



**ALPINE**  
**SANITATION & SUPPLIES LTD.**  
**SERVICE FIRST**  
SOLUTION FOR ALL YOUR EXPECTATIONS

**MATERIAL SAFETY DATA SHEET**  
**NAUTILUS PLUS**

**PRODUCT INFORMATION**

PRODUCT NAME: **NAUTILUS PLUS**  
GENERAL/GENERIC NAME: NA  
PRODUCT USE: Solid Dishmachine Detergent  
TDG HAZARD CLASSIFICATION: Limited Quantity  
WHMIS CLASSIFICATION: D2B, C  
MANUFACTURER NAME: Noramtech Corporation  
Kansas City, Kansas 66103  
MANUFACTURER TELEPHONE: 1-800-643-9070, 1-913-713-4120 FAX 1-913-713-4127  
EMERGENCY: Chemtrec 1-800-424-9300  
DISTRIBUTOR NAME AND ADDRESS: Alpine Sanitation & Supplies Ltd.  
24 Ronson Drive, Unit 16  
Etobicoke, Ontario M9W 1B4  
24 HOUR EMERGENCY NO. CANUTEC 613-996-6666

**HAZARDOUS INGREDIENTS**

INGREDIENT	%W/W	CAS.NO	TLV	LD50 / LC50
Sodium Hydroxide	25 - 30	1310-73-2		

**PHYSICAL DATA**

PHYSICAL STATE: Solid  
APPEARANCE AND ODOUR: Off-White solid  
ODOUR THRESHOLD: NA  
SPECIFIC GRAVITY: 1.4  
VAPOUR PRESSURE: NA  
VAPOUR DENSITY: NA  
PH (5% solution): 12+  
EVAPORATION RATE: NA  
INITIAL BOILING POINT: NA  
WATER SOLUBILITY: Complete  
FREEZING POINT: NA

**FIRE OR EXPLOSION HAZARD**

FLASH POINT: NA  
FLAMMABLE LIMITS: NA  
AUTO-IGNITION TEMP: NA  
EXTINGUISHING MEDIA: Water spray, dry chemical, foam, CO2  
SPECIAL FIREFIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing.  
Protect eyes and skin from contact.  
EXPLOSION DATA: NA  
UNUSUAL FIRE AND EXPLOSION HAZARDS: Flammable hydrogen gas will be liberated if solution of product comes in contact with soft metals such as aluminum.

### REACTIVITY DATA

STABILITY: Stable  
INCOMPATIBILITY: Incompatible with ammonia and other cleaning products.  
HAZARDOUS DECOMPOSITION PRODUCTS: Prolonged contact with soft metals will release flammable hydrogen gas.  
HAZARDOUS POLYMERIZATION: Will not occur  
CONDITIONS TO AVOID: Contact with acids will generate heat.

### TOXICOLOGICAL PROPERTIES

THRESHOLD LIMIT VALUE: Oxidizer  
**EFFECTS OF ACCUTE EXPOSURE:**  
SKIN CONTACT: Corrosive to skin. Causes burns.  
EYE CONTACT: Corrosive to eyes. Causes burns.  
INHALATION: Breathing dust may cause irritation of the respiratory tract.  
INGESTION: Corrosive to mouth and throat. Ingestion can cause severe and rapid burning of mouth, throat and digestive tract. Mucous membrane irritant.  
EFFECT OF CHRONIC EXPOSURE: None known  
IRRITANCY OF PRODUCT: Slight  
CARCINOGENICITY: ND  
SENSITIZATION TO MATERIAL: ND  
REPRODUCTION TOXICITY: ND  
TERATOGENICITY: ND  
MUTAGENICITY: ND

### PREVENTATIVE MEASURES

#### PROTECTIVE EQUIPMENT TO BE USED:

RESPIRATORY PROTECTION: Dust mask.  
VENTILATION: General ventilation adequate.  
PROTECTIVE GLOVES: Chemical resistant gloves for prolonged exposure.  
EYE PROTECTION: Safety glasses or goggles  
OTHER PROTECTIVE MEASURES:

**SPILL OR LEAK PROCEDURES:** Contain spills; absorb onto inert material.

**WASTE DISPOSAL INFORMATION:** Dispose of in accordance with local, provincial and federal regulations.

### FIRST AID MEASURES

SKIN CONTACT: Wash thoroughly with soap and water.  
EYE CONTACT: Flush eyes with water for at least 15 minutes. If irritation persists seek medical attention.  
INHALATION: Remove to fresh air.  
INGESTION: Do not induce vomiting. Drink large amounts of water.  
Seek medical attention immediately.

### PREPARATION INFORMATION

DATE REVISED:	October 22, 2008	NA	Not Applicable
DATE PREPARED:	February 11, 2008	ND	No Data Available
PREPARED BY:	Lab Personnel	NE	None Established
PHONE:	(416) 744-2120	NR	Not Regulated

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