

# 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 CONTACT: INFOTRAC (800) 535-5053 DOMESTIC OR  
1-352-323-3500 INTERNATIONAL

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	OSHA PEL	ACGIH TLV
Toluene	108-88-3	15%	100 ppm	50 ppm
Hexane	110-54-3	36%	STEL: 150 ppm	(skin)
			50 ppm	50 ppm (skin)
Acetone	67-64-1	28%	750 ppm	500 ppm
			STEL: 1000 ppm	750 ppm

These Chemicals are subject to the requirements of Section 313 of Sara Title III.

## VI. PHYSICAL DATA

APPEARANCE AND COLOR: Straw colored liquid with characteristic solvent odor.  
BOILING POINT: (degrees F): >150. VAPOR PRESSURE (mm Hg @ 20 degrees):  
C): 180. VAPOR DENSITY: (Air = 1): 3. SOLUBILITY IN WATER: Not soluble.  
SPECIFIC GRAVITY (H2O = 1): 0.81. PERCENT VOLATILE BY WEIGHT (30 min.  
@ 275 degrees F): 80. EVAPORATION RATE (Butyl Acetate = 1): 15 pH: N/A.  
VOC: 417 g/l calculated at 70 F/21 C. SCAQMD.

## VII. FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: -<0 degrees F based on Acetone (Tag closed cup). FLAMMABLE  
RANGE: LEL = 1.2; UEL = 6.9 (based on Hexane and Acetone).  
EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, alcohol-type foam.  
SEPCIAL FIRE FIGHTING PROCEDURES: Protect fire fighters from toxic products  
of combustion by wearing self-contained breathing apparatus. UNUSUAL FIRE  
AND EXPLOSION HAZARDS: Closed containers in a fire may rupture due to  
pressure build-up; use water to cool containers to prevent this.

## VIII. HEALTH HAZARD DATA

PRIMARY ROUTE(S) OF ENTRY: Inhalation and direct dermal exposure.  
TARGET ORGANS: Upper respiratory tract, skin and eyes. EFFECTS OF  
OVEREXPOSURE: Excessive skin contact may cause drying and cracking of skin,  
defatting of tissue, and result in dermatitis. Contact with eyes will cause irritation.  
INHALATION: May cause irritation of respiratory tract, coughing, and CNS effects  
such as headache, dizziness, drowsiness, nausea. CARCINOGENICITY: NTP: No.  
IARC Monographs: No OSHA Regulated: No. MEDICAL CONDITIONS  
GENERALLY AGGRAVATED BY EXPOSURE: Any condition generally aggravated  
by solvents, preexisting upper respiratory and lung disease such as, but not limited  
to bronchitis, emphysema, and asthma. FIRST AID PROCEDURES: Flush any  
skin or eye contact with plenty of water. Refer to physician if irritation or symptoms  
persists. INHALATION: Remove to fresh air if exposed to excess concentrations of  
vapor. Seek medical attention if symptoms persist. INGESTION: Do not induce  
vomiting. Call a Poison Control Center or physician for guidance.

## IX. REACTIVITY DATA

STABILITY: Stable. INCOMPATIBILITY: Strong oxidizing agents. HAZARDOUS  
DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide, and other toxic  
vapors and gases that are common to thermal degradation of organic compounds.  
HAZARDOUS POLYMERIZATION: Will not occur.

## X. SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED: Remove all  
sources of ignition. Ventilate area of spill or leak; if using mechanical ventilation,  
make sure that it is explosion-proof or does not present an ignition source. For

## Aerocel / Aeroseal Contact Adhesive

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Aeroflex USA, Inc.  
282 Industrial Park Rd.  
Sweetwater, TN 37874  
Tel 423-337-2493  
Fax 423-351-7368

Made in USA

exposures above TLV, wear approved respiratory equipment. Contain spill and  
prevent it from entering sewer lines or waterways. Use absorbent to assist with the  
pick-up of material. Scrape up adhesive and place in container. WASTE  
DISPOSAL METHOD: Dispose of container and any unused contents in  
accordance with Federal, State and Local Waste Disposal Regulations. Do not  
flush unused contents of residue down drains. Do not reuse container.

## XI. SPECIAL HANDLING AND USE INFORMATION

VENTILATION: extremely flammable vapors may ignite explosively or cause flash  
fire. Use natural cross-ventilation, local (mechanical) pick-up, and/or general area  
(mechanical) ventilation to prevent an accumulation of solvent vapors, keeping in  
mind that the ventilation pattern must remove the heavier-than-air solvent vapors  
from the lower levels of the work spaces. The ventilation should be sufficient to  
keep the solvent vapor concentration below the TLV. RESPIRATORY  
PROTECTION: With adequate ventilation, respiratory equipment should not be  
needed. IF adequate ventilation is not afforded, wear respiratory equipment  
approved for organic vapors. SKIN AND EYE PROTECTION: During the  
manufacture and packaging of this product, impervious gloves, eye protection and  
eye wash facilities may be appropriate. During normal end-product use, cotton or  
loop-pile gloves with spectacle type safety glasses are recommended to prevent  
contact with this mastic product.

## XII. SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in an area  
suitable for flammable mixtures. Recommended storage temperature is below 90  
degrees F. OTHER PRECAUTIONS: Vapors are flammable and are heavier than  
air. Prohibit smoking and eliminate all other sources of ignition, such as regular  
electrical tools and appliances, making sure that pilots on gas-fired water heaters  
are extinguished. Warning: This product contains toluene, a chemical known to the  
state of California to cause birth defects or other reproductive harm. WORK SITE  
ENVIRONMENT: Initially there may be a potential adverse impact on indoor air  
quality within the general work area during the installation process. Therefore you  
should advise the building manager or other appropriate person that it will be  
necessary to establish and maintain adequate ventilation of the work area, without  
causing the entry of contaminants to other part of the building and persons who are  
sensitive to odors and/or chemicals should be advised to avoid the work area  
during this process.

The information presented herein is supplied as a guide to those who handle or use  
this product. Safe work practices must be employed when working with any  
materials. It is important that the end user makes a determination regarding the  
adequacy of the safety procedures employed during the use of this product.