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## MATERIAL SAFETY DATA SHEET

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### SECTION 1 - IDENTIFICATION

**PRODUCT NAME:** VP-LFC  
**PRODUCT DESCRIPTION:** SEMI SYNTHETIC  
**EFFECTIVE DATE:** AUGUST 31, 2011  
**SUPERCEDE:** NONE

**HMS RATINGS:**  
**HEALTH** [1]  
**FLAMMABILITY** [0]  
**REACTIVITY** [0]  
**PERSONAL PROTECTION** [C]

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### SECTION 2 – HAZARD IDENTIFICATION

**APPEARANCE (NEAT):** LIGHT YELLOW  
**ODOR:** MILD

**LIKELY ROUTES OF EXPOSURE:** EYES, SKIN, INGESTION OR INHALATION.  
**EYES:** MAY CAUSE SEVERE IRRITATION (TEARS, BLURRED VISION, AND REDNESS).

**SKIN:** CONCENTRATE MAY CAUSE SKIN TO BE IRRITATED. PROLONGED EXPOSURE OF THIS MATERIAL MAY CAUSE MODERATE SKIN IRRITATION. MAY CAUSE DRYING/DEFATTING OF THE SKIN. SKIN IRRITATION CAN ALSO OCCUR WHEN DILUTED PRODUCT BECOMES CONTAMINATED WITH CERTAIN OILS, DISSOLVED METALS, OR WHEN DILUTED MIX RATIO IS TOO STRONG.

**INGESTION:** NOT LIKELY TO BE TOXIC. MAY CAUSE IRRITATION TO THE MOUTH, THROAT OR STOMACH. MAY CAUSE NAUSEA, DIARRHEA OR VOMITING. IF INGESTED, DO NOT INDUCE VOMITING.

**INHALATION:** CONCENTRATE WILL NOT PRODUCE VAPORS UNLESS HEATED TO TEMPERATURES OF ~ 300 F. IF IRRITATION, HEADACHE, NAUSEA, OR DROWSINESS OCCURS, REMOVE TO FRESH AIR. GET MEDICAL ATTENTION IF BREATHING BECOMES DIFFICULT OR SYMPTOMS PERSIST. INHALATION OF DILUTED MIX CAN OCCUR IN APPLICATIONS WHERE HIGH MIST LEVELS ARE GENERATED. OSHA HAS SET A PEL OF 15 mg/m<sup>3</sup> FOR ANY AIRBORNE PARTICULATE AS A NUISANCE LEVEL OF EXPOSURE. NIOSH HAS SET AN REL OF 0.5 mg/m<sup>3</sup> FOR METALWORKING FLUID MIST. EXTENDED EXPOSURE TO MISTS MAY CAUSE UPPER RESPIRATORY IRRITATION. REMOVE VICTIM TO FRESH AIR, AND ADMINISTER OXYGEN IF NEEDED.

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### SECTION 3 - INFORMATION ON INGREDIENTS

**THIS INGREDIENT IS CONSIDERED HAZARDOUS UNDER FEDERAL HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200)**

<b>HYDROTREATED NAPHTHENIC OIL WEIGHT</b>	<b>CAS# 64742-52-5</b>	<b>20 – 30 % BY</b>
<b>CAUSTIC POTASH (45%)</b>	<b>CAS#1310-58-3</b>	<b>0 - 5 % BY WEIGHT</b>

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#### SECTION 4 - FIRST AID

**EYES:** IMMEDIATELY FLUSH EYES WITH WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.

**SKIN:** REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE. WASH SKIN WITH LARGE AMOUNTS OF WATER. GET MEDICAL ATTENTION IF IRRITATION DEVELOPS.

**INGESTION:** DO NOT INDUCE VOMITING. DO NOT ADMINISTER ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. IF CONSCIOUS, OFFER WATER TO DRINK. GET MEDICAL ATTENTION IMMEDIATELY.

**INHALATION:** REMOVE VICTIM TO FRESH AIR, AND ADMINISTER OXYGEN IF NEEDED. IF IRRITATION, HEADACHE, NAUSEA, OR DROWSINESS OCCURS, REMOVE TO FRESH AIR. GET MEDICAL ATTENTION IF BREATHING BECOMES DIFFICULT OR SYMPTOMS PERSIST.

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#### SECTION 5 - FIRE & EXPLOSION DATA

**FLASH POINT:** N/A

**FLAMMABLE LIMITS:** LFL: N/D UFL: N/D

**HAZARDOUS DECOMPOSITION PRODUCTS:** N/D

**EXTINGUISHING MEDIA:** USE DRY CHEMICAL, CO<sub>2</sub>, WATER SPRAY OR FOAM.

**FIRE FIGHTING PROCEDURES:** AS IN ANY FIRE, WEAR SELF-CONTAINED BREATHING APPARATUS PRESSURE-DEMAND, MSHA/NIOSH (APPROVED OR EQUIVALENT) AND FULL PROTECTIVE GEAR.

**SPECIAL FIRE AND EXPLOSION HAZARDS:** NONE EXPECTED

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#### SECTION 6 - SPECIAL HANDLING & STORAGE PRECAUTIONS

AVOID ALL CONTACT OF PRODUCT WITH EYES OR SKIN. WASH THOROUGHLY AFTER HANDLING. DO NOT SWALLOW. DO NOT STORE PRODUCT CONCENTRATE IN ELEVATED TEMPERATURES. IF PRODUCT IS FROZEN THE STABILITY CAN BE COMPROMISED. THAW COMPLETELY AND EVALUATE.

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#### SECTION 7 - REACTIVITY & STABILITY INFORMATION

**STABILITY:** STABLE UNDER NORMAL CONDITIONS

**MATERIALS TO AVOID:** STRONG ACIDS OR OXIDIZERS

**CONDITIONS TO AVOID:** USE AS DIRECTED

**HAZARDOUS DECOMPOSITION:** N/D

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#### SECTION 8 - SPILL OR LEAK PROCEDURES

USA

**PRODUCT SPILL/LEAK:** USE ABSORBANT MATERIAL TO CONTAIN THE SPILL. COLLECT USED ABSORBANT MATERIAL AND DISCARD AS DICTATED BY FEDERAL, STATE, AND LOCAL REGULATIONS THAT MAY APPLY. ENSURE THAT ANY RESIDUE FROM SPILL IS PROPERLY CLEANED AND DISCARDED ACCORDING TO REGULATIONS AS WELL.

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### SECTION 9 - PHYSICAL DATA

**BOILING POINT:** 250 to 350 F  
**VAPOR PRESSURE:** N/D  
**SPECIFIC GRAVITY (WATER=1.0):** 1.065 +/- 0.02  
**PERCENT VOLATILE:** N/D  
**EVAPORATION RATE:** N/D  
**SOLUBILITY IN WATER:** COMPLETE  
**pH (5% SOLUTION):** 9.8 +/- 0.5  
**APPEARANCE (NEAT):** YELLOW  
**ODOR:** MILD

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### SECTION 10 - PERSONAL PROTECTION

**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 INDIVIDUAL'S 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. WALTER USA 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.

USA

**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.

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## SECTION 11 – TOXICOLOGY INFORMATION

**Toxicological information:** Not Established

**Acute Toxicity:** Not Determined

**Local Effects:** None known

**Component Analysis:** Not established

**Pre-Existing conditions aggravated by exposure:** Not Established

**Synergistic Materials:** No data available for this product.

**Epidemiology:** NO epidemiological data is available for this product.

**Nuerotoxicity:** No data available for this product.

**Mutagenicity:** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Teratogenicity:** No data available to indicate product or any components present at greater than 0.1% may cause birth defects.

**Chronic Toxicity:** Not established

**Subchronic Toxicity:** Not established

**Human Experience:** Not established

**Symptoms and Target Organs:** Not established

**Further Information:** This product has no known adverse effect on human health

**Reproductivity:** Not established

**Routes of Exposure:** Ingestion, inhalation, eye contact, ski contact

**Carcinogenicity:** No components listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

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## SECTION 12 – ECOLOGICAL INFORMATION

**Ecotoxicity:** This material is not expected to be harmful to aquatic life.

**Environmental Effects:** Ecological injuries are not know or expected under normal use.

**Persistence/Degradability:** Not established.

**Bioaccumulations:** Not established

**Aquatic Toxicity:** Not established

**Partition Coefficient:** Not Established

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**SECTION 13 – DISPOSAL**

**Waste Codes:** Waste codes should be assigned by the user based on the applications for which the product was used.

**Disposal Instructions:** This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b) (4)). Under RCRA, it is the responsibility of the user of the product to determine, at this time of disposal, whether the product meets RCRA criteria for hazardous waste.

**Waste from residues/unused products:** Dispose of in accordance with local regulations.

**Contaminated Packaging:** Do not re-use empty containers.

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**SECTION 14 - SHIPPING INFORMATION / PACKAGING SIZE**

**HAZARD CLASS:** NON-HAZARDOUS

**DOT SHIPPING NAME:** NON-HAZARDOUS

**UN NUMBER:** NON-HAZARDOUS

**PACKAGING SIZE:** 5 GALLON PAILS, 55 GALLON DRUMS, 275 AND 330 GALLON TOTES, BULK TANKER.

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**SECTION 15 – REGULATORY INFORMATION**

**SARA III SECTION 313 INFORMATION:**

NONE

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**SECTION 16 – OTHER**

FOR ADDITIONAL INFORMATION PLEASE CALL 1-800-945-5554

**EMERGENCY (24 HOURS): CHEMTREC 1-800-424-9300**



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