

**MATERIAL SAFETY DATA SHEET**

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**PRODUCT NAME:** U.S. Valve Cleaner  
**PRODUCT CODE:** US-VC

**HMIS CODES:** H F R P  
2 2 O B

===== SECTION I - MANUFACTURER IDENTIFICATION =====

**MANUFACTURER'S NAME:** U.S. Valve Services & Training, Inc.  
**ADDRESS:** 11875 W. Little York, Suite 502 Houston, TX 77041  
**EMERGENCY PHONE:** 1-800-270-8250      **INFORMATION PHONE:** 1-800-270-8250  
**DATE REVISED:** September 25, 2002      **NAME OF PREPARER:** Ray Foster

===== SECTION II - HAZARDOUS INGREDIENTS/SARA III INFORMATION =====

HAZARDOUS COMPONENTS	CAS NUMBER	OCCUPATIONAL EXPOSURE LIMITS			VAPOR PRESSURE mm Hg @ TEMP	WEIGHT PERCENT
		OSHA PEL	ACGIH STEL	ACGIH TWA		
*Monochlorotoluene	95-49-8	50 PPM		259 mg/m3	2.6 43F	46
Dipropylene glycol monomethyl ether	34590-94-8	150 PPM	150 PPM	100PPM	0.6 77F	10
Fumed silica, amorphous	7631-86-9		10 mg/c.m		N/A	<5.0%

\*Indicates toxic chemical(s) subject to the reporting requirements of section 313 of Title III and of 40 CFR 372.

In case of emergency, contact CHEM-TEL INC. 1-800-255-3924.

===== SECTION III - PHYSICAL/CHEMICAL CHARACTERISTICS =====

**BOILING RANGE:** N/A      **SPECIFIC GRAVITY (H20=1):** 1.1  
**VAPOR DENSITY:** Heavier Than Air      **EVAPORATION RATE:** Faster Than Ether  
**SOLUBILITY IN WATER:** Negligible  
**APPEARANCE AND ODOR:** Black, viscous liquid. Strong solvent odor.

===== SECTION IV - FIRE AND EXPLOSION HAZARD DATA =====

**FLASH POINT:** 142      **METHOD USED:** COC  
**FLAMMABLE LIMITS IN AIR BY VOLUME- LOWER:** 1.1%      **UPPER:** 14.0%

**EXTINGUISHING MEDIA:** Water Fog  
**SPECIAL FIREFIGHTING PROCEDURES:** Wear self contained breathing apparatus with full face piece operated in the pos.pres. demand mode when fighting fires.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Vapors concentrated in a poorly ventilated area can be ignited upon contact with a high intensity source of heat.

===== SECTION V - REACTIVITY DATA =====

**STABILITY:** Stable.  
**CONDITIONS TO AVOID:** Extreme heat.

**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong oxidants and/or acids.

**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** Fumes, smoke, and carbon monoxide.

**HAZARDOUS POLYMERIZATION:** Will not occur.

===== SECTION VI - HEALTH HAZARD DATA =====

**INHALATION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** Vapor pressure is very low. Vapor inhalation under ambient conditions is normally not a problem. Over exposure may result in dizziness, headache, loss of coordination and breathing difficulty.

**SKIN AND EYE CONTACT HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** In case of eye contact, flush with water for 15 minutes. If irritation persists, contact a physician. Symptoms include tearing, redness, blurred vision and irritation.

**SKIN ABSORPTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** Wash contact areas with soap and water. If rash or irritation persists, contact a physician. Accidental high pressure injection through the skin requires immediate medical attention.

**INGESTION HEALTH RISKS AND SYMPTOMS OF EXPOSURE:** Can cause gastrointestinal irritation, vomiting, nausea and diarrhea. If ingested, induce vomiting and give large quantities of water. NEVER INDUCE VOMITING OR GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

**HEALTH HAZARDS (ACUTE AND CHRONIC):** Prolonged or repeated skin contact with this product tends to remove skin oils, possibly leading to irritation and dermatitis. Based on available toxicological data, this product is judged neither a "corrosive" nor an "irritant" by OSHA criteria. No chronic health effects.

**CARCINOGENICITY:** NTP? No IARC MONOGRAPHS? No  
**OSHA REGULATED?** No

In accordance with the current OSHA Hazard Communication Standard criteria, this product does not require a cancer hazard warning.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** n/a

**EMERGENCY AND FIRST AID PROCEDURES:**

**EYE CONTACT:** Flush with water for at least 15 minutes. If irritation persists, call a physician.

**SKIN CONTACT:** Remove any contaminated clothing and wash skin thoroughly with soap and water. If irritation occurs, contact a physician.

**INGESTION:** Induce vomiting and give 1 or 2 glasses of water, unless unconscious. Contact a physician if irritation persists.

**INHALATION:** If overcome from vapor, remove from exposure and call a physician. If necessary, provide respiratory support.

===== SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE =====

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Recover free product. Add sand, earth or some suitable absorbent. Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered sewers, watercourses or extensive land areas.

**WASTE DISPOSAL METHOD:** Dispose of waste according to federal, E.P.A., state and local regulations. Assure conformity with all applicable regulations.

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Store in cool, dry area in original or equivalent container in accordance with all applicable regulations. Do not apply high heat or flame to container. Store below 150 F. If prolonged or repeated skin contact is likely, oil-impervious gloves should be worn.

**OTHER PRECAUTIONS:** Good personal hygiene practices should always be followed.

===== SECTION VIII - CONTROL MEASURES =====

**RESPIRATORY PROTECTION:** No special requirements under ordinary conditions with adequate ventilation.

**VENTILATION:** No special requirements under ordinary conditions with adequate ventilation.

**PROTECTIVE GLOVES:** If prolonged or repeated skin contact is likely, oil-impervious gloves should be worn.

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** It is always advisable to wear splash proof eye protection when working with semi-solids.

**WORK/HYGIENIC PRACTICES:** Good personal hygiene practices should always be followed.

===== SECTION IX - DISCLAIMER =====

**DISCLAIMER:** Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of this product for particular uses are beyond our control. Users should make their own investigation to determine the suitability of the information or products for their respective purposes.