



NATIONAL-PURITY, INC.

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MATERIAL SAFETY DATA SHEET

EMERGENCY PHONE

1-800-228-5635

1-612-672-0022

SECTION 1: PRODUCT IDENTIFICATION

TRADE NAME	PRODUCT TYPE	CODE IDENTIFICATION
H.D. 1000 Detergent	Detergent Blend	#171

DOT SHIPPING NAME: Compound Cleaning Dry

SECTION 2: HAZARDOUS INGREDIENTS

	CAS NUMBER	%	EXPOSURE CRITERIA
Sodium Meta Silicate (Na_2SiO_3)	68.4-92-0	10-20	2 mg/m ² as NaOH

This material contains no hazardous chemicals as established by the Hazard Communication Standard (29CFR1910.1200).

NFPA Hazard Signal:

HMIS:

DOT Hazard Class: Corrosive Solid, N.O.S., (contains: Sodium Metasilicate-Anhydrous), UN1759

EPA Hazard Waste Class: Not Regulated

4=Extreme	Health=2
3=High	Stability=1
2=Moderate	Flammability=0
1=Slight	Special=None
0=Insignificant	

SECTION 3: PHYSICAL DATA

Boiling Point: 760 mm Hg: N/A
Freezing Point: N/A
Specific Gravity (Water=1):
Vapor Density (AIR=1): N/A
% Volatiles By Volume: Nil

Melting Point: N/A
Vapor Pressure @ : N/A
Solubility in Water: Complete
Evaporation Rate (BuAc=1): N/A
pH 1% solution: >7

Appearance & Odor: White free flowing powder.

SYMPTOMS AND EFFECTS OF EXPOSURE:

EYES:	Corrosive to eyes with possible permanent corneal damage.
SKIN:	Corrosive to skin.
INGESTION:	Corrosive to mucous membranes of the mouth, throat, esophagus and stomach.
INHALATION:	Corrosive to mucous membranes of the upper respiratory tract.

MATERIAL SAFETY DATA SHEET (continued)

SECTION 4: FIRE & EXPLOSION HAZARD DATA

FLASH POINT (& METHOD USED)	FLAMMABLE LIMITS IN AIR % BY VOLUME	AUTO IGNITION TEMPERATURE
	Lower N.A.	Upper N.S.

EXTINGUISHING MEDIA: Non-combustible

SPECIAL FIRE FIGHTING PROCEDURES: N/A

UNUSUAL FIRE AND EXPLOSION HAZARD: Self-contained breathing apparatus should be worn by fire fighters in buildings or confined areas where product is stored.

SECTION 5: REACTIVITY DATA

STABILITY (Normal Conditions): Stable Conditions to Avoid: Highly alkaline product.

INCOMPATIBILITY (Materials to Avoid): Avoid contact with acidic materials.

HAZARDOUS DECOMPOSITION PRODUCTS: None

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 6: HEALTH HAZARD INFORMATION

TOXITY INFORMATION: As NaOH use 2 mg/m³
EFFECTS OF OVEREXPOSURE:

EMERGENCY AND FIRST AID PROCEDURES:

EYE: Immediately flush with water for 15 minutes. SEEK MEDICAL ATTENTION IMMEDIATELY.

SKIN: Immediately flush with water for 15 minutes. SEEK MEDICAL ATTENTION IMMEDIATELY.

INGESTION: Give water or milk. DO NOT INDUCE VOMITING. SEEK MEDICAL ATTENTION IMMEDIATELY.

INHALATION: Remove to fresh air. SEEK MEDICAL ATTENTION IMMEDIATELY.

COMMENTS: N.A. = NOT APPLICABLE N.D. = NOT DETERMINED

MATERIAL SAFETY DATA SHEET (continued)

SECTION 7: SPECIAL PROTECTION INFORMATION

Ventilation Requirements: Exhaust ventilation recommended; local exhaust recommended where engineering controls are not feasible and where mists or spray may be generated.

Respiratory Protection (Specify Type): 3M dust mask # 8710

Eye Protection: Face shield and goggles should be worn.

Gloves: Rubber gloves should be worn. Decontaminate with soap and water.

Other Protective Clothing and Equipment: Contaminated clothing should be washed and dried before re-using.

SECTION 8: SPILL OR LEAK PROCEDURES

Steps To Take If Material Is Released Or Spilled: Stop leaks. After containment, shovel up and hold for chemical waste disposal. Flush spill area with water and dispose according to federal, state, and local regulations.

SECTION 9: SPECIAL PRECAUTIONS

Precautions To Be Taken In Handling And Storage: Handle and store as a strong corrosive--like lye or caustic soda.

Other Precautions: Signal word -- **DANGER, CORROSIVE**
Can cause severe burns or permanent damage to skin and eyes.

REVIEWED BY: Steve D. Lemmer
Steve Lemmer

DATE: 9-18-97

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with manufacturer or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

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