

The information provided in this document was generated by the product's manufacturer, whose contact information has been replaced with De-Comp Composites, Inc.'s, in order to preserve "Business Sensitive" information.

HMIS RATING: Health- 0 Flammability- 0 Reactivity- 0

MATERIAL SAFETY DATA SHEET

SECTION I- Identification of Product

PRODUCT NAME(S): D5000 KORTON® FEP Film,

OTHER/GENERIC NAMES: Fluorinated Ethylene Propylene Copolymer, FEP

FORM: Transparent or Translucent plastic film, tubing, rod.

PRODUCT USE: High temperature film laminates, release liners, chemical resistance applications, high purity fluid handling, non-stick surface coverings.

DISTRIBUTOR NAME/ADDRESS: De-Comp Composites, Inc. Rt 4 Box 4460 Cleveland OK 74020

EMERGENCY TELEPHONE NO.: 973-696-4700

TECHNICAL ASSISTANCE TELEPHONE NO.: 877-609-5088

SECTION II- Composition/Information on Ingredients

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>Weight %</u>
FEP Copolymer (Fluorinated Ethylene Propylene Copolymer)	25067-11-2	>99%

This product as supplied is not considered hazardous as defined in the US Code of Federal Regulations, 29CFR 1910.1200. This product is considered an "article" as supplied for its intended and foreseen use.

All components appear on TSCA Inventory. This product contains no substances at or above the reporting threshold under Section 313 of Title III of the US EPA Superfund Amendments and Reauthorization Act of 1986 and US Code of Federal Regulations, 40CFR part 372, based on available data.

SECTION III- Hazards Identification

EMERGENCY OVERVIEW: No special dangers are known. Use within specified processing parameters, high temperatures could evolve irritating and/or toxic fumes.

Potential Health Hazards:

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SKIN: Not anticipated under recommended usage conditions
EYES: Not anticipated under recommended usage conditions.
INHALATION: Not anticipated under recommended usage conditions.
INGESTION: Not anticipated under recommended usage conditions.
DELAYED EFFECTS: None

Ingredients found on one of the OSHA designated carcinogen lists are listed below:

None listed

Section IV- First Aid Measures

SKIN: Not anticipated under recommended usage conditions. For hot product, immediately immerse in or flush affected area with large amounts of cold water. Cover with clean cotton sheeting or gauze and seek medical advice.

EYES: Not anticipated under recommended usage conditions. If necessary, flush eyes with plenty of water. If symptoms persist or injury is suspected, seek medical advice.

INHALATION: Not anticipated under recommended usage conditions. May cause influenza like symptoms if thermal decomposition products are inhaled ("polymer fume-fever"), chills, fever, head-ache. Avoid contamination of tobacco products. Remove victim to fresh air. If not breathing, perform mouth to mouth resuscitation. Seek medical attention.

INGESTION: Not anticipated under recommended usage conditions.

ADVICE TO PHYSICIAN: Expect influenza-like symptoms if thermal decomposition products are inhaled: chills, fever, head-ache, shortness of breath, coughing. This is known as "polymer fume-fever" and will pass after 24 to 48 hours providing no further exposure occurs.

SECTION V- Fire Fighting Measures

Flammable Properties

FLASH POINT: Does not flash
FLASH POINT METHOD: N/A
AUTO IGNITION TEMPERATURE: Not known
UPPER FLAME LIMIT (volume % in Air): N/A
LOWER FLAME LIMIT (volume % in Air): N/A
OXYGEN INDEX: >95%

EXTINGUISHING MEDIA: Water, foam, carbon dioxide, dry chemical.

UNUSUAL FIRE AND EXPLOSIVE HAZARDS: Does not burn without external source of fuel. Fluoropolymers can increase the relative toxic properties of the gases evolved during a fire.

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SPECIAL FIRE FIGHTING PRECAUTIONS/INSTRUCTIONS: Use self contained breathing apparatus.

SECTION VI- Accidental Release Measures

IN CASE OF SPILLS OR OTHER RELEASE: Sweep or pick up and dispose of in a solid waste container.

SECTION VII- Handling and Storage

NORMAL HANDLING: Product is physiologically inert and non toxic at normal temperatures. Above 230 °C, some decomposition of FEP products can be expected with evolution of gaseous and particulate products which are toxic if inhaled. This can give rise to a characteristic syndrome with influenza type symptoms known as "polymer fume fever". These symptoms subside within 24-48 hours away from further exposure with no long term effects. Keep away from ignition sources- do not smoke while using Fluoropolymers.

STORAGE RECOMMENDATIONS: No special requirements.

SECTION VIII- Exposure Controls/Personal Protection

VENTILATION: Ensure good ventilation or exhaust if there is the possibility of fumes being evolved. Not required if material is used within specified processing parameters.

FIRE AND EXPLOSION: Not applicable

PERSONAL PROTECTIVE EQUIPMENT: None required if material is used within specified processing parameters. Normal safety equipment should always be used in an industrial environment.

ADDITIONAL RECOMMENDATIONS: Heat resistant clothing and skin covering when working with hot product. Do not smoke while handling material. Keep tobacco products away from sources of contamination: hands and clothes.

EXPOSURE GUIDELINES/LIMITS: Not applicable

OTHER EXPOSURE LIMITS FOR POTENTIAL DECOMPOSITION PRODUCTS: Not available.

SECTION IX- Physical and Chemical Properties

APPEARANCE: Transparent or translucent film, tubing, or rod

PHYSICAL STATE: Solid

ODOR: Odorless

MSDS FEP001

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SPECIFIC GRAVITY (H₂O = 1): 2.12-2.17
SOLUBILITY IN WATER (weight %): Insoluble
pH: Not applicable
BOILING POINT: Not applicable
MELTING POINT: 260°C
VAPOR PRESSURE: Not applicable
VAPOR DENSITY: Not applicable
EVAPORATION RATE: Not applicable
% VOLATILES: Not applicable
IGNITION TEMPERATURE: >500°C.
FLASH POINT: Does not flash
THERMAL DECOMPOSITION: See Section X.

SECTION X- Stability and Reactivity

CHEMICAL STABILITY: Stable. Thermal degradation can begin at 230°C.

INCOMPATIBILITIES/REACTS: Reacts with molten alkali metals and interhalogen compounds. Will burn in atmosphere of 95% oxygen when an ignition source is present.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition will evolve hydrofluoric acid, carbonyl fluoride, and other perfluoroolefins.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION XI- Toxicological Information

GENERAL: No potential health hazards when used within processing guidelines. Fluoropolymers are physiologically inert and are considered non-toxic.

IMMEDIATE (ACUTE) EFFECTS: See section VII.

DELAYED (SUBCHRONIC AND CHRONIC) EFFECTS: None known

TOXICITY OF PRODUCT: Non toxic when used within recommended guidelines.

OTHER DATA: None.

SECTION XII- Ecological Information

No known harmful effects on the environment.

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SECTION XIII- Disposal Considerations

Clean material may be recycled.
Dispose of Fluoropolymer material as solid waste according to local regulations.
Dispose of packaging as solid waste according to local regulations.
Can be incinerated only if the HF effluent can be extracted from the fluegases.
This information relates only to uncontaminated product. If used in a process which contaminates product, then disposal considerations should be re-evaluated.

SECTION XIV- Transport Information

DOT designation: Not hazardous
UN No.: Not determined
ICAO/IATA: Not hazardous

There is no known transportation requirements associated with this material in the form supplied based on currently available data.

SECTION XV- Regulatory Information

There is no known regulatory requirements associated with this material in the form supplied based on currently available data.

SECTION XVI- Other Information

This material safety data sheet was prepared in compliance with US OSHA Hazard Communication Standard 29CFR 1910.1200 and the European Council Directive 91/155/EEC, 67/548 and 88/379/EEC as well as their relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labeling of dangerous substances and preparations.

The information and recommendations set forth above are taken from sources believed to be accurate as of the date hereof; however, De-Comp Composites-Gobain Performance Plastics Corporation makes no warranty with respect to the accuracy of the information or the suitability of the recommendations, and assumes no liability to any user thereof. The information contained in this sheet does not constitute a hazard assessment and should not be used in place of the user's own assessment of workplace risks as required by other health and safety legislation.

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