



Issue Date 02-Oct-2019

Revision Date 18-Jun-2015

Version 1

1. IDENTIFICATION

Product identifier

Product Name Palmetto Style 5000 and 5000M

Other means of identification

Product Code 5000

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Consumer use.

Uses advised against Not applicable

Details of the supplier of the safety data sheet

Manufacturer Address

Palmetto LLC
25 Engerman Ave.
Denton, MD 21629

Emergency telephone number

Company Phone Number (410) 479-2244

24 Hour Emergency Phone Number 267-228-2216

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). No label required.

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

Appearance Gray to Black Rope like appearance

Physical state Solid

Odor No odor

Hazards not otherwise classified (HNOC)

This product contains up to 95% Braided Flexible Graphite yarn which is considered to be non-hazardous under the 2012 OSHA Hazard Communication Standard (29 CFR 1920.1200).

Other Information

Not applicable

Unknown acute toxicity

5% of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance

Chemical Name	CAS No.	Weight-%	Trade Secret
Graphite	7782-42-5	60-95	*
Glass, oxide, chemicals	65997-17-3	1-20	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of first aid measures

General advice	No hazards which require special first aid measures.
Eye contact	Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists: Get medical advice/attention.
Skin contact	Wash with soap and water.
Inhalation	Remove to fresh air.
Ingestion	Not an expected route of exposure.

Most important symptoms and effects, both acute and delayed

Symptoms None.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Product does not support combustion or flame. Use extinguishing media suitable for surrounding fire.

Unsuitable extinguishing media None.

Specific hazards arising from the chemical

None in particular.

Hazardous combustion products Carbon monoxide. Carbon dioxide (CO₂).

Explosion data

Sensitivity to Mechanical Impact Not impact sensitive.

Sensitivity to Static Discharge Not sensitive.

Protective equipment and precautions for firefighters

Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal precautions Wash hands thoroughly after handling.

Environmental precautions

Environmental precautions Should not be released into the environment. See Section 12 for additional ecological information.

Methods and material for containment and cleaning up

Methods for containment Not applicable.

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

7. HANDLING AND STORAGE**Precautions for safe handling**

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Store at room temperature.

Incompatible materials None known based on information supplied.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters****Exposure Guidelines**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Graphite 7782-42-5	TWA: 2 mg/m ³ respirable particulate matter all forms except graphite fibers	TWA: 15 mg/m ³ total dust synthetic TWA: 5 mg/m ³ respirable fraction synthetic (vacated) TWA: 2.5 mg/m ³ respirable dust natural (vacated) TWA: 10 mg/m ³ total dust synthetic (vacated) TWA: 5 mg/m ³ respirable fraction synthetic TWA: 15 mppcf natural	IDLH: 1250 mg/m ³ TWA: 2.5 mg/m ³ natural respirable dust
Glass, oxide, chemicals 65997-17-3	TWA: 1 fiber/cm ³ respirable fibers: length >5 µm, aspect ratio >=3:1, as determined by the membrane filter method at 400-450X magnification [4-mm objective], using phase-contrast illumination TWA: 5 mg/m ³ inhalable particulate matter	-	-

Appropriate engineering controls

Engineering Controls None under normal use conditions.

Individual protection measures, such as personal protective equipment

Eye/face protection Wear safety glasses with side shields (or goggles).

Skin and body protection No special technical protective measures are necessary.

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.

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**

Physical state Solid

Appearance	Gray to Black Rope like appearance	Odor	No odor
Color	Gray	Odor threshold	None

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH	Not applicable	
Melting point / freezing point	Not determined	
Boiling point / boiling range	Not determined	
Flash point	Does not flash	
Evaporation rate	Not applicable	
Flammability (solid, gas)	Not determined	
Flammability Limit in Air		
Upper flammability limit:	Not determined	
Lower flammability limit:	Not determined	
Vapor pressure	Not applicable	
Vapor density	Not determined	
Relative density	Not determined	
Water solubility	Insoluble in water	
Solubility in other solvents	Not determined	
Partition coefficient	Not determined	
Autoignition temperature	Not determined	
Decomposition temperature	Not determined	
Kinematic viscosity	Not determined	
Dynamic viscosity	Not determined	
Explosive properties	None	
Oxidizing properties	None	

Other Information

Softening point	Not determined
Molecular weight	Not determined
VOC Content (%)	None
Density	Not determined
Bulk density	Not determined

10. STABILITY AND REACTIVITY**Reactivity**

No data available

Chemical stability

Stable under normal conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous polymerization

Hazardous polymerization does not occur.

Conditions to avoid

Unknown.

Incompatible materials

None known based on information supplied.

Hazardous Decomposition ProductsCarbon monoxide. Carbon dioxide (CO₂).**11. TOXICOLOGICAL INFORMATION****Information on likely routes of exposure****Product Information**

Product does not present an acute toxicity hazard based on known or supplied information

Inhalation	No known effect.
Eye contact	Dust may have irritant effect on eyes. Permanent damage is unlikely.
Skin contact	No known hazard in contact with skin.
Ingestion	Not an expected route of exposure.

Information on toxicological effects

Symptoms None.

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

Sensitization None.

Germ cell mutagenicity None.

Carcinogenicity None.

Chemical Name	ACGIH	IARC	NTP	OSHA
Glass, oxide, chemicals 65997-17-3	-	Group 3	-	-

Reproductive toxicity None.

STOT - single exposure None.

STOT - repeated exposure None.

Aspiration hazard None.

Numerical measures of toxicity - Product Information**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Aquatic toxicity is expected to be low due to insolubility in water

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

Persistence and degradability

Not readily biodegradable.

Bioaccumulation

Material does not bioaccumulate.

Mobility

Low mobility in soil.

Other adverse effects None

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations. This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261).

Contaminated packaging Do not reuse container.

14. TRANSPORT INFORMATION

Note: This material is not subject to regulation as a hazardous material for shipping

DOT Not regulated

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Does not comply
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - 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
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical 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

Acute health hazard	No
Chronic Health Hazard	No
Fire hazard	No
Sudden release of pressure hazard	No
Reactive Hazard	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)

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

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations**U.S. EPA Label Information**

EPA Pesticide Registration Number Not applicable

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

NFPA	Health hazards 0	Flammability 0	Instability 0	Physical and Chemical Properties Not applicable
HMIS	Health hazards 0	Flammability 0	Physical hazards 0	Personal protection X

Prepared By Tom Klopp
Corporate Manager, Safety, Health, Environment

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Revision Note
None

Disclaimer

The information provided in this 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.

End of Safety Data Sheet