



## MATERIAL SAFETY DATA SHEET

Pactiv Product Name(s): **POLYETHYLENE FOAM PRODUCTS**, including  
 Astro-Barrier™, Astro-Foam®, Furniture Guard®,  
 PolyPlank® LAM, PolyPlank® MDL, PolyPlank® PLK, PolyPlank® SFT,  
 Proflex® Profiles, Corner Keeper™, Edge Foam®  
 MSDS pertains to products formulated with Colorants, Anti-Static and/or Fire  
 Retardant additives, Adhesive layer components, Polyethylene film components.

### Section I - Identification

Manufacturer: Pactiv Corporation  
 Manufacturer's Address: 1900 W. Field Ct.,  
 Lake Forest, IL 60045  
 Contacts: For product and MSDS information, telephone your Pactiv Corporation sales  
 representative or customer service representative (Telephone: 1-888-828-2850)  
 Date Prepared/Revised: September 27, 2002 (title)

### Section II - Ingredients

Some specific chemical identities being withheld as trade secrets, but will be revealed to health professionals per  
 29CFR1910.1200 (c)

List of ingredients Polyethylene  
 Hydrocarbon Blowing Agent  
 Additives such as nucleators, aging, anti-static, coloring and fire retardant  
 agents. The nucleators may contain forms of silica. The fire retardant  
 additive contains antimony trioxide. A colorant used in some products  
 contains carbon black.

### Section III - Physical Data

Boiling Point Not established for product as a whole.  
 Vapor Pressure (mm Hg) Not established for product as a whole.  
 Vapor Density (Air=1) Not established for product as a whole.  
 Specific Gravity (H2O=1) Not established for product as a whole.  
 Melting Point Polyethylene typical 220° F. / 104° C.  
 Appearance & Odor Plastic foam. Color varies. Negligible odor.

### Section IV - Fire & Explosion Hazard

Flash Point Not established for product as a whole.  
 Flammable Limits Not established for product as a whole.  
 Extinguishing Media Dry Chemical, Carbon Dioxide, Water, Foam  
 Special Fire Fighting Procedures As with any fire involving plastic, toxic fumes may be released. Use self-  
 contained breathing apparatus.  
 Unusual Fire & Explosion Hazards Polyethylene is combustible. Pactiv polyethylene foam also contains some  
 residual flammable blowing agent which might accumulate to produce  
 concentrations in the explosive range. Processes such as grinding could  
 produce fine dust and flammable vapors. Both could be potential explosion  
 hazards.

### **Section V - Reactivity Data**

Stability	Stable
Conditions & Materials to Avoid	Strong oxidizing agents.
Hazardous Decomposition	Temperatures above 480F could cause product degradation potentially producing toxic vapors.
Hazardous Polymerization	Will not occur.

### **Section VI - Health Hazard Data**

Route(s) of Entry	Ingestion unlikely, material physiologically inert. Inhalation at ambient temperatures unlikely except for dust from grinding. At elevated temperatures, such as produced by hot cutting, fumes may cause irritation. Skin contact not normally a problem. Sensitive individuals may experience dermatitis from anti-static or flame retardant additive if present.
Permissible Exposure Levels	None established for primary ingredients. The ACGIH TWA for silica is 0.05 or 0.1 mg/M3 depending on form, for antimony trioxide 0.5 mg/M3, for carbon black 3.5 mg/M3.
Health Hazards	No chronic hazards expected in normal use. Avoid dust from grinding or other operations to eliminate potential hazards of silica, carbon black and antimony trioxide. See routes of entry for possible acute hazards.
Carcinogenicity	Some forms of silica, carbon black, and antimony trioxide possibly carcinogenic by IARC.
Symptoms of Over-exposure	For inhalation of fumes from heated plastic, irritation of respiratory tract, chest discomfort, dizziness. For skin contact with sensitive individuals, irritation or reddening of skin.
Medical Conditions Generally Aggravated by Overexposure	None expected
Emergency & First Aid Procedures	If respiratory irritation occurs, remove affected personnel to fresh air. Obtain medical attention if irritation persists or is severe. Wash contaminated skin with mild soap and water. Individuals experiencing skin sensitivity should obtain medical advice.

### **Section VII - Exposure Control/Personal Protection**

Respiratory Protection	Not normally required. If product is being further processed producing dust or fumes local ventilation should be provided. Respiratory protection is normally only to be used as a temporary measure until proper ventilation can be installed.
Gloves	Not normally required. Could be used by individuals experiencing skin sensitivity.
Eye Protection	Not normally required, but may be recommended if product is further processed.
Other Protective Equipment	None normally required.
Ventilation	Local ventilation should be provided if product is further processed producing dust or fumes. General ventilation may also be used, but local ventilation is usually preferable. See also recommendation for ventilation in Section IX to control potential release of flammable blowing agent.

### **Section VIII - Spill and Leak Procedures**

Spill or release Measures	No special measures should be necessary beyond general housekeeping.
Disposal Method	Dispose of in accordance with Federal, State and Local regulations.

### **Section IX - Precautions for Safe Handling and Use**

Precautions for Handling and Storing	<p>Always store polyethylene foam products in well ventilated areas. Always keep foam products away from excessive heat and any sources of ignition such as sparks or flame. Never store foam in confined areas or sealed-off compartments. Foam scrap or fabricated parts for disposal should be stored and shipped in ventilated containers.</p> <p>Whenever possible ship polyethylene foam products in ventilated trailers. When opening doors and unloading foam shipments, extinguish all possible sources of ignition such as matches, cigarettes, sparks, and lighters. Allow air circulation into the trailer for ten minutes after opening trailer doors before unloading foam.</p> <p>Further processing of polyethylene foam products with any fabrication processes such as slitting, grinding, skiving, sawing, routing or die cutting that cuts cells can release residual flammable blowing agent. A flammable concentration could accumulate if air is not properly circulated. All sources of ignition should be prevented in areas where foam is fabricated. Humidifiers or ionized air blowers can be used to reduce the possibility of static spark.</p> <p>Grinding equipment and any bins or hoppers should be purged with a positive air flow to dissipate any build up of blowing agent gases. Monitoring systems should be in place to insure that a concentration of blowing agent does not accumulate during shutdowns or malfunctions. For hot wire cutting or thermal welding air flow should be provided to disperse potential blowing agent build up.</p>
Other Precautions	<p>Control any vapor or dust emissions from further processing of product as described in section VII.</p> <p><i>For additional information obtain the Safety Manual on Pactiv Polyethylene Foam and Plank.</i></p>

### **Section X - Regulatory Information**

SARA Title III	The Flame Retardant Product has an additive that appears on the SARA 313 list.
----------------	--

Information provided by sources external to our company and set forth herein is offered in good faith as accurate, but without guarantee. Safety precautions contained herein cannot anticipate all individual and unique situations. Conditions of use and suitability of the product for particular uses are beyond our control. All risks of use of the product are, therefore, assumed by the user and we expressly disclaim all warranties of every kind and nature, including warranties of merchantability and fitness for a particular purpose in respect to the use or suitability of the product. Nothing herein is intended as recommendation for uses which infringe valid patents or as extension of license under valid patents. Appropriate warnings and safe handling procedures should be provided to users.

PREPARED BY: PACTIV CORPORATION  
 Product Stewardship Office  
 Technology Center  
 2651 Brickyard Road  
 Canandaigua, N.Y. 14424-7990

DATE PREPARED: August 10, 2001  
 DATE REVISED: July 28, 2003  
 (products)  
 DATE PRINTED: September 9,

2003