Acoustical Surfaces, Inc.
We identify and S.T.O.P. Your Noise Problems
Sound Transmission Obscuring Products
Soundproofing, Acoustics, Noise & Vibration Control Specialists ™

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KoSa

MATERIAL SAFETY DATA SHEET

COPOLYOLEFIN BICOMPONENT FIBER

NUMBER L36077
Issue Date: May 6, 1991
Revised Date: September 12, 2000

Product Identification

Copolyolefin Bicomponent Fiber is a staple fiber composed of <81% polyethylene terephthalate core (CAS# 25038-59-9, 26006-30-4, 24938-04-3) and, 51% proprietary copolyolefin sheath. The fiber is coated with one or more surface finishes, at total levels less than 0.5% weight of fiber.

Hazardous Ingredients

None.

Physical–Chemical Date

The fiber is chemically stable and resistant to attack by oils, solvents, weak acids and weak alkalis. The fiber core melts at about 256□C and the sheaths at various temperatures from 110□C to150□C.

Physical Hazards

Polyesters can burn if exposed to flame. Decomposition products generated from molten polymer may be subject to autoignition. Combustion products will be comprised of compounds of carbon, hydrogen, and oxygen. The exact composition will depend on the conditions of combustion.

Under extreme conditions, copolyolefin sheath bicomponent fibers and fibrous materials can cause heat build up possibly resulting in ignition. Autoignition can result if the following conditions occur in combination: Temperature above 190□C (340□F), an insulated situation which prevents heat escape, and extended time. Temperature above 300□C (572□F) will release combustible gases.

Health Hazards Data

However, exposure to chemical substances may occur as a result of processing these fibers. Processing may release and aerosolize the residual moisture and surface finishes. Heating the fibers may volatilize the finishes or produce a chemical change. The surface finishes have been tested in laboratory animals prior to commercialization and are neither skin nor eye irritants. the inhalation hazard is also of low order.

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Control Measures

Ventilation in recommended to minimize exposure to finish mists. maintaining finish mist below 3 mg/m^3 for mineral oil is recommended.

Fire Fighters should protect themselves from decomposition and combustion products that may include carbon monoxide and other toxic gases.

Safe Handling Procedures

Customary personal hygiene measures, such as washing hands after working with copolyolefin Bicomponent Fiber, are recommended.

Disposal and Shipping Information

This product is not classified as hazardous waste under the Resource Conservation and Recovery Act and, unless prohibited by state or local regulation, can be disposed of in a municipal landfill or incinerated. Any finish oils contained in plant wastewater should be biodegradable in conventional biological wastewater treatment system.

Ensure materials or products containing copolyolefin sheath bicomponent fibers are cooled below 190□C (374□F) before storing or discarded.

Information Contact:

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