



MATERIAL SAFETY DATA SHEET

SECTION I: IDENTIFICATION OF PRODUCT

PRODUCT NAME: Filtravis
PRODUCT USE: Oil Well Fluid Additive
CHEMICAL FAMILY: Amphoteric Cellulose Ether

WORK PLACE HAZARDOUS MATERIALS INFORMATION SYSTEM (WHMIS)

WHMIS CLASSIFICATION: Not A Controlled Product Under WHMIS
WORK PLACE HAZARD: N/A

TRANSPORTATION OF DANGEROUS GOODS (TDG)

SHIPPING NAME: Not Regulated Under TDG
TDG CLASSIFICATION: N/A
UN NUMBER (PIN): N/A
PACKING GROUP: N/A

SECTION II: HAZARDOUS INGREDIENTS

<u>INGREDIENT</u>	<u>PERCENT</u>	<u>CAS NUMBER</u>	<u>LD₍₅₀₎ Oral-Rat</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
No Hazardous Ingredients					

SECTION III: TOXOLOGICAL PROPERTIES

ROUTE OF ENTRY: SKIN EYE CONTACT INHALATION INGESTION

EYE CONTACT : This material is not expected to be irritating to the eyes.
SKIN CONTACT: This material is not expected to be irritating to the skin.
INGESTION: The oral LD₅₀ in the rat is greater than 2g/kg.
INHALATION: Inhalation of dust may cause sneezing, allergic Sensitizer.

SECTION IV: FIRST AID MEASURES

SKIN CONTACT: Wash skin with copious amounts of water.
EYE CONTACT: Flush with copious amounts of water immediately
INGESTION: If ingested, dilute by drinking large quantities of water, get immediate medical attention.
INHALATION: Remove patient to fresh air. Apply artificial respiration as required



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OTHER HEALTH EFFECTS: This material is not considered to be mutagenic in the Salmonella typhimurium reverse mutation assay and in the E. Coli reverse mutation assay. This material caused skin Sensitization reaction in a Magnusson-Kligman Guinea Pig maximization test. Long-term exposure to high dust concentration may cause non-debilitating lung changes.

SECTION V: PHYSICAL DATA

APPEARANCE AND ODOUR:	Off white, free flowing powder, Amine Like Odour
SPECIFIC GRAVITY:	No Data available
BOILING POINT (°C):	N/A
MELTING POINT (°C):	N/A
SOLUBILITY IN WATER:	Soluble (20D-C)
PERCENT VOLATILE BY VOLUME:	No Data Available
VAPOUR PRESSURE (mm Hg):	N/A
VISCOSITY:	5-15.000 mPa (1% solution, 25C Brookfield LV; 30rpm)

SECTION VI: FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	N/A
FLAMMABLE LIMITS:	Not Established.
EXPOSURE LIMITS:	No Data Available.
EXTINGUISHING MEDIA:	Foam, powder or carbon dioxide (CO ₂).
SPECIAL FIRE FIGHTING PROCEDURES:	Evacuate area of all unnecessary personnel. Use NIOSH approved self-contained breathing apparatus (SCBA) and other protective equipment if conditions warrant. Water fog or spray may be used to cool exposed containers and equipment.
UNUSUAL FIRE/EXPLOSION HAZARDS:	Dust/air mixtures ignite violently upon exposure to sparks/sources of ignition.

SECTION VII: REACTIVITY DATA

STABILITY:	Stable [XX]	Unstable []
INCOMPATIBILITY (CONDITIONS TO AVOID):	Avoid dust generation	
CONDITIONS OF REACTIVITY:	N/A	
HAZARDOUS DECOMPOSITION PRODUCTS:	None	
HAZARDOUS POLYMERIZATION:	Will Not Occur [XX]	May Occur []

VIII: PREVENTIVE MEASURES



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SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:	Not generally required unless needed to prevent respiratory irritation. For concentrations exceeding the recommended exposure limit, use NIOSH approved air-purifying respirator.
VENTILATION:	Use Adequate ventilation.
PROTECTIVE GLOVES:	Not Required
EYE PROTECTION:	Use safety glasses with side shields. Avoid contact with eyes.
OTHER PROTECTIVE EQUIPMENT:	Avoid skin contact with material. Wear protective clothing such as Seranox Coated Tivek when skin contact with airborne dust is possible.

Note: Personal protection information is based upon general information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Airborne dust may create a dust explosion hazard. Avoid contact with eyes, skin or clothing. Contact with skin may cause an allergic skin reaction. Avoid breathing vapours, mist, fume or dust. Wear equipment and/or garments described if exposure conditions warrant. Launder contaminated clothing before re-use. Wash thoroughly after handling. Use with adequate ventilation. Store in well-ventilated area. Store in closed container.

STEPS TO BE TAKEN IN CASE THE MATERIAL IS SPILLED OR RELEASED

Precautions required if material is released or spilled:

Evacuate area of all unnecessary personnel. Contain spill. Sweep up spill and place in disposal container. Wear protective equipment and/or garments described if exposure conditions warrant. Keep out of water sources and sewers.

WASTE DISPOSAL METHOD

(Insure conformity with all applicable disposal regulations; Manage in a permitted waste management facility. Prior to disposal, consult your environmental contact to determine if TCLP (Toxicity Characteristic Leaching Procedure, EPA Test Method 1311) is required. Reference 40 CFR Parts 261.

SECTION IX: PREPARATION

THE INFORMATION CONTAINED HEREIN IS GIVEN IN GOOD FAITH, BUT NO WARRANTY, EXPRESSED OR IMPLIED, IS MADE.

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