

## SAFETY DATA SHEET – VETENAL II

**Section 1: Product & Company: Identification**

Trade Name: Vetenal II  
 EPA No. 10324-71  
 Product Class: Quaternary Ammonium Compound  
 Product Use: Disinfectant/Sanitizer  
 Manufacturer: Wayne Concept  
 5005 Speedway Dr.  
 Fort Wayne, IN 46825  
 Telephone Numbers: 24 hr. Emergency Assistance: Infotrac 1-800-535-5053  
 Product or Company Information: 1-260-482-8615

**Section 2: Hazards Identification**

Emergency Overview Clear, colorless to straw colored liquid. Corrosive to the eyes, skin, gastrointestinal tract, and respiratory system.

Signal Word: DANGER

GHS Classifications:

Acute Toxicity(oral); Category 4, Acute Toxicity(dermal); Category 4,  
 Skin Corrosion/Irritation; Category 1B, Serious Eye  
 Damage/Irritation; Category 1



Potential Health Effects:

Skin: Causes corrosive burns. Brief exposures may cause irritation and defatting of the skin. Exposures not promptly washed off may lead to toxic effects similar to ingestion. Harmful if absorbed through the skin.  
 Eyes: Causes burns and may result in permanent injury to eyes including blindness.  
 Inhalation: Mists and vapors can irritate the throat and respiratory tract. High vapor concentrations may cause central nervous system effects. Symptoms may include headaches, dizziness, and drowsiness.  
 Ingestion: Ingestion can cause gastrointestinal irritation, swelling of the larynx, difficulty in breathing, circulatory shock, convulsions and possibly death.

**Section 3: Composition/Information on Ingredients**

Ingredient	CAS#	Wt. %
Alkyl dimethyl benzyl ammonium chloride (C12-18)	68391-01-5	0.75-1.25%
Alkyl dimethyl ethylbenzyl ammonium chloride(C12-14)	85409-23-0	0.75-1.25%
Tetrapotassium pyrophosphate (TRPP)	7320-34-5	1 - 5%
Tetrasodium ethylenediamine tetraacetate (EDTA)	64-02-8	1 - 5%
Sodium Metasilicate	6834-92-0	1 - 5%

**Section 4: First Aid Measures**

Eyes: Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention at once.  
 Skin or Clothing: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.  
 Inhalation: If symptoms are experienced, move victim to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

## Vetenal II

**Ingestion:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

**Note to Physician:** Probable mucosal damage may contraindicate the use of gastric lavage.

### **Section 5: Fire Fighting Measures**

**Flash Point:** None when heated to boiling 105°C – Tag Closed Cup

**Upper & Lower Flame Limits** Not determined

**Extinguishing Media:** Dry chemical, foam, carbon dioxide or water fog or water (if appropriate for surrounding fire).

**Fire Fighting Equipment & Instructions:** Firefighters should wear full protective clothing including self-contained breathing apparatus. Cool fire exposed containers with spray.

**Hazardous Combustion Products:** Irritating and toxic gases or fumes may be released during a fire.

### **Section 6: Accidental Release Measures**

#### **Spill and Leak Procedures**

**Emergency Action:** Isolate spill or leak area immediately. Keep unauthorized personnel away. Stay upwind. Keep out of low areas where vapors may accumulate.

**Spill Cleanup:** Ventilate closed spaces before entering. All equipment used when handling the product must be grounded. Floor will be slippery. Do not touch or walk through spilled material. Stop leak if you can do it without risk. A vapor suppressing foam may be used to reduce vapors. Prevent entry into waterways, sewers, basements or confined areas. Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers. Use clean non-sparking tools to collect absorbed material.

**Large Spills:** Dike far ahead of liquid spill for later disposal. Water spray may reduce vapor but will increase foaming. Water may not prevent ignition in closed spaces.

### **Section 7: Handling & Storage**

**Handling Procedures:** Avoid contact with skin and eyes. Use good personal hygiene practices. Wash hands before eating, drinking, smoking, or using toilet facilities. Wash thoroughly after work using soap and water.

**Storage Procedures:** Keep the container tightly closed and in a cool, well-ventilated place. Keep from freezing. Prevent electrostatic charge buildup by using common bonding and grounding techniques.

### **Section 8: Exposure Controls/Personal Protection**

**Engineering Controls:** Provide adequate local exhaust ventilation (explosion proof) to maintain worker exposure below exposure limits.

#### **Personal Protective Equipment:**

**Eyes/Face:** Wear chemical goggles. Use a face shield if splashing is possible.

**Skin:** Use impervious gloves (rubber or neoprene). Wear suitable protective clothing.

**Respiratory:** If exposure limits are exceeded or if irritation is experienced, NIOSH approved respiratory protection should be worn. Ventilation and other forms of engineering controls are often the preferred means for controlling chemical exposures. Respiratory protection may be needed for non-routine or emergency situations.

Vetenal II

General: Eye wash fountain and emergency showers are recommended.

The following ingredients have established exposure guidelines:

None established for any component

All TWAs are for an 8-hour period and all STELs are for 15 minutes unless specifically noted as being for another time period.

NIOSH REL TWAs are for a 10-hour period.

Section 9: Physical & Chemical Properties

Flash Point: None when heated to boiling 105°C- Tag Closed Cup  
 Specific Gravity: 0.9895 (8.25 lbs/gal)  
 Percent Volatiles: Not determined.  
 Vapor Pressure: Not determined.  
 VOC Content: Not determined.  
 Vapor Density: Estimated to be heavier than air.  
 Viscosity: 23.56 mm<sup>2</sup>/s @ 22° C  
 Evaporation Rate: Not determined  
 Pour Point: Not determined  
 pH: 12-14  
 Appearance and Odor: Clear, colorless to straw colored liquid with benzaldehyde (organic) odor.

Section 10: Stability & Reactivity

Chemical Stability: Material is stable.  
 Conditions to Avoid: Keep away from heat and strong oxidizing agents.  
 In-compatibilities: Strong oxidizing agents (may result in fire.), reducing agents Hazardous  
 Decomposition: Carbon monoxide, carbon dioxide and toxic hydrogen chloride vapors.  
 Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

Carcinogenicity - No Carcinogenicity data available for this product.

Acute Toxicity:

Component	Oral LD50	Dermal LD50	Inhalation LC50
Alkyldimethyl benzyl ammonium chloride	312 mg/kg	>2 g/kg	-----
EDTA	3,030 mg/kg (Rat)	75,000 mg/kg (Rabbit)	-----
TRPP	>1,000 mg/kg (Rat)	>4,640 mg/kg (Rabbit)	-----
Sodium metasilicate	600 mg/kg (Rat)	-----	-----

Chemicals Ingredients Listed as Potential or Known Carcinogens

Ingredient	OSHA	NTP	IARC
No ingredients listed in this section.			



ID- Idaho Non-carcinogen Toxic Air Pollutants  
 IL- Illinois Toxic Air Contaminant - Carcinogenic  
 MA - Massachusetts Right to Know List  
 MN- Minnesota Hazardous Substances List

NJ- New Jersey Right to Know List  
 PA- Pennsylvania Right to Know List  
 RI- Rhode Island Hazardous Substances List

**WHMIS Classification:** 028, E This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

**Section 16: Other Information**

**Current Issue Date:** Dec. 30, 2015

<b>Hazard Ratings</b>	<b>HMIS IIII</b>	<b>NFPA</b>
	Health-3	Health - 3
	Flammability - 0 Physical Hazard - 0	Flammability - 0 Instability - 0
	PPE - 8	

**Disclaimer**

Disclaimer: Nothing contained herein grants or extends a license, express or implied, in connection with patents, issued or pending, of the manufacturer or others. The information contained herein is based on the manufacturer's own study and the works of others. The manufacturer makes no warranties, expressed or implied, as to the accuracy, completeness, or adequacy of the information contained herein. The manufacturer shall not be held liable (regardless of fault) to the vendee's employees, or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of such information.

The seller makes no warranty expressed or implied concerning the accuracy or any results to be obtained from the use of any information and no warranty expressed or implied concerning the use of the products. The buyer assumes all risks of the use and/or handling.