

SAFETY DATA SHEET

SECTION 1	IDENTIFICATION
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PRODUCT

Product Name: VC-10 LIQUID CLEANER
Product Description: Detergent
Intended Use: Degreaser

COMPANY IDENTIFICATION

Supplier: Varouh Oil, Inc.
970 Griswold Road
Elyria, OH 44035

440-324-5025

Transportation Emergency Phone
SDS Internet Address

800-424-9300 or 703-527-3887 CHEMTREC
<http://www.varouhoil.com>

SECTION 2	HAZARDS IDENTIFICATION
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Appearance: Clear liquid

Physical State: Liquid

Odor: Slight detergent

CLASSIFICATION

Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1

Signal Word:
Danger

Hazard Statements:

Causes severe skin burns and eye damage



Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection

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Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

Immediately call a POISON CENTER or doctor/physician

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Wash contaminated clothing before reuse

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

Immediately call a POISON CENTER or doctor/physician

IF SWALLOWED: rinse mouth. Do NOT induce vomiting

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Unknown Acute Toxicity

4% of the mixture consists of ingredient(s) of unknown toxicity

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Tetrapotassium pyrophosphate	7320-34-5	Proprietary
Trisodium Phosphate	7601-54-9	Proprietary

The specific chemical identity of this composition is being withheld as a trade secret.

SECTION 4 FIRST AID MEASURES

First Aid Measures

Eye Contact	Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice.
Skin Contact	Wash off immediately with plenty of water. Take off contaminated clothing. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.
Inhalation	Remove to fresh air. Call a physician immediately.
Ingestion	Immediately drink 1-2 glasses of milk or water. Do not induce vomiting. Call a physician or Poison Control Center.

Most important symptoms and effects

Symptoms	May cause eye burns and permanent eye damage. Prolonged contact may even cause severe skin irritation or mild burn. May cause nausea, vomiting, stomach ache, and diarrhea. Skin contact may aggravate an existing dermatitis. Mists or vapors may be mildly irritating to throat and respiratory tract.
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Indication of any immediate medical attention and special treatment needed

Notes to Physician	Treat symptomatically.
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SECTION 5	FIRE FIGHTING MEASURES
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Suitable Extinguishing Media: Water spray (fog). Foam. Dry chemical. Carbon dioxide (CO₂).

Unsuitable Extinguishing Media: Not determined.

Specific Hazards Arising from the Chemical: Non-flammable solution.

Hazardous Combustion Products: Carbon oxides. Nitrogen oxides (NO_x). Oxides of sulfur.

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Cool containers exposed to fire with water.

SECTION 6	ACCIDENTAL RELEASE MEASURES
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Personal precautions, protective equipment and emergency procedures

Personal Precautions **Use** personal protective equipment as required. Spills may be slippery. Take care to maintain footing.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Wipe or soak up with absorbent material for disposal. Place collected waste in DOT approved containers for disposal. Contain large spills and pump into a suitable tank for disposal.

SECTION 7	HANDLING AND STORAGE
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Precautions for safe handling

Advice on Safe Handling: Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.

Conditions for safe storage, including any incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from high heat and open flames. Store locked up.

Incompatible Materials: Strong oxidizing agents.

SECTION 8	EXPOSURE CONTROLS/PERSONAL PROTECTION
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Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium metasilicate pentahydrate 10213-79-3	•	15 mg/m ³ TWA (total dust); 5 mg/m ³ TWA (respirable fraction)	•

Appropriate engineering controls

Engineering Controls: Ventilation systems. Eyewash stations. Showers.

Individual protection measures, such as personal protective equipment

Eye/Face Protection: Prevent eye contact. Risk of contact: Wear approved safety goggles.

Skin and Body Protection: Avoid contact with skin. Rubber gloves.

Respiratory Protection: If misting conditions are present, wear NIOSH approved respirator with cartridge suitable for alkaline mists or self-contained breathing apparatus.

General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

SECTION 9	PHYSICAL AND CHEMICAL PROPERTIES
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Physical State	Liquid	Odor:	slight detergent
Appearance	Clear liquid	Odor Threshold:	not determined
Color	Blue	<u>Remarks / Method</u>	
Property	Values		
pH	12.5 (concentrate)		
Melting Point/Freezing Point	Not determined		
Boiling Point/Boiling Range	99°C/212°F		
Flash Point	None		
Evaporation Rate	Not determined		
Flammability (Solid, Gas)	n/a-liquid		
Upper Flammability Limits	Not determined		
Lower Flammability Limit	Not determined		
Vapor Pressure	Not determined		
Vapor Density	Not determined		
Specific Gravity	1.048		
Water Solubility	Completely soluble		
Solubility in other solvents	Not determined		
Partition Coefficient	Not determined		
Autoignition Temperature	Not determined		
Decomposition Temperature	Not determined		
Kinematic Viscosity	Not determined		
Dynamic Viscosity	Not determined		
Explosive Properties	Not determined		
Oxidizing Properties	Not determined		

SECTION 10	STABILITY AND REACTIVITY
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Reactivity:

Not reactive under normal conditions.

Chemical Stability:

Stable under recommended storage conditions.

Possibility of Hazardous Reactions:

None under normal processing.

Hazardous Polymerization:

Hazardous polymerization does not occur.

Conditions to Avoid:

High heat or open flames.

Incompatible Materials

Strong oxidizing agents.

Hazardous Decomposition Products

Carbon oxides. Nitrogen oxides (NOx). Sulfur oxides.

SECTION 11	TOXICOLOGICAL INFORMATION
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Information on likely routes of exposure

Product Information Eye

Causes severe eye damage.

Contact Skin Contact

Causes severe skin burns. Avoid

Inhalation Ingestion

breathing vapors or mists. Do not

Component Information

taste or swallow.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium metasilicate pentahydrate 10213-79-3	847 mg/Kg (rat)	-	-
Alcohols, C9-11 ethoxylated 68439-46-3	= 1378mg/kg (Rat)	> 2 g/kg (Rabbit)	-
Tetrapotassium pyrophosphate 7320-34-5	-	> 4640 mg/kg (Rabbit)	-
Trisodium Phosphate 7601-54-	> 2000 mg/kg (Rat)	> 300 mg/kg (Rabbit)	>2.16mg/L (Rat) 1 h
Tetrasodium EDTA 64-02-8	= 10g/kg (Rat)	-	-

Information on physical, chemical and toxicological effects

Symptoms

Please see section 4 of this SDS for symptoms.

Delayed and immediate effects as well as chronic effects from short and **long-term** exposure

Carcinogenicity

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical measures of toxicity: ND

Unknown Acute Toxicity: 4% of the mixture consists of ingredient(s) of unknown toxicity.

SECTION12	ECOLOGICAL INFORMATION
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Ecotoxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Tetrapotassium pyrophosphate 7320-34-5		100: 96 h Oncorhynchus mykiss mg/L LC50		100: 48 h water flea mg/L EC50
Tetrasodium EDTA 64-02-8	1.01: 72 h Desmodesmus subspicatus mg/L EC50	41: 96 h Lepomis macrochirus mg/L LC50 static 59.8: 96 h Pimephales promelas mg/L LC50 static		610: 24 h Daphnia magna mg/L EC50

Persistence/Degradability: ND

Bioaccumulation: ND

Mobility: ND

Other Adverse Effects: ND

SECTION 13	DISPOSAL CONSIDERATIONS
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Waste Treatment Methods

Disposal of Wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated Packaging	Disposal should be in accordance with applicable regional, national and local laws and regulations.

SECTION 14	TRANSPORT INFORMATION
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Note	Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.
DOT	Not regulated
IATA	Not regulated
IMDG	Not regulated

SECTION 15	REGULATORY INFORMATION
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International Inventories: ND
 US Federal Regulations

CERCLA

Chemical Name	Hazardous Substances RQs	CERCLA/SARARQ	Reportable Quantity (RQ)
Trisodium Phosphate 7601-54-9	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

SARA 313: ND

CWA (Clean Water Act)

Component	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Trisodium Phosphate 7601-54-9 (Proprietary)	5000 lb			X

US State Regulations

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Trisodium Phosphate 7601-54-9	X	X	X

16. OTHER INFORMATION

NFPA	Health Hazards Not determined	Flammability Not determined	Instability Not determined	Special Hazards Not determined Personal
HMIS	Health Hazards 2	Flammability 0	Physical Hazards 0	Protection Not determined

THIS SAFETY DATA SHEET CONTAINS THE FOLLOWING REVISIONS:

Updates made in accordance with implementation of GHS requirements.

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