

# RETRO FIT TEST KIT

## Material Safety Data Sheet

### SECTION I - COMPANY IDENTIFICATION

**PRODUCT:** RETRO FIT TEST KIT

**CAT. NO.:** RTK

**MANUFACTURED BY:**  
Virginia KMP Corporation  
4100 Platinum Way  
Dallas, Texas 75237

**TELEPHONE NUMBERS:**  
Office: 1-(214) 330-7731  
Emergency Only: 1-(800) 424-9300

### SECTION II - HAZARDOUS INGREDIENTS

**OSHA Hazardous Components (29 CFR 1910.1200)**

**EXPOSURE LIMITS: 8 HR. TWA**

Methyl alcohol (CAS# 67-56-1)  
Acetone (CAS# 67-64-1)

OSHA PEL	ACGIH TLV
200 ppm	200 ppm
750 ppm	750 ppm

### SECTION III - HAZARDS IDENTIFICATIONS

**EMERGENCY OVERVIEW:** DANGER: POISON! Death or blindness can result from inhalation, ingestion, or prolonged skin contact.

**POTENTIAL HEALTH EFFECTS:**

**INHALATION:** Inhalation of vapors may be narcotic, cause optic nerve damage or may be lethal.

**EYE CONTACT:** Liquid or vapors may irritate eyes.

**SKIN CONTACT:** Liquid or vapors may irritate the skin. Liquid may be absorbed through skin with toxic effects.

**INGESTION:** Ingestion may cause death, blindness, eye damage.

**CHRONIC Effects:** Chronic exposure to methanol can cause damage to the eyes, liver, heart, kidneys, and gastrointestinal disturbances. May cause convulsions.

**NOTE:** Ingestion of less than 30 mL methanol has caused death.

**CARCINOGENICITY:** LISTED IN NTP? No

IARC? No

OSHA Regulated? No

### SECTION IV - FIRST AID MEASURES

**INHALATION:** Remove victim to fresh air and, if needed, immediately begin artificial respiration. Give oxygen if breathing is labored. Get emergency medical help. Contact a physician immediately.

**EYE CONTACT:** Flush eyes with water for 15 minutes. Get medical attention if symptoms develop and persist.

**SKIN CONTACT:** Flush with water or soap and water for 15 minutes or until all traces have been removed. Seek medical attention if symptoms develop and persist.

**INGESTION:** Induce vomiting if victim is conscious by giving water, then stick fingers down throat. Get medical attention. Never give unconscious person anything by mouth.

### SECTION V - FIRE FIGHTING MEASURES

**FLASHPOINT (TEST METHOD):** 0 F

**FLAMMABLE LIMITS:** LOWER: 2.6

UPPER: 36

**AUTOIGNITION TEMPERATURE:** NA

**GENERAL HAZARD:** Alcohol may burn with an invisible flame.

**FIRE FIGHTING INSTRUCTIONS:** Approach fire from upwind side. Avoid breathing smoke, fumes, mist, or vapors on the downwind side. Firefighters wear protective clothing and self contained breathing apparatus.

**EXTINGUISHING MEDIA:** Dry powder, carbon dioxide (CO<sub>2</sub>), "alcohol" foam, use water to cool containers.

**HAZARDOUS COMBUSTION PRODUCTS:** Acrid smoke and irritating fumes, CO, CO<sub>2</sub>.

### SECTION VI - ACCIDENTAL RELEASE MEASURES

**LAND SPILL:** Emergency response coordinator must have mandated training. **SMALL SPILLS:** Pick up with absorbent materials and place in non-leaking containers; seal tightly for proper disposal or reuse. **LARGE SPILLS:** Evacuate the hazard area of unprotected personnel. Wear appropriate respirator and protective clothing. Shut off source of leak if safe to do so. Dike and contain. Remove with vacuum trucks or pump to storage/salvage vessels.

**WATER SPILL:** Notify proper authorities.

Clean up leaks/spills immediately to prevent soil or water contamination.

### SECTION VII - HANDLING AND STORAGE

**HANDLING:** Avoid contact with skin, eyes, and clothing. After handling this product, wash hands before eating, drinking, or smoking. If contact occurs, remove contaminated clothing. If needed, take first aid action shown in section IV. Launder contaminated clothing before reuse.

**STORAGE:** Store away from foodstuffs. Store away from acids. Store away from oxidizers or materials bearing a yellow "D.O.T." label. Store in a cool, ventilated area, away from ignition sources.

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### SECTION VIII - EXPOSURE CONTROLS/PERSONAL PROTECTION

**ENGINEERING CONTROLS:** Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

**PERSONAL PROTECTION:** Chemical impervious gloves, chemical goggles, boots, aprons, drench showers, eye wash as needed for protection against spills and/or splashes.

### SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

**VAPOR PRESSURE:** 140 mmHg @ 20 C

**SPECIFIC GRAVITY (H<sub>2</sub>O=1):** 0.79

**SOLUBILITY IN WATER:** Complete

**pH:** ND

**BOILING POINT:** 135 F

**APPEARANCE & ODOR:** Green liquid with characteristic odor.

**VAPOR DENSITY (Air=1):** 1.1

**EVAPORATION RATE (N-BUTYL ACETATE=1):** 3.5

**VOC (G/L):**

**FREEZING POINT:** nav

### SECTION X - STABILITY AND REACTIVITY

**STABILITY:** Stable

**CONDITIONS TO AVOID:** High temperatures

**MATERIALS TO AVOID:** Oxidizers, strong acids

**HAZARDOUS DECOMPOSITION PRODUCTS:** From combustion: Smoke, CO, CO<sub>2</sub>

**HAZARDOUS POLYMERIZATION:** Will not occur

### SECTION XI - TOXICOLOGICAL INFORMATION

Methanol	LDLo:	428 mg/kg	(oral - human)	CNS, PUL
	LDLo:	143 mg/kg	(oral - human)	EYE, PUL, GIT
	TCLo:	300 ppm	(inh - human)	EYE, CNS, PUL
	LD50:	5628 mg/kg	(oral - rat)	
	LC50:	64000 ppm / 4H	(inh 0 rat)	
Acetone		250 ppm / 11 hr / goldfish / lethal / freshwater		
	LDLo:	8 g/kg	(oral - dog)	
	TCLo:	12,000 ppm/4h	(inh - human)	CNS, GIT
	TCLo:	500 ppm	(inh - human)	EYE
	LD50:	5800 mg/kg	(oral - rat)	
	LC50:	50,100 mg/m <sup>3</sup> /8H	(inh - rat)	

### SECTION XII - ECOLOGICAL INFORMATION

Dangerous to aquatic life in high concentrations.

### SECTION XIII - DISPOSAL CONSIDERATIONS

Dispose as hazardous waste. RCRA # D001. Classification and documentation is required before disposal. Follow all local, state and federal regulations.

### SECTION XIV - TRANSPORTATION INFORMATION

**PROPER SHIPPING NAME:** Flammable liquids, n.o.s., (methanol, acetone), 3, UN1993, PG II, Limited Quantity

**HAZARD CLASS:** 3

**IDENTIFICATION NUMBER:** UN1993

**DOT Emergency Guide #:** 128

**Reportable Quantity (RQ):** 750 gallons (methanol)

**International:** Flammable liquids, n.o.s., (methanol, acetone), 3, UN1993, PG II, Limited Quantity, IMDG 3230

### SECTION XV - REGULATORY INFORMATION

**TSCA (Toxic Substance Control Act):** Components of this product are listed on the TSCA Inventory.

**CERCLA (Comprehensive Environmental Response, Compensation and Liability Act):** Reportable Quantity is 750 gallons (methanol), 477 gallons (acetone). Contact local authorities for other reporting requirements.

**SARA TITLE III (Superfund Amendments and Reauthorization Act):** Methanol CAS# 67-56-1 (80-90%), Acetone CAS# 67-64-1 (10-20%)

**CALIFORNIA PROPOSITION 65:** Not listed.

### SECTION XVI - OTHER INFORMATION

State Right-to-Know Programs: MA, NJ, PA

NFPA Ratings

Health: 1

Flammability: 3

Reactivity: 0

HMIS Protective Equipment: X See your supervisor

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