

MATERIAL SAFETY DATA SHEET

I. PRODUCT AND COMPANY IDENTIFICATION

Product Name: ORGANIC ACID WASH
Manufacturer: CH2O INC
8820 OLD HWY 99 SE
Olympia, WA 98501 USA
(360) 943-6063 800-562-6184

IN AN EMERGENCY CALL CHEMTREC AT 1-800-424-9300

II. INGREDIENT INFORMATION

Ingredient	CAS Number	% By Weight	OSHA PEL	ACGIH TLV
Citric acid	77-92-9	20 - 25	NA	NA

III. HAZARDS IDENTIFICATION

HMIS Rating:		Protective Equipment Key:	
HEALTH	2	A safety glasses	G safety glasses, a vapor respirator
FLAMMABILITY	0	B safety glasses and gloves	H splash goggles, gloves, apron and a vapor respirator
REACTIVITY	0	C safety glasses, gloves and an apron	I safety glasses, gloves and a dust/vapor respirator
PROTECTIVE EQUIPMENT	B	D face shield, gloves and an apron	J splash goggles, gloves, apron and a dust/vapor respirator
		E safety glasses, gloves and a dust respirator	K airline hood or mask, gloves, full suit and boots
		F safety glasses, gloves, apron and a dust respirator	L - Z custom PPE

Eyes: This material will cause severe eye irritation or burning upon direct contact. Permanent eye damage can occur. Exposure to vapor, mist or dust will also be irritating.

Skin: This material may cause skin irritation. Prolonged or repeated contact may cause redness, burning, drying, and cracking of the skin. Persons with pre-existing skin disorders may be more susceptible to the effects of this material.

Ingestion: Ingestion of this material will cause damage to tissues contacted. Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause pulmonary injury.

Inhalation: Inhalation may cause irritation and damage to the mucous membranes and respiratory tract.

Carcinogenicity: IARC: False NTP: False OSHA: False

IV. EMERGENCY AND FIRST AID MEASURES

Eyes: Flush with large amounts of fresh water for 15 minutes, lifting upper and lower lids occasionally. Contact a physician if irritation persists.

Skin: Remove contaminated clothing and launder before re-use. Flush exposed areas with large amounts of fresh water. If skin feels slippery, continue flushing until slick feeling is gone. Contact a physician if irritation persists.

Ingestion: Do not induce vomiting. Give several glasses of water for dilution effect. If vomiting occurs, administer additional fluids. Never give anything by mouth to an unconscious person. Contact a physician immediately for further instructions.

Inhalation: Move victim to fresh air. Administer oxygen if breathing is difficult, or artificial respiration if breathing has stopped. Contact a physician if irritation persists.

Medical Conditions: None known.

Aggravated By
Exposure:

V. FIRE FIGHTING MEASURES

Firefighters should wear appropriate protective equipment including respiratory protection as conditions warrant. Stop spill/release if it can be done without risk. Move undamaged containers from fire area if it can be done without risk. Water spray may be useful in cooling equipment and containers exposed to heat and flame. Avoid spreading burning material with water used for cooling purposes.

Flash Point (closed cup) F: >200 Extinguishing Media: Foam, dry chemical, water spray.

Special Fire Fighting Procedures:
Unusual Fire & Explosion Hazards: None known.

VI. ACCIDENTAL RELEASE INFORMATION

Spill Response: Only trained personnel with proper protective gear should be permitted in the area. Stop spill at source; reclaim material if possible for reuse. Containerize contaminated material for disposal. After all visible traces have been removed, flush area thoroughly with water. Dispose of all waste in accordance with local, state, and federal regulations. Care must be taken when using or disposing of chemical materials and/or their containers to prevent environmental contamination.

Waste Handling Procedure: See Section XIII

VII. HANDLING AND STORAGE

Handling: Eyewash fountain recommended in work area. Do not use pressure to empty container. Do not cut, grind, weld, or drill on or near this container. Containers, even when empty, can contain product residues and vapors; always obey hazard warnings and handle empty containers as if they were full.

Storage: Store this material in a cool, dry, well ventilated area away from heat and all sources of ignition. Keep container tightly closed when not in use. Store only in approved containers that have been properly labeled. Protect container from physical damage.

Shelf Life (years): 1

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VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Eye Protection: Use safety glasses when handling product concentrate. Where contact is likely or probable, splash-proof chemical goggles are recommended. If vapors cause eye discomfort, use a full-face respirator.

Skin Protection: During normal use of the diluted product, no special precautions other than impervious gloves should be needed. When probable or repeated contact could occur, use additional protective clothing. Selection of specific items such as boots, apron, or full-body suit will depend on the operation.

Respiratory Protection: Atmospheric levels should be maintained below the exposure guideline. When respiratory protection is required, use an approved air-purifying respirator. When exposure guidelines may be greatly exceeded, use an approved positive pressure self-contained breathing apparatus. A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Environmental Controls: Maintain airborne concentrations below the exposure guidelines. If airborne concentrations are unknown it should be assumed they are at or above exposure guidelines.

Hygiene: Never touch face with hands or gloves that may be contaminated with product. Wash thoroughly with soap and water after handling product.

IX. PHYSICAL AND CHEMICAL PROPERTIES

Specific Gravity: 1.09 1% pH: 2.4 Percent Volatile: 70-80 Physical State: Liquid Solubility: SOLUBLE IN WATER
Appearance and Odor: MEDIUM BROWN

X. STABILITY AND REACTIVITY

General: This product is considered a stable material under normal and anticipated storage and handling conditions.

Incompatibility: None known.

Hazardous Decomposition Products: ...

XI. TOXICOLOGICAL INFORMATION

Toxicological properties of this chemical mixture have not been thoroughly investigated.

XII. ECOLOGICAL PROPERTIES

Ecological properties of this chemical mixture have not been thoroughly investigated.

XIII. DISPOSAL INFORMATION

Dispose of all product and wastes thereof in accordance with local, state, and federal regulations.

Empty containers may contain product residuals which could contaminate the environment if improperly managed. It is important to handle empty containers carefully, and to dispose of them in accordance with all pertinent regulations.

XIV. TRANSPORTATION INFORMATION

This product is not regulated by the US Department of Transportation.

RQ:

XV. REGULATORY INFORMATION

This product is considered hazardous under the criteria of the Federal OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SARA Hazard Category: Acute: True Chronic: False Reactive: False Fire: False R-O-P: False

XVI. OTHER INFORMATION

The information on this Material Safety Data Sheet reflects the latest information and data that we have on hazards, properties, and handling of this product under the recommended conditions of use. As the use of this material is subject to conditions beyond the seller's control, seller makes no warranty express or implied as to this material or its use other than its chemical analysis when packed. The total liability of seller shall be limited to the purchase price of the product.

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