



1.0 Chemical Product and Company Identification:

1.1	Product Name:	HCL 104 PRE-SOKE
1.2	Product Type:	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)
Sodium metasilicate	6834-92-0	5-9	CORROSIVE
Ethylene glycol n-butyl ether	111-76-2	2-5	OSHA PEL 50ppm

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:	Purple opacified liquid
3.2	Solubility in water:	Complete
3.3	PH 0.5% Solution	11
3.4	Boiling Point	>200F
3.5	Flash Point	175F
3.6	Vapor Pressure	n/a
3.7	Specific Gravity/Density	1.08

4.0 Fire and Explosion Data

4.1	Special Fire Hazards:	Chlorine may emanate from heated product. Use NOISH-approved self contained breathing apparatus.
4.2	Fire Fighting Methods:	Not combustible; use extinguishing media appropriate for specific fire.
4.3	Unusual Fire and Explosion Hazards:	Cool exposed containers with water spray.

5.0 Reactivity Data

5.1	Stability:	Yes
5.2	Conditions to Avoid:	Do not mix with strong acids or oxidants.
5.3	Hazardous Decomposition Products:	Carbon monoxide, oxides of nitrogen and sulfur

6.0 Spill or Leak Procedures

6.1	Cleanup and Disposal:	Dispose of in accordance with local, state, and federal regulations. Prior permitting may be necessary before any detergent may be discharged into city sewers
6.2	Steps to be taken if released or spilled:	Reclaim for use or flush to sewer.

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 cold water for 10-15 minutes and see physician.
8.2	Skin:	Flush thoroughly with running water. See physician if irritation persists.
8.3	Ingestion:	Do NOT induce vomiting. Give a large amount of water and transport to an emergency medical center for immediate attention.
8.4	Inhalation:	Remove person to fresh air.

9.0 Protective Measures

9.1	Eyes Protection:	Safety glasses or goggles. Eye wash facility suggested. DO NOT wear contact lenses.
9.2	Skin Protection:	Chemical resistant gloves for prolonged exposure.
9.3	Respiratory Protection:	None required or needed.
9.4	Ventilation Protection:	Local exhaust, 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. Keep partially used containers closed and away from heat and high humidity. Do not exceed storage temperatures of 100° F.
10.2	Transport Information	DOT Class: 55, not regulated 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.

**Noramtech Corporation
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PREPARED BY: Patrick T. Dierker

Dated: January 2, 2008