



#### 4. FIRST AID MEASURES

<b>Eye contact</b>	Flush with flowing water for 15 minutes & see physician.
<b>Skin contact</b>	Wash with soap & water for 15 minutes. See physician if burning persists.
<b>Inhalation</b>	Remove to fresh air. If breathing has stopped, apply suitable artificial respiration. Get medical help.
<b>Ingestion</b>	Give milk or water to dilute material; DO NOT induce vomiting. Avoid alcohol. CALL A PHYSICIAN OR POISON CONTROL CENTER IMMEDIATELY; NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.
<b>Notes to physician</b>	Treat symptomatically

#### 5. FIRE-FIGHTING MEASURES

<b>Flammable Properties</b>	Not flammable			
<b>Flash point</b>	none			
<b>Suitable Extinguishing Media</b>	Use water spray or fog, foam, dry chemical, carbon dioxide, alcohol foam, if product is involved.			
<b>Hazardous Combustion Products</b>	If burned, normal combustion products: Carbon dioxide, Carbon monoxide; Nitrous oxides.			
<b>Explosion Data</b>				
<b>Sensitivity to Mechanical Impact</b>	none			
<b>Sensitivity to Static Discharge</b>	none			
<b>Specific hazards arising from the chemical</b>	Use water spray to cool adjacent fire exposed containers.			
<b>Protective Equipment and Precautions for Firefighters</b>	Avoid exposure to fumes or vapors. Wear self-contained positive pressurized breathing apparatus MSHA/NIOSH approved or equivalent to maintain TLV.			
<b>NFPA</b>	Health Hazard 0	Flammability 0	Stability 0	<b>Physical and chemical hazards -</b>
<b>HMIS</b>	Health Hazard 2	Flammability 0	Physical Hazard 0	<b>Personal protection B</b>

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	Ensure adequate ventilation
<b>Environmental precautions</b>	Try to prevent the material from entering drains or water courses
<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so
<b>Methods for cleaning up</b>	Sweep up to suitable containers for disposal.

#### 7. HANDLING AND STORAGE

<b>Advice on safe handling</b>	KEEP OUT OF REACH OF CHILDREN WARNING. Do not get in eyes, on skin or on clothing Remove and wash contaminated clothing before re-use
<b>Technical measures/Storage conditions</b>	Store upright in original closed container.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines**                      Review Section 3 & 4 for Exposure Guidelines.

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium metasilicate 6834-92-0		2mg/m <sup>3</sup>	
Pentasodium triphosphate 7758-29-4		15mg/m <sup>3</sup>	

**Engineering Measures**                      Showers  
Eyewash stations  
Ventilation systems

### Personal Protective Equipment Institutional Environment

**Eye/Face Protection**                      Safety glasses are suggested when using this product in heavy use and institutional environments.

**Consumer Environments**                      Care should be taken to avoid Eye contact.

**Skin and body protection**                      Rubber gloves

**Respiratory protection**                      Unnecessary in open institutional environment.

**Hygiene measures**                              Practice good personal hygiene. Wash after handling.

### Personal Protective Equipment Industrial Environment

**Eye/Face Protection**                      Splash-proof chemical goggles or face shield.

**Skin and body protection**                      Impervious rubber, alkali-proof protective gloves Impervious rubber boots & apron.

**Respiratory protection**                      If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

**Hygiene measures**                              Practice good personal hygiene. Wash after handling. Shower at end of work period  
Practice good personal hygiene. Wash after handling

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Physical state</b>	powder	<b>Odor</b>	Pine
<b>Appearance</b>	powder	<b>Odor Threshold</b>	No information available
<b>Color</b>	orange		
<b>Property</b>	<b>Values</b>	<b>Remarks</b>	<b>Methods</b>
<b>pH</b>	12	No information available	
<b>Melting/freezing point</b>		No information available	
<b>Freezing Point</b>		No information available	
<b>Boiling point/boiling range</b>		No information available	
<b>Flash Point</b>		No information available	
<b>Evaporation rate</b>		No information available	
<b>Flammability (solid, gas)</b>		No information available	
<b>Flammability Limits in Air</b>		No information available	
<b>upper flammability limit</b>			
<b>lower flammability limit</b>			
<b>Explosion Limits</b>			
<b>upper</b>			
<b>lower</b>			
<b>Vapor pressure</b>		No information available	
<b>Vapor density</b>		No information available	

<b>Specific Gravity</b>	1+	No information available
<b>Water solubility</b>	Appreciable	No information available
<b>Solubility in other solvents</b>		No information available
<b>Partition coefficient: n-octanol/water</b>		No information available
<b>Autoignition temperature</b>		No information available
<b>Decomposition temperature</b>		No information available
<b>Viscosity, kinematic</b>		No information available
<b>Viscosity, dynamic</b>		No information available
<b>Explosive properties</b>	No information available	
<b>Oxidizing Properties</b>	No information available	

**9.2 Other information**

<b>Softening point</b>	No information available
<b>Molecular Weight</b>	No information available
<b>VOC Content(%)</b>	No information available
<b>Density VALUE</b>	No information available
<b>Bulk Density VALUE</b>	No information available

**10. STABILITY AND REACTIVITY**

<b>Stability</b>	Stable Store in cool dry place
<b>Incompatible products</b>	Strong acids
<b>Conditions to Avoid</b>	None known based on information supplied
<b>Hazardous Decomposition Products</b>	If burned, normal combustion products: Carbon dioxide, Carbon monoxide; Nitrous oxides.
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur

**11. TOXICOLOGICAL INFORMATION****Acute toxicity**

**Product Information** Product does not present an acute toxicity hazard based on known or supplied information.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium carbonate	4090 mg/kg ( Rat )		
Sodium metasilicate	600 mg/kg ( Rat )		
Pentasodium triphosphate	3100 mg/kg ( Rat )	7940 mg/kg ( Rabbit )	

**Chronic toxicity**

**Target Organ Effects** None known.

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

The environmental impact of this product has not been fully investigated

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates

Sodium carbonate	242: 120 h Nitzschia mg/L EC50	310 - 1220: 96 h Pimephales promelas mg/L LC50 static 300: 96 h Lepomis macrochirus mg/L LC50 static	265: 48 h Daphnia magna mg/L EC50
Sodium metasilicate		210: 96 h Brachydanio rerio mg/L LC50 210: 96 h Brachydanio rerio mg/L LC50 semi-static	216: 96 h Daphnia magna mg/L EC50
Pentasodium triphosphate		1650: 48 h Leuciscus idus mg/L LC50	

### 13. DISPOSAL CONSIDERATIONS

#### Waste Disposal Methods

This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261). This material could become a hazardous waste if it is mixed with or otherwise comes in contact with a hazardous waste, if chemical additions are made to this material, or if the material is processed or otherwise altered. Consult 40 CFR 261 to determine whether the altered material is a hazardous waste. Consult the appropriate state, regional, or local regulations for additional requirements

#### Contaminated packaging

Do not re-use empty containers

Chemical Name	California Hazardous Waste Status
Sodium carbonate	Corrosive

### 14. TRANSPORT INFORMATION

<b>Note</b>	Compounds, Cleaning Powder
<b>Dot</b>	Not regulated
<b>Proper shipping name</b>	Compounds, Cleaning Powder
<b>TDG</b>	Not regulated
<b>MEX</b>	Not regulated
<b>ICAO</b>	Not regulated
<b>ICAO/IATA</b>	Not regulated
<b>IMDG / IMO</b>	Not regulated
<b>RID</b>	Not regulated
<b>ADR/RID</b>	Not regulated
<b>ADN</b>	Not regulated

### 15. REGULATORY INFORMATION

#### International Inventories

TSCA	TSCA
DSL	Complies
NDSL	Complies
EINECS	Complies
ELINCS	-
ENCS	Complies

<b>IECSC</b>	Complies
<b>KECL</b>	Complies
<b>PICCS</b>	Complies
<b>AICS</b>	Complies

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory

**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Commercial Chemical Substances/EU List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

## U.S. Federal Regulations

### SARA 313

Sara Title III (EPCRA) NOTIFICATION: Does not contain chemicals subject of the reporting requirements of Section 302, 304, or 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986.

COMPREHENSIVE ENVIRONMENT RESPONSE, COMPENSATION, AND LIABILITY ACT(CERLA) NOTIFICATION: This does not contain chemical subject to reporting under CERCLA For more information consult 40 CFR parts 302, 355, 370, 372, and 40 CFR part 68.

### SARA 311/312 Hazard Categories

<b>Acute Health Hazard</b>	no
<b>Chronic Health Hazard</b>	no
<b>Fire Hazard</b>	no
<b>Sudden Release of Pressure Hazard</b>	no
<b>Reactive Hazard</b>	no

### Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

### CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Pentasodium triphosphate	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

## U.S. State Regulations

### California Proposition 65

This product does not contain any Proposition 65 chemicals.

## U.S. State Right-to-Know Regulations

## International Regulations

### Canada

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This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

## 16. OTHER INFORMATION

<b>Prepared By</b>	Swisher Hygiene Inc. 4725 Piedmont Row Drive Suite 400 Charlotte, NC 28210
<b>Issuing date</b>	11-Oct-2011
<b>Revision Date</b>	11-Oct-2011
<b>Revision Note</b>	No information available
<b>Disclaimer</b>	

The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

**End of Material Safety Data Sheet**