
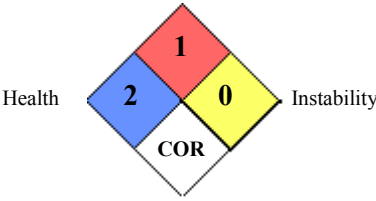


Safety Data Sheet

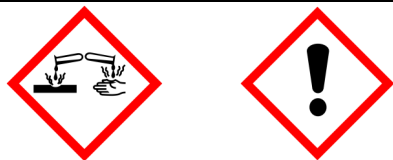
Revision Issued: 05/11/2016	Supersedes: 05/28/2015	First Issued: 04/03/2012
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Section I -- Identification

Product Name: SW^o		SmartWash® SDS No.: 02 Item Nos.: 010100
 <p style="text-align: center;">SmartWash® Solutions LLC</p> <p style="text-align: center;">1129 Harkins Rd. Salinas, CA 93901 831.676.9750</p> <p>Web Site: www.smartwashesolutions.com</p>	<p>Emergencies: CHEMTREC: 1-800-424-9300 National Response in Canada CANUTEC: 613-996-6666 Outside US and Canada: CHEMTREC: 703-527-3887</p> <p>NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals.</p> <p>Health Emergency: Contact your local Poison Center</p>	<p>Flammability</p>  <p>Specific Hazard</p> <p>NFPA Code</p>

Common Name	Synonyms	Uses
SW ^o	SmartWash® ^o , SmartWash® organic	Food Grade Processing Aid, Food Processing Wash Water Adjuvant

Section II -- Hazard(s) Identification

Acute Toxicity—Oral:	Category 4.		
Acute Toxicity—Dermal:	Category 4.		
Acute Toxicity—Inhalation	Category 4.		
Eye Corrosion/Irritation:	Category 1.		
Skin Corrosion/Irritation:	Category 2.		
Corrosive to Metals:	Category 1.		
Carcinogenicity Lists:	IARC Monograph: No	NTP: No	OSHA: No
Signal Word:	DANGER		
Hazard Symbol:			
Hazard Statements:	<p>Harmful if swallowed. Harmful in contact with skin. Harmful if inhaled. Causes skin irritation. Causes serious eye damage. May be corrosive to metals.</p>		

Section II (continued) -- Hazard(s) Identification**Precautionary Statements**

Prevention:	Wash hands thoroughly after handling. Do not eat, drink or smoke while using this product. Wear protective gloves, eye protection and clothing. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only in a well-ventilated area. Keep only in original container.
Response:	Absorb spillage to prevent material damage. Take off contaminated clothing and wash it before reuse. IF SWALLOWED: Call a poison center or doctor if you feel unwell. Rinse mouth with water. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of soap and water. Call a poison center if you feel unwell. IF SKIN IRRITATION OCCURS: get medical advice or attention. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center or doctor if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF EYE IRRITATION PERSISTS: Get medical advice or attention.
Storage:	Store in corrosive resistant or original container. Store locked up.
Disposal:	Dispose of contents/container in accordance with local/regional/national/international hazardous waste disposal regulations.

Section III -- Composition / Information On Ingredients

CHEMICAL NAME	CAS No.	% By Weight	LC50/LD50
Lactic Acid	79-33-4	≤ 30.0%	See Section XI
Ingredient B (Trade Secret)	N/A	≤ 20.0%	
Water	7732-18-5	≥ 50.0%	

Section IV -- First Aid Measures

Eyes:	Immediately flush eyes (holding eyelids apart) with gentle but large stream of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.
Skin:	Immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Cover the irritated skin with emollient. Cold water may be used. Wash clothing before reuse. Get medical attention immediately. SERIOUS: Wash with a disinfectant soap and cover the contaminated skin with an antibacterial cream. Seek immediate medical attention.
Ingestion:	If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water (or milk, if available). Never give anything by mouth to an unconscious person. Call a physician immediately.
Inhalation:	Remove to fresh air. If not breathing, give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory device. If breathing is difficult, give oxygen. Observe for possible delayed reaction. Call a physician immediately. SERIOUS: Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. WARNING: It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek immediate medical attention.

Section V – Fire Fighting Measures			
Flammability:	Non-flammable	Auto-Ignition Temperature:	Not Applicable
Flash Point:	Not Applicable	Product of Combustion:	Not Available
Unusual Fire and Explosion Hazards:	Not flammable. However the following hazards can occur with extreme heat: release of carbon oxides.		
Extinguishing Media:	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.		
Special Firefighting Procedure and Equipment:	Use any suitable means to extinguish surrounding material. Do Not use a solid water stream as it may scatter and spread fire. Hazardous decomposition products may be formed under fire conditions. Exposure to decomposition products may be a hazard to health. Wear full protective clothing NIOSH approved self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure mode. Keep personnel removed from and upwind of fire.		
Further Information:	Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and surrounding environment. In the event of fire and/or explosion do not breathe fumes. Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.		

Section VI – Accidental Release Measures	
Small Spill:	Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. If necessary: neutralize the residue with sodium carbonate.
Large Spill:	Corrosive liquid. Poisonous liquid. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Use water spray curtain to divert vapor drift. Use water spray to reduce vapors. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal. Neutralize the residue with sodium carbonate.
Release Notes:	US Regulations (CERCLA) require reporting spills and releases to soil, water and air if in excess of reportable quantities. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.
Comments:	See Section XIII for disposal information and Section XV for regulatory requirements.

Section VII – Handling and Storage	
Precautions for Safe Handling:	Keep locked up. Keep container dry. Do not ingest. Do not breathe gas/fumes/vapor/spray. Never add water to this product, instead always add to water following manufacturer's directions. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. May corrode metallic surfaces. Store in a metallic or coated fiberboard drum using a strong polyethylene inner package. Use appropriate personal protective equipment as specified in Section VIII. Avoid contact with skin and eyes. Avoid inhalation and ingestion.
Conditions for Safe Storage:	Keep in unopened or tightly closed container. Avoid temperatures below 32°F or above 104°F. Keep away from combustible materials, strong bases and metals. Never use unprotected steel containers.

Section VIII – Exposure Controls/ Personal Protection

Engineering Controls:

First Aid Equipment:	Maintain eye wash fountain and quick-drench facilities in work areas.
Ventilation Local /General:	Good ventilation should be sufficient to control airborne levels. Local exhaust ventilation is generally preferred because it can control the emission of the vapor or mist at its source, preventing dispersion onto the general work areas.
Airborne Exposure Limits:	Contains no substances with occupational exposure limit values.

Personal Protection:

Exposure Below Limits:	Use chemical safety goggles and/or a full-face shield where splashing is possible. Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls as appropriate to prevent skin contact.
Exposure Exceeds Limits: Personal Respirators (NIOSH Approved):	There are no known exposure limits. In case of vapor formation see Emergency/Unknown Exposure Levels below.
Emergencies/Unknown Exposure Levels:	In the case of vapor formation, use the full-face piece positive-pressure, air-supplied respirator. WARNING Air purifying respirators do not protect workers in oxygen-deficient atmospheres.

Section IX – Physical and Chemical Properties

Appearance:	Clear to Yellow Liquid.	Boiling Point and Range:	Approximately 100°C.
Melting/Freezing Point:	Not available.	Flash Point:	Not available.
Solubility:	Easily soluble in water.	Vapor Pressure, mm Hg:	Not available.
Specific Gravity:	1.08	Molecular Weight:	Not applicable.
Vapor Density (Air=1):	Not available.	% Volatiles:	Not available.
Bulk Density:	9.01 lbs./gal.	Evaporation Rate:	Not applicable.
pH:	Acidic.	Odor:	Not available.
Viscosity:	Not available.	Odor Threshold:	Not available.

Section X — Stability and Reactivity

Stability:	The product is stable.
Reactivity:	No decomposition if stored and applied as directed.
Conditions to avoid:	High temperatures (> 200°C).
Incompatible Materials:	Slightly reactive to reactive with oxidizing agents, combustible materials, metals and alkalis.
Hazardous Decomposition Products:	Build up of dangerous/toxic fume possible in cases of fire/high temperature.
Possibility of Hazardous Reactions:	Do not mix directly with bleach (and other chlorine compounds) or ammonia.

Section XI Toxicological Information

Routes of Exposure:	Absorbed through Skin, Eye contact, and/or Inhalation		
Cancer Lists:	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC, ACGIH, NTP, or OSHA.		
Ingredient:	----- NTP Carcinogen -----		
	<u>Known</u>	<u>Anticipated</u>	<u>IARC Category</u>
Lactic Acid:	No	No	None
Ingredient B:	No	No	None
Water:	No	No	None
Toxicity to Animals:	Acute Oral Toxicity:	No data available.	
	Acute Inhalation Toxicity:	No data available.	
	Acute Dermal Toxicity:	No data available.	
	Acute Toxicity, Other Routes:	No data available.	
	Repeated Dose Toxicity:	No data available.	
	Eye & Skin Irritation/Corrosion:	No data available.	
Special remarks on Toxicity to Animals:	Developmental Toxicity/Teratogenicity:	No data available.	
	Bacterial Genetic Toxicity In-Vitro: Gene Mutation:	Tests on bacterial cell cultures did not show mutagenic effects.	
	Non-Bacterial Genetic Toxicity In-Vitro: Chromosomal Aberration:	Tests on mammalian cell cultures did not show mutagenic effects.	
	Toxicity to Reproduction:	No data available	
	Carcinogenicity:	Animal testing did not show any carcinogenic effects. (See NTP List, above in this Section)	
Effects on Humans:	Other Effects:	No data available.	
	Chronic Effects:	No data available.	
	Other Remarks on Effects:	No data available.	

Section XII Ecological Information

Special Remarks (Also in this Section XII, below, see General Ecological Information):	
Environmental Fate:	All components readily enter the normal biosphere.
Environmental Toxicity:	Residual acidity is a minor concern.
Toxicity of the Products of Degradation:	All components readily enter the normal biosphere.
Ecological Effects:	No data available.

Section XIII Disposal Considerations

Always dispose of in accordance with local, state and federal regulations.
Please recycle empty container whenever possible.

Section XIV Transportation Information

	<u>US DOT Domestic (Land)</u>	<u>UN / NA International (Water)</u>
Proper Shipping Name:	SW ⁰ , Corrosive liquid, Acidic, Organic, NOS (contains Lactic Acid)	SW ⁰ , Corrosive liquid, Acidic, Organic, NOS (contains Lactic Acid)
Hazard Class:	DOT Class 8 Corrosive material	8
Identification Number:	UN3265	UN3265
Packing Group (Technical Name):	III	III
Labeling & Placards:	Corrosive	Corrosive
Environmental Hazards:	None	None
Additional Packaging: Truck: DOT specification MC 310, MC 301, MC 302, MC 303, MC304, MC 305, MC 306, MC307, MC 310, MC311, MC 312, MC330, MC 331, DOT 406, DOT 407, and DOT 412 cargo tank motor vehicles. Rail: Class DOT 103, 104, 105, 109, 111, 114, 115, or 120 tank car tanks; Class 106 or 110 multi-unit tank car tanks and AAR Class 203W, 206W, and 211W tank car tanks.	
Notes:	TDG Note (Canada): If product exceeds CERCLA Reportable Quantity, special RQ notation is required.	

Section XV Regulatory Information

Chemical Inventory Status-----

INGREDIENT:	TSCA	EC	Japan	Australia	Korea	Canada DSL NDSL		Philippines
Lactic Acid (79-33-4):	Yes - 8 (d)	Yes	Yes	Yes	Yes	Yes	No	Yes
Ingredient B (Trade Secret):	Yes - 8 (d)	Yes	Yes	Yes	Yes	Yes	No	Yes
Water (7732-18-5):	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes

Federal, State, and International Regulations -----

INGREDIENT:	SARA 302 -- RQ---- TPQ--		- SARA 313 - - List- Chemical Category		CERCLA	RCRA 261.33	TSCA 8 (d)
Lactic Acid (79-33-4):	No	No	No	No	No	No	No
Ingredient B (Trade Secret):	No	No	No	No	No	No	No
Water (7732-18-5):	No	No	No	No	No	No	No

Section XVI Other Information				
NFPA Hazard Ratings:	Health: 2	Flammability: 1	Reactivity: 0	Special Hazards: COR
	0 = Insignificant	1 = Slight	2 = Moderate	3 = High 4 = Extreme
Product Use:	An adjuvant for food processing application.			
Additional Information:	A food grade adjuvant that enhances the reactivity of existing antimicrobials and is deemed safe and suitable for use in process water for fruit and vegetable products [USDA FSIS Directive 7120.1] CA Prop 65: this product does NOT contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.			
Revision Information:	Corrected document name. Dated: May 11, 2016 Date of original release: March 30, 2015			
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