

# MSDS

Material Safety Data Sheet

# 616

## CONTACT CEMENT STANDARD GRADE

EXTREMELY FLAMMABLE

### I. PRODUCT IDENTIFICATION

Name: APAC 616 Solvent Cement  
Class: Contact Cement  
Emergency Telephone CHEMTREC: 800-424-9300

### II. HMIS (0 = minimal hazard; 4 = severe)

Health = 3 Flammability = 3 Reactivity = 0  
Pers. Prot. Equipment: H

### III. HAZARDOUS INGREDIENTS

Ingredient:	Percent:	Occ. Exp. Lmt.		
		PEL	TLV Units	
Toluene (#108-88-3)	16.0%	100	100	ppm 105mm@60°F
Acetone (#67-64-1)	11.2%	750	750	ppm
Methyl Ethyl Ketone (#78-93-3)	11.2%	200	200	ppm
Hexane (#110-54-3)	41.6%	50	50	ppm

### IV. PHYSICAL DATA

BOILING RANGE: 132°F - 232°F. VAPOR DENSITY: Heavier than air. EVAPORATION RATE: Slower than Ether. PERCENT VOLATILE BY VOLUME: 80. PERCENT WATER VOLUME: Trace. WEIGHT PER GALLON: 6.78 lbs. VOC: 646 g/l - 646 g/l. Non-photochemically reactive.

### V. FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION: - OSHA: 1H. DOT: Flammable. FLASH POINT: Below 20°F. LEL: 1%. EXTINGUISHING MEDIA: FOAM, CO<sub>2</sub>, DRY CHEMICAL, WATER FOG. UNUSUAL FIRE AND EXPLOSION HAZARDS & SPECIAL FIRE FIGHTING PROCEDURES: Never use welding torch on or near cans (even when empty) because residual solvent fumes can explode violently, with subsequent flash fires. Water may be used to keep fire-exposed containers cool until fire is out. Wear self contained breathing apparatus with full face-piece operated in positive pressure when fighting fires.

### VI. HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE: Headaches, dizziness, eye, nose, throat and lung distress from vapors. Inhalation of high concentrations may asphyxiate. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. **Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.** No long term laboratory tests to determine chronic effects. Skin irritation and dermatitis may develop from prolonged contact with skin. PRIMARY ROUTES OF ENTRY: Inhalation, ingestion and direct dermal exposure. MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: Current anemia, respiratory tract or liver ailments, and skin conditions. EMERGENCY FIRST AID PROCEDURES: Move person to fresh air and apply artificial respiration if needed. Call physician immediately. In case of eye contact, flush eyes with clear water for 15 minutes or until irritation subsides.

### VII. REACTIVITY DATA

STABILITY: Stable. HAZARDOUS POLYMERIZATION: will not occur. CONDITION TO AVOID: Strong oxidizing agents, sparks, open flame, and

excessive heat. HAZARDOUS DECOMPOSITION PRODUCTS: May form toxic materials: carbon dioxide and carbon monoxide, various hydrocarbons of unknown structure.

### VIII. SPILL OR LEAK PROCEDURES

SPILLS: Spill area should be treated as a hazardous location, open doors and windows, extinguish all sources of ignition, keep untrained persons, children and pets away from area, use explosion proof ventilation equipment. If unsure of proper procedure. evacuate area, open door and windows, and call fire department for assistance. Absorb liquid on paper, vermiculite, floor absorbent, or other absorbent material to clear. Residue from cleanup should be allowed to dry thoroughly in an open well ventilated containment area, before disposal. Dispose of remaining material in accordance with applicable regulations.

### IX. SAFE HANDLING & USE INFORMATION

VENTILATION: Extremely flammable. Vapors may ignite explosively or cause flash fire. Adequate fresh air cross ventilation is essential to prevent buildup of vapors to PEL, or an explosive concentration. A solvent odor may be noted until adhesive dries. FIRE PREVENTION: Vapors are heavy and will flow to any source of ignition. Keep away from flame, heat, and sparks during use and until vapors are gone. Extinguish all flames, including outdoor pilot lights. (The surest way to put out gas pilot lights is to turn off the main gas valve.) Turn off all electrical appliances. Disconnect electricity from gas appliances and water heaters - many are fitted with electric pilot lights or "spark ignition systems." Do not use electrical switches, fans, or tools, such as electric drills. Do not smoke. RESPIRATORY PROTECTION: Outdoor fresh air cross ventilation normally sufficient. If eye watering, headaches or dizziness are experienced, increase fresh air supply, wear NIOSH approved respiratory equipment, or leave the area. PROTECTIVE GLOVES: To prevent skin contact. EYE PROTECTION: Glasses to avoid splashes. OTHER PROTECTIVE EQUIPMENT: None required. HYGIENIC PRACTICES: Wash skin with soap and water or hand cleaner.

### X. SPECIAL PRECAUTIONS

HANDLING AND STORING: Keep away from heat, sparks, flames, and all sources of ignition. OTHER PRECAUTIONS: Keep out of reach of children. Use only as directed on label. Close container after each use. Do not reuse container. Avoid skin and eye contact.

### XI. TRANSPORTATION DATA

D.O.T.: Regulated X. SHIPPING NAME: Adhesive HAZARD CLASS: Flammable. LABEL REQUIRED: Red. I.M.C.O.-UN 1133; CLASS: 3.2; PAGE: 83

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