FLUOROTECHNOLOGY MAKES IMPORTANT PRODUCTS FOR VITAL INDUSTRIES POSSIBLE

FluoroCouncil member companies voluntarily committed to a global phase-out of long-chain fluorochemistries by the end of 2015, resulting in the transition to alternatives, such as short-chain fluorochemistries that offer the same high-performance benefits, but with improved environmental and health profiles.

ELECTRONICS

Improves insulation, weather-ability, transparency and water-resistance. Provides smooth and smudge-resistant **touch screens**.

FIRST RESPONDERS

Offers life-saving protection in **safety gear** and **firefighting foams** used to fight flammable liquid fires.

OIL AND GAS

Provides reliable equipment to help improve the safety and affordability of oil-field and pipeline operations. Improves the reliability and safety of **fuel system seals** and **hoses**, **O-rings** and **downhole** and **field equipment gaskets**.

MILITARY

Enables **apparel** and **equipment** to provide high-barrier skin protection in extreme environments and against chemical warfare agents.

CHEMICAL/ PHARMACEUTICAL MANUFACTURING

Provides sterile, corrosion-resistant **coatings**, **linings** and **equipment**.

AUTOMOTIVE

Provides **every automotive system** with durability, heat and chemical resistance and vapor barriers. Increases reliability of **engine compartment wirings** and gauges and improves auto safety by reducing engine compartment fires. Protects **carpets** and **seats** against stains, soil, oil and water.

AEROSPACE/ DEFENSE

Enables **chemical-resistant tubes**, **hoses** and **fluid seals**; high and low temperature brake and hydraulic fluids used in **aircraft control systems** and **brakes**; and ultra-high frequency **wire and cable insulation** necessary for navigation, fly-by-wire control and aircraft communications.

HEALTHCARE

Serves as high dielectric insulators in medical equipment that relies on high frequency signals, like **defibrillators**, **pacemakers** and **CRT**, **PET** and **MRI imaging devices**. Used to treat **medical garments**, **drapes** and **divider curtains** to protect against the transmission of diseases and infections.

SEMICONDUCTORS

Creates the ultra-pure manufacturing environments necessary for **micro-electronics**. Used for **plasma machinery**, **etching materials**, **cleaning fluids** and **wetting surfactants** for **chemical etchants**.

ALTERNATIVE ENERGY

Enables **lithium batteries**, **fuel cells** and **solar panels**, which contribute to reduced emissions and energy costs.

OUTDOOR APPAREL/ EQUIPMENT

Creates breathable membranes and long-lasting finishes that provide water repellency, oil repellency, stain resistance and soil release with abrasion-resistant finishes for **apparel** and **equipment**.

BUILDING/ CONSTRUCTION

Enhances durability, UV resistance and anti-corrosive properties to lengthen the lifetime of **infrastructure**, **facades** and **surfaces**.

FLUORINE — **CARBON**

FluoroTechnology is the use of fluorine chemistry to create any fluorinated product. When fluorine and carbon atoms join together, they create a powerful chemical bond. The use and manipulation of this bond gives FluoroTechnology its distinct properties of strength, durability, heat-resistance and stability. These properties are critical to the reliable and safe function of myriad products that industry and consumer rely on every day.

FluoroCouncil
Global Industry Council for FluoroTechnology

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