



1.0 Chemical Product and Company Identification:

1.1	Product Name:	Non-Phosphate Dishmachine Detergent
1.2	Product Type:	Machine Dishwash Detergent
1.3	Company	Noramtech Corporation 19 Elmwood Avenue Kansas City, Kansas 66103
1.4	Phone	1-800-643-9070; 1-913-713-4120; Fax 1-913-713-4127
1.5	Emergency	Chemtrec 1-800-424-9300

2.0 Hazardous Components

PRINCIPAL HAZARDOUS COMPOUNDS	CAS #	Wt %	THRESHOLD LIMIT VALUE (UNITS)
Caustic soda beads	1310-73-2	10-20	CORROSIVE
Sodium Metasilicate	6834-92-0	20-40	CORROSIVE

SECTION 313: This product is not known to contain any compound listed and in quantities requiring reporting under SARA Title III Section 313.

CALIFORNIA PROPOSITION 65: This product is not known to contain any material listed under California's Proposition 65.

3.0 Physical Data

3.1	Appearance:	Off-white
3.2	Solubility in water:	Complete
3.3	PH 0.5% Solution	12+
3.4	Boiling Point	NA
3.5	Flash Point	Does not burn
3.6	Vapor Pressure	NA
3.7	Specific Gravity/Density	0.9

4.0 Fire and Explosion Data

4.1	Special Fire Hazards:	Avoid physical contact. Chlorine odor may emanate from heated product. Use NIOSH-approved self-contained breathing apparatus. Wet product is slippery.
4.2	Fire Fighting Methods:	Non-combustible; use extinguishing media for specific fire.
4.3	Unusual Fire and Explosion Hazards:	Flammable hydrogen gas will be liberated if solution comes in contact with metals such as aluminum.

5.0 Reactivity Data

5.1	Stability:	Yes
5.2	Conditions to Avoid:	Prolonged contact with Al will release hydrogen gas. Ammonium-containing compounds release ammonia gas and toxic NCl3 can form
5.3	Hazardous Decomposition Products:	Chlorine gas or carbon monoxide

6.0 Spill or Leak Procedures

6.1	Cleanup and Disposal:	Dispose of solid trash in accordance with local, state and federal regulations. Prior permitting may be required before any detergent chemicals can be put into city sewers.
6.2	Steps to be taken if released or spilled:	Handle only with rubber gloves. Reclaim for use or sweep up and place in container for solid waste disposal.

7.0 Health Hazard Data

7.1	Effects of overexposure:	Eyes: X Skin: X Ingestion: X Inhalation: X Chronic Exposure:
7.2	Signs and Symptoms of Exposure:	Eye and skin irritant. Corrosive to mouth and throat. Ingestion can cause severe and rapid burning of mouth, throat and digestive tract. Mucous membrane irritant.

8.0 First Aid

8.1	Eyes:	Flush with running cool water for 10-15 minutes and see physician immediately.
8.2	Skin:	Wash thoroughly with soap and water. See physician if irritation persists.
8.3	Ingestion:	DO NOT induce vomiting. Give a large amount of water and transport to an emergency center for attention.
8.4	Inhalation:	Remove person to fresh air.

9.0 Protective Measures

9.1	Eyes Protection:	Safety glasses or goggles. Eye wash facility recommended.
9.2	Skin Protection:	Rubber gloves and safety glasses or goggles. DO NOT wear contact lenses.
9.3	Respiratory Protection:	Dust mask if dustiness is a problem
9.4	Ventilation Protection:	Local exhaust and mechanical.

10.0 Special Precautions

10.1	Handling and Storage Precautions:	Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. Remove and launder contaminated clothing before reuse. Avoid breathing dust. Store in dry, well-ventilated place away from other chemicals and potential sources of contamination. Keep containers closed when not in use.
10.2	Transport Information	DOT Class: 55 DOT Proper Shipping Name: Refer to bill of lading or container label for DOT or other transportation hazard classification if any.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any other process. The stated MSDS is reliable to the best of the company's knowledge and believed accurate as of the date indicated. However, no representation, warranty or guarantee of any kind, express or implied, is made as to its accuracy, reliability or completeness and we assume no responsibility for any loss, damage or expense, direct or consequential, arising out of use. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.

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PREPARED BY: Patrick T. Dierker

Dated: January 2, 2008