

# MATERIAL SAFETY DATA SHEET

## NAUTILUS PLUS



### SECTION 1 – CHEMICAL PRODUCT & COMPANY IDENTIFICATION

PRODUCT NAME: Nautilus Plus  
GENERAL/Generic NAME:  
PRODUCT USE: Solid Dish machine Detergent  
EFFECTIVE DATE: October 6, 2011  
VENDOR NAME AND ADDRESS: Alpine Specialty Chemicals Ltd.  
24 Ronson Drive, Unit 16  
Etobicoke, Ontario M9W 1B4  
613-996-6666  
24 HOUR EMERGENCY NO.

### SECTION 2 – COMPOSITION / INFORMATION INGREDIENTS

INGREDIENT	%W/W	CAS.NO	TLV	OSHA
Sodium Hydroxide	25 - 30	1310-73-2	2 mg/m3	2 mg/m3 (PEL)

### SECTION 3 – HAZARDS IDENTIFICATION

**Route of Entry:**

**Skin Contact:** May cause irritation.

**Eye Contact:** May cause transient irritation.

**Inhalation:** Mist may cause irritation of the respiratory tract.

**Ingestion:** May cause irritation to digestive tract.

**Effects of Acute Exposure:** (see section 11 for Toxicological information).

### SECTION 4 – FIRST AID

**Eyes:** Flush with running water for at least 15 minutes while holding eyelids open. Get medical attention.

**Skin Contact:** Flush contaminated skin with plenty of soap and water. Remove contaminated clothing. Launder contaminated clothing thoroughly before re-use. Seek medical attention if skin is burned or symptoms continue.

**Inhalation:** Remove victim to fresh air. Aid in breathing if necessary. If breathing stops, administer artificial respiration. Seek medical attention. Effects may be delayed for a few hours and aggravated by physical exertion.

**Ingestion:** Give plenty of water to drink to dilute stomach contents. **Do not induce vomiting.** Seek immediate medical attention.

**Note to Physician:** Risk of permanent corneal injury and possible blindness if splashed into eyes.

### SECTION 5 – FIRE FIGHTING MEASURES

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.

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Leak/Spill:** Contain spills; absorb onto inert material.

### SECTION 7 – HANDLING AND STORAGE

**Handling Procedures:** Avoid all skin contact. Ventilate adequately, otherwise wear an appropriate breathing apparatus. Avoid contact with eyes, skin or clothing. . Keep container closed when not in use.

**Storage Procedures:** Keep from freezing. Keep containers closed when not in use.

# MATERIAL SAFETY DATA SHEET

## SECTION 8 – EXPOSURE CONTROLS

### 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

## SECTION 9 – PHYSICAL PROPERTIES

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

## SECTION 10 – STABILITY AND REACTIVITY

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.

## SECTION 11 – TOXICOLOGICAL INFORMATION

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 sever 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

## SECTION 12 – ECOLOGICAL CONSIDERATION

Non permanent effects on ecosystems.

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Waste Disposal:** In accordance with federal, provincial or local government requirements.

# MATERIAL SAFETY DATA SHEET

## **SECTION 14 – TRANSPORT INFORMATION**

**TDG Classification:** Corrosive Liquid, Basic, Inorganic, N.O.S Class 8 UN 1824 PG II ( Sodium Hydroxide)  
Limited Quantity

## **SECTION 15 – REGULATORY INFORMATION**

**WHMIS Classification:** D2B, C,E

## **SECTION 16 – OTHER INFORMATION**

Prepared by: Lab Personnel

Phone: (416) 744-2120

Website: [www.alpinechem.com](http://www.alpinechem.com)

**Disclaimer:**

The information contained in this form is based on data from sources considered technically reliable and has been provided in good faith in accordance with the available material. It is provided as a service to the persons using the product but conditions of use and handling may involve other and additional consideration beyond our control. No warranty, expressed or implied, is made and we will not be liable for any damages, losses, injuries or consequential damages which may result from the use or reliance on any information in this form.