

# MATERIAL SAFETY DATA SHEET

## SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME Automatic Dish Detergent

PRODUCT CODE

### EMERGENCY TELEPHONE NUMBERS

ISSUE DATE 9-8-08

MANUFACTURER	Alpha Chemical Services Inc.	Transportation: (800) 424-9300 *
STREET ADDRESS	46 Morton Street	* For spill, leak, fire or transport accident emergencies.
CITY, STATE, ZIP	Stoughton, MA 02072	Product Information: (781) 344-8688

## SECTION 2 -- COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS No.	% by wt.	EXPOSURE LIMITS		
			OSHA PEL	ACGIH TLV	NIOSH REL
Sodium carbonate	497-19-8	35.5	Nuisance Dust 5mg/m3 (respirable Fraction) 15 mg/m3(Total Dust)	NE	NE
Silic Acid Sodium Salt	1344-09-8	20	Nuisance Dust 5mg/m3 (respirable Fraction) 15 mg/m3(Total Dust)	NE	NE
Sodium Citrate	68-04-2	15	Nuisance Dust 5mg/m3 (respirable Fraction) 15 mg/m3(Total Dust)	NE	NE
Iminodisuccinic acid sodium salt	144538-83-0	10	Nuisance Dust 5mg/m3 (respirable Fraction) 15 mg/m3(Total Dust)	NE	NE
Sodium Bicarbonate	144-55-8	5	Nuisance Dust 5mg/m3 (respirable Fraction) 15 mg/m3(Total Dust)	NE	NE
Sodium Sulfate	7757-82-6	18.5	Nuisance Dust 5mg/m3 (respirable Fraction) 15 mg/m3(Total Dust)	NE	NE

\*-- Asterisk ingredients are considered hazardous according to the criteria of 29CFR 1910.1200  
Other ingredients are listed for informational purposes to assist emergency medical response personnel.

## SECTION 3 -- HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	Harmful if swallowed. Eye and skin irritant.
--------------------	---

POTENTIAL HEALTH EFFECTS	
<b>INGESTION</b> .....	Caused irritation to the mouth, esophagus, and stomach.
<b>INHALATION</b> .....	May be irritating to mucous membranes and eyes.
<b>EYE CONTACT</b> .....	Eye irritation, watering, redness and swelling.
<b>SKIN CONTACT</b> .....	Can cause skin irritation.

## SECTION 4 -- FIRST AID MEASURES

INGESTION	If swallowed, DO NOT induce vomiting. Remove any residue from the person's mouth. Give 8 to 12 ounces of water. <b>Never give anything by mouth to an unconscious person.</b> Seek medical attention.
INHALATION	Remove subject to a dust free environment and blow nose. If breathing is difficult or has stopped administer artificial respiration. If any irritation is present seek medical attention.
EYE CONTACT	Immediately flush eye with plenty of cool, running water. Remove contact lenses after first five minutes if applicable, and continue flushing for at least 15 minutes. Get medical attention immediately.
SKIN CONTACT	Wash with soap and water. If irritation develops or persists, get medical attention.
NOTE TO PHYSICIAN	Treatment based on judgment of the physician in response to reactions of the patient.

## SECTION 5 -- FIRE FIGHTING MEASURES

FLASH POINT / METHOD	None / N.A.	FLAMMABLE LIMITS	Not flammable or combustible
EXTINGUISHING MEDIA	If involved in a fire, foam, carbon dioxide, dry chemical or water.		
SPECIAL FIRE FIGHTING PROCEDURES	None		
FIRE AND EXPLOSION HAZARDS	None		

## SECTION 6 -- ACCIDENTAL RELEASE MEASURES

RESPONSE TO SPILLS	Sweep up and place in a disposal container. Mop up residue. Do not flush to drain. Prevent material from entering public sewer systems or any waterways. Dispose of waste in accordance with applicable federal, state, and local environmental laws and regulations. Wear appropriate PPE.
--------------------	---

## SECTION 7 -- HANDLING AND STORAGE

HANDLING PRECAUTIONS	Avoid contact with skin or eyes. Do not wear contact lenses without proper eye protection when using this product. Avoid inhalation of dusts.
STORAGE PRECAUTIONS	Store in a cool dry place in properly labeled container.

## SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION

HYGIENIC PRACTICES	Normal procedures for good hygiene. Avoid breathing product dusts. Avoid contact with use solutions.
ENGINEERING CONTROLS	No special ventilation requirements under normal use conditions. Eye wash station in immediate area.

### PERSONAL PROTECTIVE EQUIPMENT

	<b>RESPIRATOR</b>	Not necessary under normal use.
X	<b>GOGGLES / FACE SHIELD</b>	Required; goggles should be chemical splash type
	<b>APRON</b>	Not necessary
X	<b>GLOVES</b>	Required; PVC, Neoprene or Nitrile acceptable
	<b>BOOTS</b>	Not necessary – Use rubber boots for cleaning spills.

## SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	White powder	BOILING POINT	Not applicable
ODOR	None	FREEZING POINT	Not applicable
pH	10 – 10.6 (1% solution)	VAPOR PRESSURE	Not applicable
SPECIFIC GRAVITY	N.A.	VAPOR DENSITY	Not applicable
SOLUBILITY IN WATER	5 to 10 %	EVAPORATION RATE	Not applicable

## SECTION 10 -- STABILITY AND REACTIVITY

CHEMICAL STABILITY		<b>STABLE</b>	X		<b>UNSTABLE</b>	
<b>CONDITIONS TO AVOID</b>	No special precautions beyond standard safe industrial practices. Do not mix with anything but water.					
INCOMPATIBILITY	Contact with acids produces exothermic reaction with release of carbon dioxide gas.					
HAZARDOUS PRODUCTS OF DECOMPOSITION	None					
POLYMERIZATION		<b>WILL NOT OCCUR</b>	X		<b>MAY OCCUR</b>	
<b>CONDITIONS TO AVOID</b>	Not applicable					

## SECTION 11 -- TOXICOLOGICAL INFORMATION

### CARCINOGENICITY

	THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN
X	<b>THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS AND OSHA 29 CFR 1910, Z</b>

### OTHER EFFECTS

<b>ACUTE</b>	Not determined
<b>CHRONIC</b>	Not determined

## SECTION 12 -- ECOLOGICAL INFORMATION

<b>BIODEGRADABILITY</b>		<b>CONSIDERED BIODEGRADABLE</b>	X		<b>NOT BIODEGRADABLE</b>	
<b>BOD / COD VALUE</b>	Not established					
<b>ECOTOXICITY</b>	No data available					

## SECTION 13 -- DISPOSAL CONSIDERATIONS

<b>WASTE DISPOSAL METHOD</b>	The components in Machine Dish Detergent are not listed hazardous waste under 40 CFR 261. However, state and local regulations for waste disposal may be more restrictive. Spilled product should be disposed of in an EPA –approved disposal facility in accordance with applicable national, state and local environmental laws and regulations. Empty containers may be offered for recycling or disposed of in a sanitary landfill.								
<b>RCRA CLASSIFICATION</b>	NOT LISTED								
<b>RECYCLE CONTAINER</b>		<b>YES</b>	X		<b>CODE</b>	2 - HDPE		<b>NO</b>	

## SECTION 14 -- TRANSPORT INFORMATION

<b>DOT CLASSIFICATION</b>		<b>HAZARDOUS</b>			<b>NOT HAZARDOUS</b>	X
<b>DESCRIPTION</b>	Not applicable					

## SECTION 15 -- REGULATORY INFORMATION

### REGULATORY STATUS

	<b>EPA REGISTERED (UNDER FIFRA)</b>	
	<b>FDA REGULATED</b>	
	<b>KOSHER</b>	
	<b>SARA TITLE III MATERIAL</b>	
	<b>USDA AUTHORIZED</b>	

## SECTION 16 -- OTHER INFORMATION

### NFPA CLASSIFICATION

1	<b>BLUE</b>	HEALTH HAZARD
0	<b>RED</b>	FLAMMABILITY
0	<b>YELLOW</b>	REACTIVITY
--	<b>WHITE</b>	SPECIAL HAZARD

Information contained in this MSDS refers only to the specific material designated and does not relate to any process or use involving other materials. This information is based on data believed to be reliable, and the Product is intended to be used in a manner that is customary and reasonably foreseeable. Since actual use and handling are beyond our control, no warranty, express or implied, is made and no liability is assumed by Alpha Chemical Services Inc. Inc., in connection with the use of this information.