

MATERIAL SAFETY DATA SHEET

I. PRODUCT IDENTIFICATION

Name: AEROFLEX AEROSEAL CONTACT ADHESIVE
Description: Solvent-dispersed synthetic rubber resin adhesive

II. DEPARTMENT OF TRANSPORTATION INFORMATION

Shipping Name: Adhesive containing a flammable liquid (Hexane & Acetone)
Hazard Class: 3 (Flammable Liquid) ID #: UN 1133 PG: II (AEROCEL Contact Adhesive)

Reportable Quantity (RQ): 6250 lb.

EMERGENCY ONLY CONTACT: CHEM-TEL 1-800-255-3924

III HMIS (0=minimal hazard; 4=severe hazard)

Health = 2 Flammability = 3 Reactivity = 0

IV. PRODUCT CONTENT

This product contains chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR Part 372. All components are on TSCA inventory. This Product does NOT contain asbestos or polychlorinated biphenyls.

V. HAZARDOUS INGREDIENTS

INGREDIENT:	C.A.S. NO.	PERCENT	
Acetone	67-64-1	disocyanate	Phosphate
Toluene	108-88-3	Formal Name: Methylene Diphenyl	Chemical Name: Tri phosphate
Hexane	110-54-3	Diisocyanate	Formal Name: Tri phosphate
Synthetic Rubber	N/A	Chemical Formula: OCN-R-NCO	Chemical Family: Alkyl Phosphate
Phenolic Resin	25085-50-1	CAS No.: 9016-87-9	Chemical Formula: O-P-(OC ₃ H ₃ Cl) ₃
Rubber Curing Ingredients	1309-48-4		CAS No. 13674-84-5

V. FIRE AND EXPLOSION HAZARDS

Rigid polyurethane is similar to other organic materials such as wood, wool or rubber, and can present unreasonable fire risks in certain misapplications when exposed to ignition sources in air. Once ignited, such fire can produce heat, smoke and irritating or toxic gases. Carbon dioxide, carbon monoxide, possible traces of hydrogen cyanide, halogen acids, and nitrogen oxides can be evolved under fire condition. Install conditions: Install Aerofix only after all welding, cutting or other hot work has been completed. If hot work must be done after Aerofix has been installed, the hot work trade personnel must be warned. Remove combustible material from the vicinity immediately below the work area. Post a fire guard equipped with a fire extinguisher during and for 30 minutes after hot operations. Stop work immediately if foam begins to smoke and remove material from the work area. Work should be carried out in a well ventilated area. Do not breathe fumes.

VI. DISPOSAL CONSIDERATION

Waste material may be disposed of in an approved landfill or may be incinerated under conditions which meet Federal, State and local environmental regulations.

VII. HAZARDOUS IDENTIFICATION

Inhalation: Dust exposure from Aerofix is very low; however, dust may cause irritation to upper respiratory tract. Eye contact: No significant signs of any adverse health hazards are expected to occur as a result of eye contact. Skin Contact: Essentially no-irritation to skin. Minor mechanical injury may occur. Ingestion: Practically non-toxic.

VIII. FIRST AID MEASURES

Inhalation: Remove to fresh air if effects occur. If irritation persists, consult a physician.
Ingestion: No adverse effects anticipated by this route except for the hazard of choking. Eye: Flush eyes with plenty of water for at least 5 minutes. Skin: Wash off in flowing water or shower.

IX. DISPOSAL CONSIDERATION

Waste material may be disposed of in an approved landfill or may be incinerated under conditions which meet Federal, State and local environmental regulations.

Aerocel / Aeroseal Contact Adhesive

Prepared 12/04

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Suite 400
Knoxville, TN 37923
Tel 865-690-5740
Fax 865-690-5695

Manufactured in Sweetwater, TN
USA

X. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Expanded rubber foam. Specific gravity (H₂O=1): 0.04-0.09; Service Temperature: -57 50 +105 C (-70 to +220 F); Thermal Conductivity (W/mK): 0.040 at mean temp 40 C; Water vapor permeability: 0.10 perm-inch (0.15X10⁻¹²Kg/Pa s m); Water Absorption (% by weight): 5% by weight; Compression set: Excellent; Flammability: Self-extinguishing

XI. FIRE-FIGHTING MEASURES

Extinguishing Media: Use water spray, foam, carbon dioxide or dry chemical extinguishers. Use self contained breathing apparatus for smoke protection and usual body protection.

XII. HANDLING AND STORAGE

Storage: Potential risks associated with rigid polyurethane arise from dust, fire and toxic thermal decomposition products and may result from improper storage. Keep in cool dry and ventilated area. Handling: Keep work areas clean and remove settled dust.

XIII. PHYSICAL HAZARD

Flash Point: N/A, Auto Ignition Temperature: 650-800 F (343-427 C); Flammable Limits (STP): N/A, toxic fumes are released in fire situations, Stability: Stable under recommended storage conditions, Polymerization: Will not occur.

XIV. OTHER INFORMATION

The information supplied herein is related to material specified and may not be valid if used in combination with other materials or processes. Further, the information contained here is believed to be reliable and based on correct state of our knowledge; however, no guarantees of any kind can be given as to its accuracy.