

# SubliFlex

**Recommended use:** May be used as received, processed or thermoformed to produce other articles, or as a component of other industrial products.

This product consists primarily of high molecular weight polymers which are not expected to be hazardous.

## **EMERGENCY OVERVIEW:**

**Skin Contact:** Not likely to cause irritation.

**Eye Contact:** Resin particles, like other inert materials, are mechanically irritating to eyes.

**Inhalation:** Inhalation unlikely due to physical form.

**Ingestion:** Ingestion not likely due to physical form.

### **Chronic Information**

- Plastic film or sheet
- Can burn in a fire creating dense toxic smoke.
- Molten plastic can cause severe thermal burns.
- Fumes produced during melt processing may cause eye, skin, and respiratory tract irritation. Severe over-exposure may result in nausea, headache, chills, and fever.
- Secondary operations, such as grinding, sanding, or sawing can produce dust which may present an explosion or respiratory hazard.

Product Name: **FR1-1001**

**Resin Issues:** Processing fumes may cause irritation to the eyes, skin, and respiratory tract. In cases of severe exposure, nausea and headache can also occur. Grease-like processing fume condensates on ventilation ductwork, molds, and other surfaces can cause irritation and injury to skin.

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**HMIS Rating Health: 0 Flammability: 1 Reactivity: 0**

**Aggravated Medical Conditions:** MEDICAL RESTRICTIONS: There are no known health effects aggravated by exposure to this product. However, certain sensitive individuals and individuals with respiratory impairments may be affected by exposure to components in the processing vapors

### **Explosive Limits**

**upper:** Not applicable

**lower:** Not applicable

**Suitable Extinguishing Media:** Water spray mist or foam.

**Extinguishing media which must not be used for safety reasons:**

Carbon dioxide and dry chemical are not recommended because their lack of cooling capacity may permit re-ignition.

**Hazards from Combustion Products:** Fire will produce dense black smoke containing hazardous combustion products, carbon oxides, hydrocarbon fragments.

**Special Protective Equipment for Firefighters:** Do not enter fire area without proper protection including self-contained

breathing apparatus and full protective equipment. Fight fire from a safe distance and a protected location due to the potential of hazardous vapors and decomposition products

**Specific Hazards:** Take precautionary measures against static discharges. Thermal decomposition can lead to release of irritating gases and vapors. Dust formed by operations such as cutting or grinding may form an explosive mixture in air.

**Handling:** Handle in accordance with good industrial hygiene and safety practice. Provide for appropriate exhaust ventilation and dust collection at machinery. Avoid dust formation. Accumulation of waste films, sheets and/or masking may create a slipping hazard.

**Storage:** Keep away from heat and sources of ignition.

**Engineering Measures to Reduce Exposure:** Handle in accordance with good industrial hygiene and safety practice. Processing fume condensate may be a fire hazard and toxic; remove periodically from exhaust hoods, ductwork, and other surfaces using appropriate personal protection.

**Hand Protection:** Protective gloves

**Eye Protection:** Safety glasses

**Respiratory Protection:** When using this product at elevated temperatures, implement engineering systems, administrative controls or a respiratory protection program (including a respirator approved for protection from organic vapors, acid gases and particulate matter) if processing fumes are not adequately controlled or operators experience symptoms of overexposure. If dust or powder are produced from secondary operations such as sawing or grinding, use a respirator approved for protection from dust.

**Skin and Body Protection:** Long sleeved clothing

**Hygiene Measures:** When using, do not eat, drink or smoke.

**Acute Toxicity:**

**LD50/oral/rat:** >5000 mg/kg, estimated

**LD50/dermal/rabbit:** >2000 mg/kg, estimated

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**Eye Contact:** Resin particles, like other inert materials, are mechanically irritating to eyes.

**Skin Contact:** Not likely to cause irritation.

**Ingestion:** Ingestion not likely due to physical form.

**Chronic Toxicity:** No information available

**IARC:** Not Listed

**OSHA:** Not regulated

**NTP:** Not tested

**Remarks:** The toxicological data has been taken from products of similar composition

**Special Studies:** Processing fumes from similar products are not considered toxic.

In acute inhalation tests, laboratory rats were exposed to processing fumes at concentrations exaggerating those that would likely occur in workplace situations. No deaths or signs of toxicity, except transient irritancy in some cases, were noted during the 6 hour fume exposure tests. There were no distinct or consistent treatment related tissue or organ changes noted in gross necropsies.

**International Inventories:**

These film and sheet products are considered articles and thus exempt from inventory listing.

**CERCLA/SARA 311/312/313:**

This product is a non-hazardous article and therefore not subject to the requirements of Title III of SARA (Emergency Planning and Community Right-To-Know Act).

**Canada:**

**This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the**

**MSDS contains all the information required by the CPR.**

**WHMIS hazard class:**

Non-controlled

**California Proposition 65:**

This product does not contain components known to the State of California to cause cancer and/or reproductive effects.

**RoHS EU Directive 2002/95/EC:**

This product complies with RoHS - it does not intentionally contain banned chemicals.