MATERIAL SAFETY DATA SHEET

SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME	Automatic Dish Detergentfor Hard Water

PRODUCT CODE	

ISSUE DATE	5-26-11

EMERGENCY TELEPHONE NUMBERS

MANUFACTURER	**Chemblend International**	**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
Potassium carbonate	584-08-7	16-20	Nuisance Dust 5mg/m3 (respirable Fraction) 15 mg/m3(Total Dust)	NE	NE
Iminodisuccinic acid sodium salt	144538-83-0	17-20	Nuisance Dust 5mg/m3 (respirable Fraction) 15 mg/m3(Total Dust	NE	NE

***-- Asterisked 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	
INGESTION.....	Caused irritation to the mouth, esophagus, and stomach.
INHALATION.....	May be irritating to mucous membranes and eyes.
EYE CONTACT.....	Eye irritation, watering, redness and swelling.
SKIN CONTACT.....	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. **Never give anything by mouth to an unconscious person**. Seek medical attention.
INHALATION	Remove subject to a dust free environment and blow nose. If breathing is difficult of 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	Clean up material from spill with suitable absorbent. 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 mists.
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 mist. Avoid contact with use solutions.
ENGINEERING CONTROLS	General ventilation. Eye wash station in immediate area.

PERSONAL PROTECTIVE EQUIPMENT

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

SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Colorless Liquid	BOILING POINT	Not applicable
ODOR	None	FREEZING POINT	Not applicable
pH of concentrate	11.2 -11.4	VAPOR PRESSURE	Not applicable
SPECIFIC GRAVITY	1.0 – 1.1	VAPOR DENSITY	Not applicable
SOLUBILITY IN WATER	Complete	EVAPORATION RATE	Not applicable

SECTION 10 -- STABILITY AND REACTIVITY

CHEMICAL STABILITY		**STABLE**	X		**UNSTABLE**	
CONDITIONS TO AVOID	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		**WILL NOT OCCUR**	X		**MAY OCCUR**	
CONDITIONS TO AVOID	Not applicable					

SECTION 11 -- TOXICOLOGICAL INFORMATION

CARCINOGENICITY

	THIS PRODUCT CONTAINS A KNOWN OR SUSPECTED CARCINOGEN
X	**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**

OTHER EFFECTS

ACUTE	Not determined
CHRONIC	Not determined

SECTION 12 -- ECOLOGICAL INFORMATION

BIODEGRADABILITY		**CONSIDERED BIODEGRADABLE**	X		**NOT BIODEGRADABLE**	
BOD / COD VALUE	Not established					
ECOTOXICITY	No data available					

SECTION 13 -- DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD	State and local regulations for waste disposal should be followed. 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.								
RCRA CLASSIFICATION	NOT LISTED								
RECYCLE CONTAINER		**YES**	X		**CODE**	2 - HDPE		**NO**	

SECTION 14 -- TRANSPORT INFORMATION

DOT CLASSIFICATION		**HAZARDOUS**			**NOT HAZARDOUS**	X
DESCRIPTION	Not applicable					

SECTION 15 -- REGULATORY INFORMATION

REGULATORY STATUS

	EPA REGISTERED (UNDER FIFRA)	
	FDA REGULATED	
	KOSHER	
	SARA TITLE III MATERIAL	
	USDA AUTHORIZED	
X	**EPA RECOGNIZED, DfE PROGRAM**	

SECTION 16 -- OTHER INFORMATION

NFPA CLASSIFICATION

1	**BLUE**	HEALTH HAZARD
0	**RED**	FLAMMABILITY
0	**YELLOW**	REACTIVITY
--	**WHITE**	SPECIAL HAZARD

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