SAFETY DATA SHEET

Columbus Industries, Inc.

(740) 983-2552
Performance Engineered Air Filter Products

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: **WICK Filter**
(HAC504 series, HAC700 series, HC888 series, HFT600 series, HC14 Series)

Product Use: Humidfier element (filter)

Columbus Industries, Inc.
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Date SDS prepared: 8/20/2018 Prepared by: Gretchen Krum
Emergency Phone No. 740-983-2552
All Medical Emergencies: Contact Local Emergency Service Provider

SECTION 2 — HAZARDS IDENTIFICATION

Mixture

Pictogram	None
Signal word	Warning
Hazard statement(s)	May be harmful if ingested.
Precautionary statement(s)	Avoid breathing dusts when changing filters and wash hands after handling used filters.

Hazards not otherwise classified (HNOC) or not covered by GHS
None

SECTION 3 — COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS #	Weight Percent %
Cellulose	9004-34-6	95-98%
Polyethylene Film	9002-88-4	3-5%
Metal Oxide Composite	7440-22-4/1344-281-1	< 1%

4-FIRST AID MEASURES

Skin Contact:	In case of irritation, wash contacted area with soap and water.
Eye Contact:	Flush eyes with water.
Inhalation:	If inhaled, move person to fresh air.
Ingestion:	Never give anything by mouth to unconcious person, rinse mouth with water.

5 – FIRE FIGHTING MEASURES

Means of Extinction:	Use sutiable extinguishing media; water spray, alcohol resistant foam, or dry chemical.
Special hazards arising from the substance or mixture:	Carbon oxides
Advice for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	When changing or replacing filters avoid dust formation. Avoid breathing vapours, mist or gas.
Environmental precautions	No special environmental precautions required.
Methods and materials for containment and cleaning up	Sweep up and shovel. Keep in suitable, closed containers for disposal.

7. HANDLING AND STORAGE

Precautions for safe handling	Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs.
Conditions for safe storage, including any incompatibilities	Keep in a dry place.
Specific end use(s)	Where proper protective equipment when handling used filters.

SECTION 8 — EXPOSURE CONTROL / PERSONAL PROTECTION

Control parameters

Components with workplace control parameters

Contains no substances with occupational exposure limit values.

Exposure controls

Airborne Exposure Limits:
- OSHA Permissible Exposure Limits (PELs) -
For Activated Carbon (graphite, synthetic):
total particulate = 15 mg/m3 (TWA),
respirable fraction = 5 mg/m3 (TWA).
For Silica: Crystalline Quartz:
total dust = 30/(%SiO2 + 2) mg/m3
respirable fraction = 10/(%SiO2 + 2) mg/m3.

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

No Personal protective equipment needed for handling clean filters. However protective equipment may be required when handling used filters. This may include:

Eye/face protection

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

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place., The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

No special environmental precautions required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Odor	No data available
Odor Threshold	No data available
pH	No data available
Melting point/ freezing point	No data available
Initial boiling point and boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gas)	May form combustible dust concentrations in air.

Upper/lower flammability or explosive limits	No data available

10. STABILITY AND REACTIVITY

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No data available

Conditions to avoid

No data available

Incompatible materials

Strong oxidizing agents, strong acids and high temperatures above 200° C

Hazardous decomposition products

Other decomposition products - No data available

In the event of fire: see section 5

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

No data available

Inhalation: No data available

Dermal: No data available

Skin corrosion/irritation

No data available

Serious eye damage/eye irritation

No data available

Respiratory or skin sensitisation

No data available

Germ cell mutagenicity

No data available

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

12. ECOLOGICAL INFORMATION

Toxicity

No data available

Persistence and degradability

No data available

Bioaccumulative potential

No data available

Mobility in soil

No data available

Other adverse effects

No data available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Unused filters are not RCRA hazardous.

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of used filters with all applicable local and federal regulations.

14. TRANSPORT INFORMATION

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

15. REGULATORY INFORMATION

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Massachusetts Right To Know Components

No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components

No components are subject to the Pennsylvania Right to Know Act.

New Jersey Right To Know Components

No components are subject to the New Jersey Right to Know Act.

California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

16. OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

May form combustible dust concentrations in air

HMIS Rating

Health hazard:	0
Chronic Health Hazard:	0
Flammability:	0
Physical Hazard:	0

NFPA Rating

Health hazard:	0
Fire Hazard:	0
Reactivity Hazard:	0

Preparation Information

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