
Material Safety Data Sheet

Product Name: **Sanitary Filter Media Disk Element**

Product Part Number: **2050-1**

Section I

Material Identity:..... Hovoglas HiPerm Filter Media
Chemical Formula:..... N/A
Manufacturer:..... Hollingsworth & Vose Company
Distributor:..... King Engineering Corporation
Emergency Phone Number: 1-508-668-0295

Section II

Hazardous Component: Glass, Fibrous (CAS No. 65997-17-3)

■ Manufacturer's MSDS Attached

The information herein is provided in good faith, but no warranty, either expressed or implied, is made by King Engineering Corporation.

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard 29 CFR 1910, 1200, Standard must be consulted for specific requirements.

U.S. Department of Labor

Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OBM No. 1218-0072



IDENTITY (As Used on Label and List)

Hovofil HF Grades; Hovoglas: DC-DF, HA-HF, KA-KF,
PA-PF Grades; L&LL Grades; R&RR Grades

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name

Hollingsworth & Vose Company

Emergency Telephone Number

(508) 668-0295

Address (Number, Street, City, State, and Zip Code)

112 Washington Street

Telephone Number for Information

(508)-668-0295

East Walpole, MA 02032

Date Prepared

February 4, 2002

Signature of Preparer (optional)

Section II – Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	Other Limits			% (optional)
	OSHA PEL	ACGIH TLV	Recommended	
Special purpose fiber glass (CAS No. 65997-17-3)	5 mg/M ³ *	1 f/cc***	3 f/cc (NIOSH)	
	15 mg/M ³ *		1 f/cc (mfg.)****	
	* Respirable fraction			
	** Total dust			
	*** Respirable fibers			
	**** Manufacturers workplace exposure guideline			

Section III – Physical/Chemical Characteristics

Boiling Point	N/A	Specific Gravity (H ₂ O = 1)	< 1
Vapor Pressure (mm Hg.)	N/A	Melting Point	N/A
Vapor Density (AIR = 1)	N/A	Evaporation Rate (Butyl Acetate = 1)	N/A
Solubility in Water	Slight		
Appearance and Odor	Fiber glass filter media		

Section IV – Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
Not applicable.	Not applicable.		
Extinguishing Media	Water, CO ₂ .		
Special Fire Fighting Procedures	Wear self-contained breathing apparatus.		
Unusual Fire and Explosion Hazards	Toxic vapors may be released.		

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid Hot, Poorly ventilated areas.
	Stable	X	

Incompatibility (*Materials to Avoid*) None to our knowledge.

Hazardous Decomposition or Byproducts Burning may yield carbon monoxide and other toxic byproducts.

Hazardous Polymerization	May Occur		Conditions to Avoid Hot, Poorly ventilated areas.
	Will Not Occur	X	

Section VI – Health Hazard Data

Route(s) of Entry:	Inhalation?	Skin?	Ingestion?
	Yes	Yes	No

Health Hazards (*Acute and Chronic*)
SEE ATTACHED SHEET

Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
	Yes	Yes	No

Signs and Symptoms of Exposure

Irritation of upper respiratory tract, skin, and eyes.

H & V has been asked to supply the attached Material Safety Data Sheet ("MSDS") despite the fact that some of the data contained therein is based on information supplied to H&V by third parties and the fact that H&V cannot anticipate all of the conditions of use and application with respect to the product described in the MSDS. Although H&V has made a good faith effort in filling out the MSDS and believe the information data and suggestions contained therein to be reliable, H&V DOES NOT WARRANT OR GUARANTEE THE COMPLETENESS OR THE ACCURACY OF THE DATA CONTAINED IN THE MSDS H&V DISCLAIMS ANY AND ALL RESPONSIBILITY FOR ANY USE OF OR RELIANCE ON SUCH DATA.

Medical Conditions Generally Aggravated by Exposure

Pre existing upper respiratory and lung diseases.

Emergency and First Aid Procudures

Remove to fresh air.

Flush eyes with water, Wash skin with soap and water.

Section VII - Precautions for Safe Handling and Use

Steps To Be Taken In Case Material Released or Spilled

Pick up Places and vacum dust.

Use Dust Suppressant If Sweeping is Necessary.

Waste Disposal Method

Dispose of in Accordance with Federal, State, and Local Regulations.

Precautions To Be Taken in Handling and Storing

Store in a Cool, Well Ventilated Area.

Other Precautions

Avoid Creating Dust. See Section VIII Below.

Avoid Excessive Contact With Skin.

Section VIII - Control Measures

Respiratory Protection (*specity Type*)
SEE ATTACHED SHEET

Ventilation	Local Exhaust	Recommended for Cutting and Slitting Operations.	Special
	Mechanical (<i>General</i>)	Recommended	

Protective Gloves

Recommended

Eye Protection

Goggles or Glasses With Sideshields are Recommended

Other Protective Clothing or Equipment

Wear Loose, Long-Sleeved Clothing.

Work/Hygienic Practices

Wash Exposed Area With Soap and Warm Water After Handling. Wash Work Clothes Separately. Rinse Washer Thoroughly.

Section VI - Health Hazard Data, cont'd

FIBER GLASS

Acute: _____ Fiber glass is an irritant of the upper respiratory tract, skin, and eyes.

- Chronic:**
- 1. Animal Studies:** Animal exposed to a special purpose fiber glass by inhalation in a number of previous studies showed no significant increases in pulmonary tumor incidence. Interim results from a chronic animal inhalation study have shown lung fibrosis and mesothelioma in animals exposed to the special purpose fiber glass. In other fiber glass studies animals exposed by artificial means (e.g., implantation and injection) developed tumors.
 - 2. Human studies:** In a morbidity study of fiber glass manufacturing workers, published in 1993, the authors concluded that there were no signs of exposure. A 1990 update of a U.S. mortality study reported a small but statistically significant excess in respiratory cancer. There was no relationship, however, with duration of employment or estimated cumulative exposure. This study has been expanded to attempt to identify possible confounding factors.
 - 3. Classification:** Studies of fiber glass manufacturing workers were judged by IARC in 1987 to be inadequate for carcinogenicity in humans. Based primarily on data from artificial exposure studies in animals, IARC classified fiber glass wool as possibly carcinogenic to humans (Group 2B). NPT lists glass wool (Respirable Size) as a substance reasonably anticipated to be a carcinogen. OSHA has been not classified fiber glass wool.

Section VIII - Control Measures, cont'd

Respiratory Protection _____ For exposures up to 10 f/cc, use a NIOSH-approved particulate respirator with a filter efficiency of 95% or higher. Above 10 f/cc, use a NIOSH-approved full-face respirator with a filter efficiency of 99% or higher.