

# MATERIAL SAFETY DATA SHEET

## SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME | Solid Machine Dish

PRODUCT CODE |

ISSUE DATE | 3-12-09

### EMERGENCY TELEPHONE NUMBERS

MANUFACTURER STREET ADDRESS CITY, STATE, ZIP	Alpha Chemical Services Inc. 46 Morton Street Stoughton, MA 02072	Transportation: (800) 424-9300 * * For spill, leak, fire or transport accident emergencies. Product Information: (781) 344-8688
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## SECTION 2 -- COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS No.	% by wt.	EXPOSURE LIMITS		
			OSHA PEL	ACGIH TLV	NIOSH REL
Silicic acid, sodium salt	1344-09-8	5-10	NE	NE	NE
Sodium carbonate	497-19-8	20-30	NE	NE	NE
Iminodisuccinic acid sodium salt	144538-83-0	15-20	NE	NE	NE
Methyl-oxirane polymer with oxirane	9003-11-6	3-10	NE	NE	NE
P(AA/NaHSO3)Na salt	68479-09-4	1-5	NE	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 | May cause skin irritation.

POTENTIAL HEALTH EFFECTS	
<b>INGESTION</b> .....	May cause gastric disturbances.
<b>INHALATION</b> .....	May cause respiratory tract irritation if somehow misted.
<b>EYE CONTACT</b> .....	Causes eye irritation.
<b>SKIN CONTACT</b> .....	Prolonged contact can result in defatting and drying of the skin which may result in skin irritation or dermatitis.

## SECTION 4 -- FIRST AID MEASURES

INGESTION	If swallowed: Rinse mouth and then drink plenty of water. Do not induce vomiting. Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Obtain medical attention.
INHALATION	Inhalation is not an expected route of exposure. If respiratory irritation or distress occurs remove victim to fresh air. Seek medical attention if respiratory irritation or distress continues.
EYE CONTACT	Immediately flush eye with plenty of cool running water. Remove contact lenses after the 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 seek 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	Not Combustible	FLAMMABLE LIMITS	Not flammable or combustible.
EXTINGUISHING MEDIA	Use water, dry extinguishing media, carbon dioxide, foam		
SPECIAL FIRE FIGHTING PROCEDURES	None		
FIRE AND EXPLOSION HAZARDS	Product is slippery.		

## SECTION 6 -- ACCIDENTAL RELEASE MEASURES

RESPONSE TO SPILLS	Do not discharge into drains/surface waters/groundwater. Wear appropriate respiratory protection. Use person protective clothing and rubber boots. Ensure adequate ventilation. Avoid contact with Skin and clothing. Dispose of cleanup in accordance with regulations. For small amounts: Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder, and kieselguhr). For large amounts: Dike spillage. Pump out product.
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## SECTION 7 -- HANDLING AND STORAGE

HANDLING PRECAUTIONS	Wash hands before eating. Keep container tightly closed when not in use.
STORAGE PRECAUTIONS	Store upright in a cool dry place.

## SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION

HYGIENIC PRACTICES	Wear protective clothing as necessary to prevent contact.
ENGINEERING CONTROLS	Good general ventilation should be sufficient to control airborne levels. Facilities using this product should be equipped with an eyewash station.

### PERSONAL PROTECTIVE EQUIPMENT

	<b>RESPIRATOR</b>	Not necessary
X	<b>GOGGLES / FACE SHIELD</b>	Safety glass required.
X	<b>APRON</b>	Keep clothing dry.
X	<b>GLOVES</b>	Chemical resistant protective gloves.
X	<b>BOOTS</b>	Rubber for cleaning spills.

## SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	White solid	BOILING POINT	N/A
ODOR	Bland	FREEZING POINT	Not established
pH at use dilution .3%	10.8	VAPOR PRESSURE	Not applicable
SPECIFIC GRAVITY	1.0	VAPOR DENSITY	Not applicable
SOLUBILITY IN WATER	Complete	EVAPORATION RATE	Not determined

## 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.					
INCOMPATIBILITY	No significant limitations.					
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

<b>MSDS</b>	PRODUCT	Solid Machine Dish	CODE		PAGE 4 OF 4
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## 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	Dispose in accordance with federal, state and local regulations.								
RCRA CLASSIFICATION	NA								
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	

## SECTION 16 -- OTHER INFORMATION

### NFPA CLASSIFICATION

1	BLUE	HEALTH HAZARD
0	RED	FLAMMABILITY
0	YELLOW	REACTIVITY
--	WHITE	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. in connection with the use of this information.