

PolyUrethane Foam

Material Safety Data Sheet

HAZARDOUS INGREDIENTS None

FORM Cellular Solid

WATER SOLUBILITY Not soluble

SPECIFIC GRAVITY .10 to .60

VAPOR PRESSURE Not applicable

FLASH POINT: >600°F . This material is flame resistant and self-extinguishing; however, it will burn in the presence of sufficient heat and oxygen.

EXTINGUISHING MEDIA: Dry chemical, carbon dioxide, foam, or water spray

SPECIAL PROCEDURES: During a fire: carbon monoxide, nitrogen oxides and other polymer fragments that may be highly toxic and/or irritating may be present. Self-contained breathing apparatus and full protective gear should be used.

Polyurethane foam dust, like most dusts, can present an explosion risk. However, a dust collection system necessary for a suitable work environment is more than adequate to eliminate this risk.

INCOMPATIBLE MATERIALS: This product is stable, there are no known incompatibilities.

INGESTION: Urethane foams are considered non-toxic on ingestion

EYE CONTACT: Dust from cutting, machining may irritate the eyes

SKIN CONTACT: See the following section.

INHALATION: Polyurethane foams are chemically inert. Foam dust is generated in many operations and a dust collection system is normally used for a suitable work environment. Studies published by Upjohn in the Technical Bulletin No. 107 show no sensitization on skin contact with rigid polyurethane foam dust, and the many years of experience in cutting, planing shaping, routing, and sanding rigid polyurethane foams, the studies by Upjohn show no inhalation problems which are peculiar to polyurethane foam dust. Normal protective equipment, such as gloves, eye goggles and masks that mechanically filter the dust may be necessary in operations where large amounts of dust are generated.

NOTE: Tests with Sprague-Dawley rats at 8.65mg/cubic meter of polyurethane dust show no carcinogenic effects.

Medical conditions that may be aggravated by exposure include asthma, bronchitis, emphysema, skin allergies, and eczema.

The possibility exists that individuals who are very sensitive to Isocyanates may also be sensitive to the reacted foam. Should this be the case, those individuals need to be assigned to an area which does not have polyurethane foam.

SKIN: Wash with soap and water. Seek medical attention if redness persists.

EYES: Immediately flush with plenty of water to remove dust particles. If irritation is severe and/or is not promptly relieved by washing seek medical attention.

INGESTION: Not applicable.

INHALATION Move to fresh air.

Polyurethane Foam is an inert foam which may be disposed of in an ordinary landfill.

RESPIRATORY: The inhaling of foam dust as with any dust should be avoided. A mechanical dust collection system should be used for cutting or machining operations that generate large quantities of dust. Standard dust or particle masks should be used in a dusty solution.

SKIN: Gloves are not normally necessary.

EYE PROTECTION: Safety glasses or goggles appropriate to cutting or machining operations being performed should be worn.

HANDLING: Not applicable.

STORAGE: Store in a manner to prevent possible combustion similar to that used for combustible solids, like wood.

Polyurethane Foam: is not regulated or classified in a manner that requires special handling or precautions in shipment.

With respect to Canadian regulations for Controlled and Not Controlled Products, **Polyurethane Foam** is not a Controlled Product. With respect to the Canadian New Substances Notification Regulation this foam meets the requirements for definition as an article; therefore, **Polyurethane Foam** is exempt by the provision for an Article Exemption.