

**Material Safety Data Sheet**

May be used to comply with  
OSHA's Hazard Communication Standard,  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements

**U.S. Department of Labor**

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved  
OMB No. 1218-0072

Identity (As used on Label and List) <b>US-VALVE FLUSH</b>	Note: Blank spaces are not permitted. If and item is not applicable, or no information is available, the space must be marked to indicate that.
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**Section I**

Manufacturer's Name U.S. VALVE SERVICES & TRAINING INC.	Emergency Telephone Number 713-896-1300
Address (Number, Street City, State and ZIP Code) 11875 WEST LITTLE YORK RD. HOUSTON, TX (USA) 77041	Telephone Number for Information 1-800-270-8250
WEB ADDRESS (PENDING SITE)- www.usvalveservices.com	Date 01/07/05
E-MAIL- jpirkl@usvalveservices.com	Signature of Preparer (optional) JOE PIRKL

**Section II – Hazardous Ingredients/Identity Information**

Hazardous Component (Specific Chem. Identity: Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (Optional)
CASTOR OIL	N/A	N/A	N/A	100
CAS # 8001-79-4.....NON-TOXIC / NON-HAZARDOUS.....NON-PETROLEUM HYDROCARBON				
NFPA : HEALTH ( 1 ), FLAMMABILITY ( 0 ), REACTIVITY ( 0 ), SPECIAL ( N/A )				

**Section III – Physical / Chemical Characteristics**

Boiling Point	N/A	Specific Gravity (H2O=1)	1.02
Vapor Pressure (mm Hg.)	UNKNOWN	Melting Point	NON-DROPPING
Vapor Density (AIR=1)	N/A	Evaporation Rate (BUTYL ACETATE=1)	N/A
Solubility in Water INSOLUBLE			
Appearance and Odor AMBER / ODORLESS			

**Section IV – Fire and Explosive Hazard Data**

Flash Point (Method Used) +500 DEG. FARENHITE	Flammable Limits N/A	LEL N/A	UEL N/A
Extinguishing Media STANDARD DRY CHEMICAL, FOAM, CO-2, WATER-FOG			
Special Fire Fighting Procedures WEAR A NIOSH / MSHA APPROVED SELF CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. COOL CONTAINERS EXPOSED TO FIRE WITH WATER.			
Unusual Fire and Explosion Hazards -NONE-			

**Section V – Reactivity Data**

Stability	Unstable		Conditions to Avoid KEEP FROM CONTACT WITH OXIDIZING MATERIALS
	Stable	XXXXX	
Incompatibility (Material to Avoid) ACIDIC IN NATURE – AVOID ALKALINE CONTACT			
Hazardous Decomposition or Byproducts UNKNOWN			
Hazardous Polymerization	May Occur		Conditions to Avoid NONE SPECIAL
	Will Not Occur	XXXXX	

**Section VI – Health Hazard Data**

Routes(s) of Entry:	Inhalation?	Skin?	Ingestion?
NO MIST OR VAPOR / MINIMAL - LOW ACUTE DERMAL TOXICITY-LOW ACUTE ORAL TOXICITY			
Health Hazards (Acute and Chronic)			
NONE KNOWN AT THIS TIME			
Carcinogenicity:	NTP?	IARC Monographs?	OSHA Regulated?
THIS PRODUCT DOES NOT CONTAIN ANY INGREDIENT DESIGNATED BY IARC, NTP, AOGIH OR OSHA AS A POSSIBLE HUMAN CARCINOGEN.			
Signs and Symptoms of Exposer			
EXPOSURE LIMITS IN AIR: NO EXPOSURE LIMITS ESTABLISHED FOR THIS PRODUCT.			
Medical Conditions Generally Aggravated by Exposure			
NONE KNOWN			
Emergency and First Aid Procedures			
EYES: USE EYEWASH FOUNTAIN , GET MEDICAL ATTENTION IF IRRITATION DEVELOPES OR PERSISTS.			
SKIN: USE CLEAN CLOTH – WASH W/ SOAP & WATER. INHALATION- SEEK MEDICAL ATTENTION.			
INGESTION: INDUCE VOMITING-SEEK MEDICAL ATTENTION. NOTE TO PHYSICIAN: TREAT SYMPTOMATICALLY.			

**Section VII – Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material is Released or Spilled	
WEAR APPROPRIATE PROTECTIVE GEAR. ABSORB ONTO VERMICULITE. SWEEP UP INTO APPROPRIATE CONTAINER . WASH SPILL AREA AFTER MATERIAL PICKUP IS COMPLETE WITH AN APPROPRIATE SOLVENT LIKE PAINT THINNER.	
Waste Disposal Method	
DISPOSE OF IN ACCORDANCE WITH LOCAL , STATE AND FEDERAL REGULATIONS.	
Precautions to Be Taken in Handling and Storing	
STORE AT ROOM TEMPERATURE IN TIGHTLY CLOSED CONTAINERS. AVOID DIRECT OR PROLONGED CONTACT WITH SKIN AND EYES. WASH HANDS THOROUGHLY AFTER HANDLING. DO NOT RUB EYES WITH SOILED HANDS. DO NOT EAT, DRINK OR SMOKE IN THE WORK AREA .	
Other Precautions	
TRANSPORTATION PROCEDURE ( NON-REGULATED)	
UN-NUMBER: N/A	

**Section VIII – Control Measures**

Respiratory Protection (Specific Type)		
NO SPECIAL RESPIRATORY PROTECTION REQUIRED.		
Ventilation  NORMAL	Local Exhaust USE LOCAL EXHAUST AS NEEDED.	Special MAINTAIN SAFETY EQUIPMENT.
	Mechanical (General) PROVIDE ADEQUATE VENTILATION.	Other N/A
Protective Gloves RECOMMENDED OR AS REQUIRED	Eye Protection SAFETY GLASSES WITH SIDE SHIELDS	
Other Protective Clothing or Equipment WORK CLOTHING		
Work/Hygienic Practices CLEAN AS NORMAL		