

SAFETY DATA SHEET

1. Product and Company Identification

Product Name	HF-40
Product Number	HF-40
Product Type	Cellulose CAS# 9004-34-6
Product Use	Filter media
Manufacturer	Henry Filters
	555 Van Camp Road
	Bowling Green, OG 43402
Company Contact	419.352.7501
Emergency Telephone Number	419.352.7501

2. Hazards Identification

GHS Classification in accordance with 29 CFR 1910 OSHA HCS

Acute toxicity, inhalation (Category 5) H333

Aspiration hazard, (Category 2) H305

GHS Label elements, including Precautionary Statements

Pictogram



Signal Word

Warning

Hazard Statements

H333

May be harmful if inhaled

H305

May be harmful if swallowed and enters airways.

Precautionary Statements

P301+P310

If swallowed, immediately call a Poison Center or a physician. Do not induce vomiting.

P261

Avoid breathing dusts. Dust may mechanically irritate the eyes, resulting in redness, or watering. Treat dust in eyes as a foreign object. Flush with water to remove dust particles.

P304+P312

If inhaled, call a Poison Center or a physician if not feeling well

P284

In case of inadequate ventilation, wear respiratory protection

P405

Store locked up.

P501

Dispose of contents/containers in accordance with local, regional, or federal regulations.

3. Hazardous Ingredients and Exposure Control

The criteria for listing components in this section are: Carcinogens are listed when present at 0.1% or greater; components which are otherwise hazardous according to OSHA are listed when present at 1.0% or greater. Non hazardous components are not listed. This is not a composition disclosure.

Hazardous Components	CAS#	Classification	%
Cellulose	9004-34-6	H305, H333	100

4. First Aid Measures

Description of First Aid Procedures

In Case of Eye Contact

Flush with cool running water for 15 minutes. If irritation persists, get medical attention. Check for and remove contact lenses if possible.

In Case of Skin Contact

Rinse with cool water. If irritation occurs, get medical attention.

If Ingested	Rinse mouth with water. Do not induce vomiting. Obtain medical attention. Never give anything by mouth to an unconscious person.
If Inhaled	Move to fresh air and keep comfortable for breathing. Seek medical attention if not feeling well.
Notes to Physician	Symptoms may be delayed.
General advice	Seek medical attention if feeling unwell. Show the SDS to the physician in attendance.

5. Fire-fighting Measures

Flammable properties	May be combustible at high temperatures
Extinguishing media	Use dry chemical, foam, carbon dioxide or water fog.
Protection of firefighters	Firefighters should wear protective clothing including self contained breathing apparatus
Hazardous combustion products	May include and not limited to oxides of carbon, and nitrogen.
Unusual Fire, Explosion hazards	Damp cellulose can be a significant fire hazard since it may undergo spontaneous combustion. Depending on moisture content, particle diameter, and rate of heating, cellulose dust may explode in the presence of an ignition source. An airborne concentration of 30,000 mg/m ³ is often used as the LEL for cellulose. Separate from chemicals with unknown reactions to cellulose.

6. Accidental Release Measures

Personal precautions	Keep unnecessary personal away. Avoid skin contact and inhalation of dust.
Methods for cleaning up	Before attempting clean up, refer to hazard data given above. Use appropriate tools to put small spills in a convenient waste disposal container. Large spills, use a shovel to put the material in a convenient waste disposal container. Finish cleaning by rinsing the contaminated surface with water and allow to evacuate through the sanitary system..

7. Handling and Storage

Precautions for Safe Handling	Use good industrial hygiene practices when handling this material. Do not ingest material. Do not breath dusts.
Conditions for Safe Storage	Keep containers closed when not in use. Keep away from heat or sources of ignition. Store on pallets without contacting walls, ceiling, or floor. Storage area should be well ventilated and free of chemical fumes or vapors.

8. Exposure Controls and Personal Protection

Exposure Limits	CAS#	OSHA PEL	ACGIH TLV
Ingredients			
Cellulose	9004-34-6		
Total dust		15 mg/m ³	10 mg/m ³
Respirable dust		5 mg/m ³	
Engineering controls	Ventilation adequate to handle dust indigenous to operation.		
Personal protective equipment			
Eye/Face protection	Wear safety glasses with side shields if dust conditions exist.		
Hand protection	Generally not required		
Skin and body	As required by employer code.		
Respiratory protection	Use a dust mask or a NIOSH approved respirator when exposure guidelines are exceeded.		

General hygiene considerations	Handle in accordance with good industrial hygiene practices. Do not eat or drink when using product. Wash hands well before breaks and immediately after handling the product.
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9. Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance/form	Solid
Color	White
Odor	Odorless
Odor threshold	Not available
pH	Not applicable
Melting/freezing point	500°C-518°C (≈ 932° F.)
Initial Boiling point	Decomposes
Flash point	Not available
Evaporation rate	Not applicable
Flammability	Combustible at high temperatures
Upper/lower flammability or Explosive limits	Not available
Vapor pressure	Not established
Vapor density	Not established
Specific gravity/density	1.27-1.61
Vapor density	Not established
Solubility in water	Insoluble
VOC	Not applicable
% Volatile	Not applicable

Other Safety Information

10. Stability and Reactivity

Reactivity	
Chemical Stability	Stable under normal storage conditions.
Hazardous reactions	None known under normal use/storage.
Conditions to avoid	Excessive heat, incompatible materials.
Incompatible materials	Strong acids, alkalis, strong oxidizing agents.
Hazardous decomposition products	May include but not limited to oxides of carbon, and nitrogen.
Hazardous polymerization	Will not occur

11. Toxicological Information

Ingredients	LC50
Cellulose	5800 mg/m ³ (Inhalation – rat) 4 hours
Ingredients	LD50
Cellulose	> 5000 mg/kg (oral-rat) > 2000 mg/kg (dermal- rabbit)
Effects of acute exposure	
Eye	Dust may cause irritation
Skin	Not likely to cause irritation.
Ingestion	May be aspirated to lungs
Inhalation	Aspiration of material may irritate respiratory tract.
Sensitization	Non hazardous.
Chronic effects of short and long Term exposure	None known
Carcinogenicity	Does not contain ingredients considered carcinogenic by NTP, IARC, or OSHA.
Mutagenicity	Non hazardous.
Reproductive effects	Non hazardous.
Teratogenicity	Non hazardous.

12. Ecological Information

Eco-toxicity	Ecological effects for this product have not been analyzed
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Environmental effects	Not Available
Aquatic toxicity	Not Available
Persistence and Degradability	The product itself and its degradation products are not toxic.
Bioaccumulation/accumulation	Not Available
Partition coefficient	Not Available
Mobility in environmental media	Not Available
Chemical fate information	Not Available
Other adverse effects	Not Available

13. Disposal Considerations

Waste codes	Not Available
Disposal instructions	Dispose in accordance with local, state, and federal regulations
Wastes from residues/unused product	Containerize. Rinse area with water. Keep out of storm sewer/waterways.
Contaminated packaging	Dispose in accordance with all applicable regulations.

14. Transport Information

Basic shipping requirements:	Not DOT regulated
Proper shipping name	
Hazard class	
UN number	
Packing group	
Special provisions	
Packaging exceptions	

15. Regulatory Information

U.S federal regulations	This product has been classified in accordance with the Occupational Safety and Health Administration hazard criteria and the SDS contains all of the information required by OSHA. HCS 2012	
HMIS classification	Not controlled.	
TSCA	All ingredients are on the TSCA inventory.	
California Proposition 65	This product does not contain ingredients listed under California Prop. 65	
SARA Title III Section 313	This product does not contain ingredients subject to section 313.	
States Right to Know	Reportable chemicals: Cellulose	
Inventory Status	Inventory Name	On Inventory (Yes/No)*
Countries		
U.S.	Chemical Inventory List	Yes
Canada	Domestic substances list	Yes
• A "Yes" indicates that all of the components of this product comply with the inventory requirements administered by the governing country(s) listed.		

16. Other Information

HMIS RATING

HMIS Legend

Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	1
Flammability	1
Reactivity	0
Personal Protection	B

Disclaimer

To the best of our knowledge, the information included herein is accurate. However, neither the above named supplier nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Issue date

January 22, 2015

Supersedes date

Previous issues

Reason for update

Conform to GHS OSHA HCS 2012

Expiration date

January 22, 2018