



## 1.0 Chemical Product and Company Identification:

1.1	Product Name:	<b>APL 13 Dynamic</b>
1.2	Product Type:	<b>General Purpose Cleaner</b>
1.3	Company	<b>Noramtech Corporation 19 Elmwood Avenue Kansas City, Kansas 66103</b>
1.4	Phone	<b>1-800-643-9070; 1-913-713-4120; Fax 1-913-713-4127</b>
1.5	Emergency	<b>Chemtrec 1-800-424-9300</b>

## 2.0 Hazardous Components

PRINCIPAL HAZARDOUS COMPOUNDS	CAS #	Wt %	THRESHOLD LIMIT VALUE (UNITS)
Sodium metasilicate pentahydrate	6834-92-0	2-4	CORROSIVE
Aqueous Ammonia	1336-21-6	0.2-0.5	25ppm
Ethyleneglycol n-butyl ether	111-76-2	2-4	25ppm
<b>SECTION 313:</b> This product is not known to contain any compound listed and in quantities requiring reporting under SARA Title III Section 313.			
<b>CALIFORNIA PROPOSITION 65:</b> This product is not known to contain any material listed under California's Proposition 65.			

## 3.0 Physical Data

3.1	Appearance:	Clear dark pink liquid
3.2	Solubility in water:	Complete
3.3	PH 0.5% Solution	11+
3.4	Boiling Point	<200 C
3.5	Flash Point	Does not burn
3.6	Vapor Pressure	ND
3.7	Specific Gravity/Density	1.03

## 4.0 Fire and Explosion Data

4.1	Special Fire Hazards:	Always wear NIOSH-approved self-contained breathing apparatus when fighting chemical fires. Strong ammonia odor over product
4.2	Fire Fighting Methods:	Water spray, dry chemical, foam, CO2
4.3	Unusual Fire and Explosion Hazards:	None

## 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, ammonia gas.

## 6.0 Spill or Leak Procedures

6.1	Cleanup and Disposal:	Dispose of solid trash in normal manner. 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:	Flush to sewer

## 7.0 Health Hazard Data

7.1	Effects of overexposure:	<b>Eyes: X Skin: X Ingestion: X Inhalation: X Chronic Exposure:</b>
7.2	Signs and Symptoms of Exposure:	<b>Eye and skin irritant. Mucous membrane irritant</b>

## 8.0 First Aid

8.1	<b>Eyes:</b>	Flush with running cool water for 10-15 minutes and see physician.
8.2	<b>Skin:</b>	Wash thoroughly with soap and water.
8.3	<b>Ingestion:</b>	Drink large amount of water or milk and transport to an emergency medical center for immediate attention.
8.4	<b>Inhalation:</b>	Remove person to fresh air.

## 9.0 Protective Measures

9.1	<b>Eyes Protection:</b>	Safety glasses or goggles.
9.2	<b>Skin Protection:</b>	Chemical resistant gloves for prolonged exposure.
9.3	<b>Respiratory Protection:</b>	To control ammonia odor.
9.4	<b>Ventilation Protection:</b>	Local exhaust

## 10.0 Special Precautions

10.1	<b>Handling and Storage Precautions:</b>	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	<b>Transport Information</b>	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.

**Noramtech Corporation  
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PREPARED BY: Patrick T. Dierker

Dated: January 2, 2008