

**WHMIS**  
**Material Safety Data Sheet**  
**Product Information**

**VP-TECH**



**SECTION 1: MATERIAL IDENTIFICATION**

**CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Emergency:** Chemtrek Telephone: 1-800-424-9300

**General Information:** Telephone 1-800-945-5554

**Generic Name:** Water Soluble Metalworking Fluid Concentrate

**SECTION 2: HAZARDOUS INGREDIENTS**

Ingredients that may contribute to the acute product hazards are listed under Health Hazards. Substances that are not hazardous under the OSHA Hazard Communication may be present. Additional composition information may be available to health professionals as provided in the standard.

<b><u>Component</u></b>	<b><u>CAS #</u></b>	<b><u>Percentage</u></b>
Potassium Hydroxide	1310-58-3	0.5% - 10%
Monethanolamine	141-43-5	0.5% - 10%

**SECTION 2: HAZARDOUS INGREDIENTS (CONTINUED)**

**HAZARD CATEGORIES**

Acute Health: Yes  
 Chronic Health: No  
 Fire: No  
 Sudden Release of Pressure: No  
 Reactive: No  
 WHMIS Classification: D2B

Conc. (%)	Acute Oral Toxicity (g/kg) (LD50-Rats)	Acute Inhalation Toxicity (mg/L) (Rats)	Acute Eye Irritation (Rabbits)	Primary Skin Irritation (Rabbits)	Corrosivity (Rabbits)	Acute Dermal Toxicity (g/kg) (LD50-Rabbits)
100	>5	Not Determined	Positive	Maybe	Negative	>5

**EXPOSURE GUIDELINES**

REGULATED MATERIAL	NIOSH REL	OSHA PEL	OSHA STEL	ACGIH TLV	ACGIH STEL
Metalworking Fluid Mist	0.5 mg/m <sup>3</sup>	N/A	N/A	N/A	N/A
Mineral Oil (mist)	5 mg/m <sup>3</sup>	5 mg/m <sup>3</sup>	N/A	5 mg/m <sup>3</sup>	N/A
Potassium Hydroxide	2.0 mg/m <sup>3</sup>	N/A	N/A	N/A	N/A

**Secondary Priority Substances List**

Material	205 Liter Drums to Reach Trigger	Trigger Amount
Not Applicable		

All ingredients of this product are on Canadian NDSL or DSL.

**SECTION 3: PHYSICAL DATA**

**BOILING POINT:** 300 F ó 400 F (148 C ó 204 C)  
**FREEZING POINT:** N/A  
**VAPOR PRESSURE:** N/D  
**SPECIFIC GRAVITY (WATER=1.0):** 1.010 +/- 0.02  
**PERCENT VOLATILE:** N/D  
**EVAPORATION RATE:** N/D  
**SOLUBILITY IN WATER:** COMPLETE  
**pH (5% SOLUTION):** 9.4+/- 0.5  
**APPEARANCE (NEAT):** LIGHT AMBER  
**ODOR:** MILD  
**PHYSICAL STATE:** LIQUID  
**VAPOR DENSITY:** N/A  
**COEFFICIENT OF OIL/WATER DISTRIBUTION:** N/D

**SECTION 4: FIRE AND EXPLOSION DATA**

**FLASH POINT:** N/D  
**FLAMMABLE LIMITS:** LFL: N/D UFL: N/D  
**EXPLOSION LIMITS:** N/A  
**HAZARDOUS COMBUSTION PRODUCTS:** N/A  
**EXTINGUISHING MEDIA:** WATER SPRAY, DRY CHEMICAL, FOAM, OR  
CARBON DIOXIDE  
**FIRE FIGHTING PROCEDURES:** N/D  
**SPECIAL FIRE AND EXPLOSION HAZARDS:** NONE EXPECTED  
**AUTOIGNITION TEMP:** N/D

**SECTION 5: REACTIVITY DATA**

**STABILITY:** STABLE UNDER NORMAL CONDITIONS  
**MATERIALS TO AVOID:** STRONG OXIDIZING AGENTS  
**HAZARDOUS DECOMPOSITION:** N/D  
**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR

## **SECTION 6: HEALTH HAZARD INFORMATION**

### **ROUTES OF ENTRY: EYE CONTACT, SKIN CONTACT, AND INHALATION**

**EYE CONTACT:** MAY CAUSE SEVERE IRRITATION

**SKIN CONTACT:** CONCENTRATE MAY CAUSE MILD IRRITATION

**INHALATION:** MAY CAUSE HEADACHE, NAUSEA, OR DROWSINESS.

EXTENDED EXPOSURE TO MISTS MAY CAUSE UPPER RESPIRATORY IRRITATION. NIOSH HAS SET AN REL OF 0.5 mg/m<sup>3</sup> FOR METALWORKING FLUID MIST.

**EFFECTS OF ACUTE EXPOSURE:** Generally, a solvent of low toxicity. At high conc. (2000 ppm), inhalation of the vapor may cause headache, drowsiness, nausea, and vomiting while eye contact will result in noticeable irritation. This product is mildly irritating on skin contact but moderately irritating if splashed into the eyes.+

**EFFECTS OF CRONIC EXPOSURE:** There are few reports of adverse health effects caused by long-term exposure to this product. Long-term contact with the liquid removes natural oils from the skin.

**IRRITANCY OF MATERIAL:** SEE ABOVE

**SENSITIZATION TO MATERIAL:** NONE KNOWN

**SYNERGISTIC:** UNKNOWN

**CONCERNING CARCINOGENCITY, MUTAGENICITY, REPODUCTIVE  
EFFECTS and TERATOGENCITY:** there is no evidence that this product causes cancer

## **SECTION 7: FIRST AID**

**SKIN CONTACT:** FLUSH CONTACTED AREA WITH LARGE AMOUNTS OF WATER WHILE REMOVING CONTAMINATED CLOTHING. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION.

**EYE CONTACT:** FLUSH CONTACTED AREA IMMEDIATELY WITH RUNNING WATER FOR AT LEAST 15 MINUTES AND GET PROMPT MEDICAL ATTENTION.

**INGESTION:** *DO NOT INDUCE VOMITING*, DILUTE WITH WATER AND IMMEDIATELY CONTACT PHYSICIAN.

**INHALATION:** REMOVE VICTIM TO FRESH AIR. GET MEDICAL ATTENTION IF BREATHING BECOMES DIFFICULT OR SYMPTOMS PERSIST. ADMINISTER OXYGEN IF NEEDED.

**SECTION 8: PREVENTIVE MEASURES**

**RESPIRATORY PROTECTION:** IN APPLICATIONS CONTAINING TIME WEIGHTED EXPOSURES (0.5 TO 5 mg/m<sup>3</sup>) NIOSH RECOMMENDS THAT INHALATION CAN BE REDUCED THROUGH IMPROVED VENTILATION OR A MIST COLLECTION PROCESS. IN THE EVENT THAT THESE METHODS ARE NOT APPLICABLE NIOSH RECOMMENDS THE USE OF AN AIR PURIFYING HALF-MASK RESPIRATOR, STANDARD OR DISPOSABLE, EQUIPPED WITH ANY P OR R SERIES PARTICULATE FILTER. IF CONTINUOUS EXPOSURE EXCEEDS 5 mg/m<sup>3</sup>, IT IS HIGHLY RECOMMENDED BY NIOSH TO USE AN AIR-PURIFYING RESPIRATOR EQUIPPED WITH A HOOD OR HELMET AND A HEPA FILTER. IF PERSISTENT RESPIRATORY PROBLEMS OCCUR WHEN MIST LEVELS ARE LESS THAN 0.5 mg/m<sup>3</sup> IT IS THEN THE INDIVIDUALS RESPONSIBILITY TO GET A RECOMMENDATION FROM A QUALIFIED HEALTH CARE PROVIDER FOR PERSONALIZED RESPIRATORY PROTECTION.

**WARNING:** THE PROPER USE AND TYPE OF RESPIRATOR IS THE RESPONSIBILITY OF USER AND IS DEPENDANT ON THE PRODUCT AND OPERATING CONDITIONS. VALENITE IS IN NO WAY RESPONSIBLE FOR IMPROPER USE OF ITS PRODUCT.

**VENTILATION:** IN GENERAL NORMAL SHOP VENTILATION IS ADEQUATE. IN CERTAIN INSTANCES WHEN HIGH MIST LEVELS OCCUR OR WHEN MACHINES ARE PLACED CLOSE TOGETHER SPLASH GUARDS AND/OR MIST COLLECTORS ARE RECOMMENDED TO AVOID THE POSSIBILITY OF RESPIRATORY IRRITATION.

**EYE PROTECTION:** PROPER OSHA APPROVED METALWORKING PLANT SAFETY GLASSES ARE REQUIRED WHEN HANDLING THIS PRODUCT AND ITS CONCENTRATE.

**PROTECTIVE CLOTHING OR EQUIPMENT:** PROPER OSHA APPROVED METALWORKING PLANT PROTECTIVE CLOTHING AS APPROPRIATE.

**PROTECTIVE GLOVES:** IMPERVIOUS GLOVES SUCH AS LATEX OR NITRILE GLOVES ARE HIGHLY RECOMMENDED WHEN HANDLING THIS PRODUCT.

**SAFETY COMMENTS:** NEVER EAT, DRINK, OR SMOKE IN WORK AREAS. PRACTICE GOOD PERSONAL HYGIENE AFTER USING THIS MATERIAL, THIS MEANS WASHING HANDS BEFORE EATING, DRINKING, SMOKING, USING THE TOILET, OR APPLYING COSMETICS.



N22 W23855 Ridge View Parkway West  
Waukesha, WI 53188 USA

**SECTION 9: STORAGE AND HANDLING**

**STORAGE REQUIREMENTS:** DO NOT FREEZE OR STORE ABOVE 120 F (48C).

**HANDLING PROCEDURES AND EQUIPMENT:** AVOID CONTACT WITH EYES OR PROLONGED CONTACT OF CONCENTRATE WITH SKIN. DO NOT SWALLOW.

**SPECIAL SHIPPING INFORMATION:** N/A

**SECTION 10: CLEAN-UP AND WASTE DISPOSAL**

**PRODUCT SPILL/LEAK:** USE FLOOR DRY, VACUUM UP PRODUCT. THE TRANSPORTATION, STORAGE, TREATMENT AND DISPOSAL OF THIS MATERIAL MUST BE CONDUCTED IN COMPLIANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

**DISPOSAL:** CONTAINERS SHOULD BE CLEANED BY APPROPRIATE METHODS AND THEN REUSED OR DISPOSED OF BY LANDFILL OR INCINERATION AS APPROPRIATE.

**SECTION 11: PREPARATION INFORMATION**

**MSDS NAME:** VP-TECH

**DATE CREATED:** 9/25/2006

**DATE REVISED:** 8/31/2013

**COMPANY:** WALTER USA 1-800-945-5554

**GLOSSARY OF ABBREVIATIONS**

<b>ACGIH</b>	<b>American Conference of Governmental Industrial Hygienists</b>
<b>CAS</b>	<b>Chemical Abstracts Service</b>
<b>CERCLA</b>	<b>Comprehensive Environmental Response Compensation and Liability Act</b>
<b>CFR</b>	<b>Code of Federal Regulations</b>
<b>COC</b>	<b>Cleveland Open Cup</b>
<b>DOT</b>	<b>Department of Transportation</b>
<b>EPCRA</b>	<b>Emergency Planning and Community Right-to-Know Act (aka SARA)</b>
<b>IARC</b>	<b>International Agency for Research on Cancer</b>
<b>NIOSH</b>	<b>National Institute for Occupational Safety and Health</b>
<b>NTP</b>	<b>National Toxicology Program</b>
<b>OSHA</b>	<b>Occupational Safety and Health Administration</b>
<b>PEL</b>	<b>Permissible Exposure Limit</b>
<b>RCRA</b>	<b>Resource Conservation and Recovery Act</b>
<b>REC</b>	<b>Recommended</b>
<b>REL</b>	<b>Recommended Exposure Limit</b>
<b>SARA</b>	<b>Superfund Amendments and Reauthorization Act</b>
<b>STEL</b>	<b>Short-Term Exposure Limit</b>
<b>TCLP</b>	<b>Toxicity Characteristics Leaching Procedure</b>
<b>TVL</b>	<b>Threshold Limit Value</b>
<b>TSCA</b>	<b>Toxic Substances Control Act</b>
<b>VOC</b>	<b>Volatile Organic Compounds</b>

**DISCLAIMER**

NOTE: The opinions expressed herein are those of qualified within Walter USA, and of their suppliers. We believe that the information contained herein is current as of the date of this Material Safety Data Sheet. Since the use of this information and of these opinions and the condition and use of the product are not within the control of Walter USA., it is the user's obligation to determine the conditions of safe use of the product.