

# Material Safety Data Sheet

Material Name: Mayco STIM-600

ID: MWI-015

## \*\*\* Section 1 - Chemical Product and Company Identification \*\*\*

**Chemical Name:** Mayco STIM-600

**Product Use:** Surfactant

**Manufacturer Information**

Mayco Wellchem, Inc.  
1525 N. Post Oak Road  
Houston, TX 77055

Phone: (713) 688-2602  
Fax: 713-688-3620  
Emergency # 1 (888) 688-4467

## \*\*\* Section 2 - Composition / Information on Ingredients \*\*\*

CAS #	Component	Percent	ACGIH	OSHA
Proprietary	Water	73.2	-----	-----
Proprietary	Sodium chlorite	16.8	-----	-----
Proprietary	Sodium chloride	10.0	-----	-----

----- Indicates not available

**Component Information/Information on Non-Hazardous Components**

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

## \*\*\* Section 3 - Hazards Identification \*\*\*

**Emergency Overview**

WARNING Product is a yellow liquid with a slight chlorine odor. May cause severe irritation or burns to the eyes, skin, gastrointestinal tract, and respiratory system.

**Potential Health Effects: Eyes**

Contact of the eye with vapors, or mist may cause severe irritation and possible burns. Symptoms may include tearing, redness, and in severe cases, eye damage due to burns.

**Potential Health Effects: Skin**

Direct contact with the skin may produce severe skin irritation and/or burns with symptoms of redness, itching and inflammation.

**Potential Health Effects: Ingestion**

Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea. This product may produce corrosive damage to the gastrointestinal tract if it is swallowed. Symptoms may include bleeding and ulceration. Acute ingestion of large quantities may also cause anemia due to the oxidizing effects of the chemical.

**Potential Health Effects: Inhalation**

Inhalation of mists or aerosols may be irritating to the respiratory system.

**Medical Conditions Aggravated**

Exposure may aggravate pre-existing skin, eye, and respiratory disorders. Preexisting liver and kidney disorders.

**HMIS Ratings: Health: 2 Fire: 1 Reactivity: 1 Pers. Prot.:** Protective gloves, chemical goggles

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe \* = Chronic hazard

## \*\*\* Section 4 - First Aid Measures \*\*\*

**First Aid: Eyes**

Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Seek medical attention at once.

**First Aid: Skin**

For skin contact, wash immediately with soap and water. Get immediate medical attention. Wash contaminated clothing before reuse or dispose of properly.

**First Aid: Ingestion**

If the material is swallowed, get immediate medical attention or advice -- Do not induce vomiting. Never give anything by mouth to a victim who is unconscious or is having convulsions.

**First Aid: Inhalation**

Remove exposed subject to fresh air. If breathing is difficult, administer oxygen (by trained personnel only). Get immediate medical attention.

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## First Aid: Notes to Physician

Provide general supportive measures and treat symptomatically. Chlorine dioxide vapors are emitted when this product contacts acids or chlorine. If these vapors are inhaled, monitor patient closely for delayed development of pulmonary edema which may occur up to 48-72 hours post inhalation.

## \* \* \* Section 5 - Fire Fighting Measures \* \* \*

**Flash Point:** Not available

**Method Used:** Not available

**Upper Flammable Limit (UFL):** Not available

**Lower Flammable Limit (LFL):** Not available

**Auto Ignition:** Not available

**Flammability Classification:** Not available

**Rate of Burning:** Not available

### General Fire Hazards

This product contains a component which is an oxidizing agent. If evaporated to dryness, solid residue is an oxidizing agent and may cause spontaneous ignition of combustible materials.

### Hazardous Combustion Products

Upon combustion, this product may yield toxic vapors/fumes of chlorine.

### Extinguishing Media

Use water only. Do not use dry chemicals, carbon dioxide, or foam.

### Fire Fighting Equipment/Instructions

Keep unnecessary people away; isolate hazard area and deny entry. Remove containers exposed to fire if possible; otherwise cool them from the side with water spray. Emergency equipment including self-contained breathing apparatus (SCBA) and full fire fighting turnout gear should be worn by fire fighters.

**NFPA Ratings: Health: 2 Fire: 1 Reactivity: 1**

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

## \* \* \* Section 6 - Accidental Release Measures \* \* \*

### Containment Procedures

In the event of a spill or leak, consult the environmental supervisor immediately. Prevent runoff into sewers, storm drains, surface waters and soil. Isolate the spill and ventilate the area. Confine and contain small spills using inert materials (e.g. paper towels, spill control pillows, absorbent materials.)

### Clean-Up Procedures

Wear appropriate protective equipment and clothing during clean-up. Absorb spill with inert material. Shovel material into approved waste container and dispose of all material in accordance with applicable regulations on waste disposal. In addition, comply with all applicable regulations on spill reporting. Decontaminate the spill area.

### Evacuation Procedures

Close off area. Keep unnecessary personnel away.

### Special Procedures

No information available.

## \* \* \* Section 7 - Handling and Storage \* \* \*

### Handling Procedures

Do not get this material in contact with skin or eyes. Avoid breathing vapors or mists of this product. Wash thoroughly after handling. Use this product with adequate ventilation.

### Storage Procedures

Keep the container tightly closed and in a cool, well-ventilated place.

## \* \* \* Section 8 - Exposure Controls / Personal Protection \* \* \*

### Exposure Guidelines

Follow all applicable exposure limits.

### Engineering Controls

Ventilation should effectively remove and prevent buildup of any vapor or mist generated from the handling of this product.

### PERSONAL PROTECTIVE EQUIPMENT

#### Personal Protective Equipment: Eyes/Face

Wear safety glasses; chemical goggles (if splashing is possible).

#### Personal Protective Equipment: Skin

Impervious gloves should be used at all times when handling this product.

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## Personal Protective Equipment: Respiratory

Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2). A written respiratory protection program including provisions for medical certification, training, fit-testing, exposure assessments, maintenance, inspection, cleaning, and convenient, sanitary storage, must be implemented.

## Personal Protective Equipment: General

No information available

## \*\*\* Section 9 - Physical & Chemical Properties \*\*\*

<b>Appearance:</b>	Yellow	<b>Odor:</b>	Slight chlorine
<b>Physical State:</b>	Liquid	<b>pH:</b>	Not available
<b>Vapor Pressure:</b>	Not available	<b>Vapor Density:</b>	Not available
<b>Boiling Point:</b>	Not available	<b>Melting Point:</b>	Not available
<b>Solubility (H<sub>2</sub>O):</b>	Soluble	<b>Specific Gravity:</b>	Not available

## \*\*\* Section 10 - Chemical Stability & Reactivity Information \*\*\*

### Chemical Stability

This is a stable material.

### Chemical Stability: Conditions to Avoid

Avoid excessive heat and ignition sources.

### Incompatibility

Acids, reducing agents, combustible materials, oxidizers, sulfur, solvents, and paints.

### Hazardous Decomposition

Upon combustion, this product may yield toxic vapors/fumes of chlorine.

### Hazardous Polymerization

Will not occur.

## \*\*\* Section 11 - Toxicological Information \*\*\*

### Acute and Chronic Toxicity

#### A: General Product Information

No data available for the product

Sodium chlorite may cause severe irritation to the eyes and skin and possibly burns. Symptoms of eye irritation include tearing, redness and swelling. Symptoms of skin irritation include redness, itching, swelling, and possible destruction of tissue. Inhalation may cause irritation of the mucous membranes and respiratory tract. Symptoms may include coughing, bloody nose and sneezing. Ingestion may result in irritation of the gastrointestinal tract with nausea, vomiting, lethargy, diarrhea, bleeding or ulceration. Acute ingestion of large quantities may also cause anemia due to the oxidizing effects of the chemical.

#### B: Component Analysis - LD50/LC50

##### Sodium chlorite (Proprietary)

Oral LD50 Rat : 165 mg/kg

Oral LD50 Mouse : 350 mg/kg

##### Sodium chloride (Proprietary)

Inhalation LC50 Rat : >42 gm/m<sup>3</sup>/1H

Oral LD50 Rat : 3 gm/kg

Oral LD50 Mouse : 4 gm/kg

Dermal LD50 Rabbit : >10 gm/kg

### Carcinogenicity

#### A: General Product Information

No data available for the product.

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## B: Component Carcinogenicity

**Sodium chlorite (Proprietary)**

IARC: Monograph 52, 1991 (Group 3 (not classifiable))

## Chronic Toxicity

No information available for the product.

## Epidemiology

No data available for the product

## Neurotoxicity

No data available for the product

## Mutagenicity

No data available for the product

## Teratogenicity

No data available for the product

## Other Toxicological Information

No data available for the product

### \*\*\* Section 12 - Ecological Information \*\*\*

## Ecotoxicity

### A: General Product Information

No data available for this product.

### B: Component Analysis - Ecotoxicity - Aquatic Toxicity

No ecotoxicity data are available for this product's components.

## Environmental Fate

No data available for this product.

### \*\*\* Section 13 - Disposal Considerations \*\*\*

## US EPA Waste Number & Descriptions

### A: General Product Information

If discarded, as supplied, this product may meet the definition of a RCRA ignitable waste, D001. Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

### B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

## Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

### \*\*\* Section 14 - Transportation Information \*\*\*

## US DOT Information

**Shipping Name:** This product is not regulated as a hazardous material for transportation.

### \*\*\* Section 15 - Regulatory Information \*\*\*

## US Federal Regulations

### A: General Product Information

No information available

### B: Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

## State Regulations

### A: General Product Information

No information available

### B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS #	CA	FL	MA	MN	NJ	PA
Sodium chlorite	Proprietary	No	Yes	Yes	No	Yes	Yes

## Other Regulations

### A: General Product Information

No information available.

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## B: Component Analysis - Inventory

Component	CAS #	TSCA	DSL	EINECS
Water	Proprietary	Yes	Yes	Yes
Sodium chlorite	Proprietary	Yes	Yes	Yes
Sodium chloride	Proprietary	Yes	Yes	Yes

## C: Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS #	Minimum Concentration
Sodium chlorite	Proprietary	1%; English Item 1432; French Item 403

## \* \* \* Section 16 - Other Information \* \* \*

### Other Information

Disclaimer: Supplier gives no warranty of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser will make his own tests to determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental and/or consequential property damage arising out of the use of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights. Read the Material Safety Data Sheet before handling product.

### Key/Legend

NA = Not available or Not Applicable.  
ACGIH = American Conference of Governmental Industrial Hygienists.  
TLV = Threshold Limit Value.  
NIOSH = National Institute of Occupational Safety and Health.  
NTP = National Toxicology Program.  
OSHA = Occupational Safety and Health Administration.  
NFPA = National Fire Protection Association.  
HMIS = Hazardous Material Information System.  
CFR = Code of Federal Regulations.  
HEPA = High Efficiency Particulate Air  
EPA = Environmental Protection Agency;  
TSCA = Toxic Substance Control Act;  
ACGIH = American Conference of Governmental Industrial Hygienists;  
IARC = International Agency for Research on Cancer;  
NIOSH = National Institute for Occupational Safety and Health;  
NTP = National Toxicology Program;  
OSHA = Occupational Safety and Health Administration.  
NJTSR = New Jersey Trade Secret Registry.  
C = Ceiling Limit  
STEL = Short term exposure limit  
TWA = Time Weighted Average

This is the end of MSDS # MWI-015