

# MATERIAL SAFETY DATA SHEET

## SECTION 1 -- CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME | Chlor Machine Dish Detergent

PRODUCT CODE | 1091

### EMERGENCY TELEPHONE NUMBERS

ISSUE DATE | 12-15-08

MANUFACTURER	<b>Algonquin Products</b>	Transportation:	<b>(800) 424-9300*</b>
STREET ADDRESS	1355 B-1 West Oak Commons Ln	* For spill, leak, fire or transport accident emergencies.	
CITY, STATE, ZIP	<b>Marietta, GA 30062</b>	Product Information:	<b>(781) 344-8688</b>

## SECTION 2 -- COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENT	CAS No.	% by wt.	OSHA PEL	<u>EXPOSURE LIMITS</u>	
				ACGIH TLV	NIOSH REL
Sodium dichloro-s-triazinetriene dihydrate	51580-86-0	2-3	NE	NE	NE
Sodium carbonate	497-19-8	15-25	NE	NE	NE
Sodium Tripoly phosphate	7758-29-4	15-25	NE	NE	NE
Sodium Sulfate	7757-82-6	40-50	NE	NE	NE
Silicic Acid, Sodium Salt	1344-09-8	5-15	NE	NE	NE
Although OSHA and ACGIH have not established specific exposure limits for the ingredients in this material they have established the following limits for nuisance dusts. OSHA PEL/TWA: Total 10 mg/m3; Respirable 5 mg/m3					

## SECTION 3 -- HAZARDS IDENTIFICATION

<b>EMERGENCY OVERVIEW</b>	Causes skin and eye irritation. Harmful if swallowed.
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POTENTIAL HEALTH EFFECTS	
<b>INGESTION</b> .....	Irritating to mouth, throat and stomach.
<b>INHALATION</b> .....	No vapors, but inhalation of dust would be irritating to respiratory tract, nose, throat, and lungs.
<b>EYE CONTACT</b> .....	Can cause severe eye irritation.
<b>SKIN CONTACT</b> .....	Prolonged or repeated contact may cause skin irritation.

## SECTION 4 -- FIRST AID MEASURES

INGESTION	If swallowed, DO NOT induce vomiting. Immediately drink a large quantity of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.
INHALATION	If exposed to excessive levels of dust, remove to fresh air and get medical attention.
EYE CONTACT	Immediately flush eye with plenty of cool, running water. Remove contact lenses 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	FLAMMABLE LIMITS	Not flammable or combustible
EXTINGUISHING MEDIA	If involved in a fire, foam, carbon dioxide, dry chemical or water.		
SPECIAL FIRE FIGHTING PROCEDURES	U.S.B.M. approved gas mask with proper canister.		
FIRE AND EXPLOSION HAZARDS	This product contains Sodium dichloro-s-triazinetrione dihydrate (4% by weight) whose decomposition products are carbon dioxide, nitrogen, chlorine, and cyanogen chloride. At temperatures over 400°F chlorine containing gases with traces of phosgene may be liberated.		

## SECTION 6 -- ACCIDENTAL RELEASE MEASURES

RESPONSE TO SPILLS	Sweep up and place in a disposal container. Mop up or flush residue to drain with water.
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## SECTION 7 -- HANDLING AND STORAGE

HANDLING PRECAUTIONS	Wash hands before eating. <b>Mix only with water.</b> Keep container tightly closed when not in use. Protect eyes. Wear rubber gloves and safety glasses.
STORAGE PRECAUTIONS	Store in a cool dry place.

## SECTION 8 -- EXPOSURE CONTROLS / PERSONAL PROTECTION

HYGIENIC PRACTICES	Normal procedures for good hygiene.
ENGINEERING CONTROLS	Good general ventilation requirements. Facilities using this product must be equipped with an eyewash station.

### PERSONAL PROTECTIVE EQUIPMENT

	<b>RESPIRATOR</b>	Not normally necessary, use NIOSH respirator for nuisance dust if exposure limits exceeded.
X	<b>GOGGLES / FACE SHIELD</b>	Recommended; goggles should be chemical splash type
X	<b>APRON</b>	Recommended to keep clothing dry during use
X	<b>GLOVES</b>	Required; PVC, Neoprene or Nitrile acceptable
X	<b>BOOTS</b>	Rubber boots are recommended when cleaning floors with detergents.

## SECTION 9 -- PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	White granules	BOILING POINT	Not applicable
ODOR	Bland	FREEZING POINT	Not applicable
pH	10-11.5 (1% solution)	VAPOR PRESSURE	Not applicable
SPECIFIC GRAVITY	N.A.	VAPOR DENSITY	Not applicable
SOLUBILITY IN WATER	Approx. 25% by weight	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.					
INCOMPATIBILITY	Contact with acids and ammoniated detergents will release hazardous chlorine containing vapors. Mix only with water.					
HAZARDOUS PRODUCTS OF DECOMPOSITION	High temperatures e.g. in a fire will release carbon dioxide, nitrogen, chlorine, cyanogen chloride.					
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>	<b>PRODUCT</b>	Chlor Machine Dish Detergent	<b>CODE</b>	1001	<b>PAGE 4 OF 4</b>
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## SECTION 12 -- ECOLOGICAL INFORMATION

<b>BIODEGRADABILITY</b>	<input type="checkbox"/>	<b>CONSIDERED BIODEGRADABLE</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b>NOT BIODEGRADABLE</b>	<input type="checkbox"/>
<b>BOD / COD VALUE</b>	Not established					
<b>ECOTOXICITY</b>	No data available					

## SECTION 13 -- DISPOSAL CONSIDERATIONS

<b>WASTE DISPOSAL METHOD</b>	Small amounts of unused product may be flushed safely to the sanitary sewer with plenty of water. Contact local water board before flushing large amounts. Large amounts may be disposed of in a sanitary landfill check with State and local authorities for restrictions and to ensure of proper disposal of product.								
<b>RCRA CLASSIFICATION</b>	Non-hazardous								
<b>RECYCLE CONTAINER</b>	<input type="checkbox"/>	<b>YES</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<b>CODE</b>	2 - HDPE	<input type="checkbox"/>	<b>NO</b>	<input type="checkbox"/>

## SECTION 14 -- TRANSPORT INFORMATION

<b>DOT CLASSIFICATION</b>	<input type="checkbox"/>	<b>HAZARDOUS</b>	<input type="checkbox"/>	<input type="checkbox"/>	<b>NOT HAZARDOUS</b>	<input checked="" type="checkbox"/>
<b>DESCRIPTION</b>	Not applicable					

## SECTION 15 -- REGULATORY INFORMATION

### REGULATORY STATUS

<input type="checkbox"/>	<b>EPA REGISTERED (UNDER FIFRA)</b>	
<input type="checkbox"/>	<b>FDA REGULATED</b>	
<input checked="" type="checkbox"/>	<b>KOSHER</b>	
<input type="checkbox"/>	<b>SARA TITLE III MATERIAL</b>	
<input type="checkbox"/>	<b>USDA AUTHORIZED</b>	
<input type="checkbox"/>		

## SECTION 16 -- OTHER INFORMATION

### NFPA CLASSIFICATION

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

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