

No information available.

Component Name	Partition Coefficient
PTFE 9002-84-0	-
GRAPHITE POWDER 7782-42-5	-

**Mobility** Insoluble and sinks in water

### 13. DISPOSAL CONSIDERATIONS

**Waste treatment methods**

**Disposal of wastes** Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated packaging** Do not reuse container.

Component Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
PTFE 9002-84-0	-	-	-	-
GRAPHITE POWDER 778242-5	-	-	-	-

Component Name	RCRA - Halogenated Organic Compounds	RCM - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
PTFE 9002-84-0	-	-	State and local disposal regulations may differ from federal disposal regulations	-
GRAPHITE POWDER 7782-42-5	-	-	State and local disposal regulations may differ from federal disposal regulations	-
Component Name		California Hazardous Waste Status		
PTFE 9002-84-0		-		
GRAPHITE POWDER 778242-5		-		

### 14. TRANSPORT INFORMATION

**DOT** Not regulated

### 15. REGULATORY INFORMATION

**International inventories**

**TSCA** Complies  
**DSUNDSL** Complies  
**EINECS/ELINCS** Does not comply  
**ENCS** Does not comply

**China inventory of existing chemical substances list** Complies

**Inventory - korea - existing and evaluated chemical substances** Complies

**ROHS** Complies

**REACH** Complies

**PICCS** Complies

**NICNAS (Australia)** Complies

**Legend:**

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

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

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

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

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

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

**ROHS** - ROHS List of Substances

**REACH** - REACH SVHC substances.

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

**AICS** - Australian Inventory of Chemical Substances

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

**SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	No
<b>Chronic Health Hazard</b>	No
<b>Fire Hazard</b>	No
<b>Sudden release of pressure hazard</b>	No
<b>Reactive Hazard</b>	No

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Component Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	Clean Water Act - Priority Pollutants	Clean Water Act Hazardous Substances
PTFE 9002-84-0	-	-	-	-
GRAPHITE POWDER 778242-5	-	-	-	-

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

Component Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable quantity RQ
PTFE 9002-84-0	-	-	-
GRAPHITE POWDER 778242-5	-	-	-

**US State Regulations**

**California Proposition 65**

This product does not contain any Proposition 65 chemicals

**U.S. State Right-to-Know Regulations**

**US, EPA Label Information**

EPA Pesticide Registration Number Not applicable

**16. OTHER INFORMATION INCLUDING DATE OF PREPARATION OF THE LAST REVISION**

<u>NFPA Rating</u>	Health Hazards 2	Flammability 1	Instability 0	Physical and chemical properties -
<u>HMIS Rating</u>	Health hazards 2	Flammability 1	Physical Hazards -	Personal Protection E
				x

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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