



**MATERIAL SAFETY DATA SHEET**  
Penetone® Corporation, 700 Gotham Parkway, Carlstadt, NJ 07072

FORMULA Y1537®

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**SECTION 1 PRODUCT IDENTIFICATION & EMERGENCY INFORMATION**

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PRODUCT NAME: FORMULA Y 1537  
GENERAL USE: Cleaning, degreasing  
PRODUCT DESCRIPTION: Liquid alkaline cleaner  
GENERIC INGREDIENTS: Water, surfactants, builder, coupling agents

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**EMERGENCY TELEPHONE NUMBERS:** PENETONE 201-567-3000  
CHEMTREC 800-424-9300

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**SECTION 2 HAZARDOUS INGREDIENT SECTION**

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This product is nonhazardous as defined in 29 CFR1910.1200.

**OSHA HAZARDOUS INGREDIENTS**

CAS#	EXPOSURE LIMITS 8 hrs. TWA (mg/m <sup>3</sup> )		Supplier
	OSHA PEL	ACGIH TLV	

Contains no hazardous materials

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**SECTION 3 HEALTH INFORMATION & PROTECTION**

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**EMERGENCY OVERVIEW:**

Clear water white liquid with mild odor.  
Can be irritating to skin and eyes.

**POTENTIAL HEALTH EFFECTS:**

**EYE CONTACT:**

Irritating to the eyes on contact only.

**SKIN CONTACT:**

Frequent or prolonged contact may irritate or dry the skin and cause dermatitis. Skin contact may aggravate an existing dermatitis condition.

**INHALATION:**

Inhalation of spray mist may cause irritation to the respiratory tract.

**INGESTION:**

Ingestion may cause irritation to the digestive tract and diarrhea.

**FIRST AID MEASURES:**

**EYE CONTACT:**

Flush eyes with large amounts of water. See physician immediately.

**SKIN CONTACT:**

Flush skin with large amounts of water. Remove contaminated clothing and launder before reuse. If skin irritation develops or persists, consult physician.

**INHALATION:**

Remove person to fresh air. Administer oxygen or artificial respiration as needed. Call a physician immediately.

**INGESTION:**

If swallowed, give plenty of water or milk. Call a physician immediately.

**WORKPLACE EXPOSURE CONTROLS:**

**PERSONAL PROTECTION:**

Splash proof goggles are recommended for all workplace conditions. Rubber gloves are recommended. When spraying this product, rubber boots, aprons, gauntlets, or rain gear should be worn depending on operations.

**VENTILATION:**

None needed under normal use conditions. If the product is being sprayed, a dust mask or particle respirator is recommended.

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**SECTION 4 FIRE & EXPLOSION HAZARDS**

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**FLASH POINT:** None to boiling point (TCC, COC)

**FLAMMABLE LIMITS:** Not applicable

**AUTOIGNITION TEMPERATURE:** Not determined

**GENERAL HAZARD:**

This is a water based product and presents no unusual hazards in a fire.

**FIRE FIGHTING:**

Cool containers with water.

**HAZARDOUS COMBUSTION PRODUCTS:**

Smoke, fumes, and oxides of carbon and nitrogen.

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**SECTION 5 SPILL CONTROL MEASURES**

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**LAND SPILL:**

For small spills, use absorbent material such as towels or absorbent powders. Put all material into proper waste disposal container with lid tightly covered. For larger spills, dike spill, recover free liquid, and use absorbent material to dry area. Rinse area with water. Put all material into appropriate waste containers.

**WATER SPILL:**

Product is water based and water dilutable. Surfactants used in this product are biodegradable. Localized high concentration of product may cause fish kills, but no persistent or long term effects will result. Check with local environmental regulatory agencies for reporting requirements.

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**SECTION 6 HANDLING & STORAGE**

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**STORAGE TEMPERATURE, °F:** ambient. DO NOT STORE ABOVE 120° F. KEEP FROM FREEZING.

**GENERAL:** Do not store near strong acids.

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**SECTION 7 TYPICAL PHYSICAL & CHEMICAL PROPERTIES**

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**BOILING POINT, °F:**

about 212

**EVAPORATION RATE, Acetone = 1:**

equal to water

**SOLUBILITY IN WATER:**

soluble

**SPECIFIC GRAVITY at 75°F:**

1.01

**ODOR AND APPEARANCE:**

clear water white liquid with mild odor

**VAPOR PRESSURE, mm Hg at 20°C:**

equal to water

**VAPOR DENSITY (Air = 1):**

equal to water

**WT% ORGANIC VOLATILES:**

about 5

**pH:**

11-11.5

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**SECTION 8 REACTIVITY DATA**

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**GENERAL:**

This product is stable and hazardous polymerization will not occur.

**INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:**

Strong acids.

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**SECTION 9 REGULATORY INFORMATION**

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**DEPARTMENT OF TRANSPORTATION (DOT):****PROPER SHIPPING NAME:**

Nonhazardous (nonregulated) material

**HAZARD CLASS:** none

**IDENTIFICATION NUMBER:** none

**PACKING GROUP:** not applicable

**LABEL:** not required

**FLASH POINT:** None-to-boil

**pH:** 11-11.5

**TSCA:** The ingredients in this product are listed on the TSCA inventory.

**CERCLA:**

This product contains no reportable CERCLA materials. Contact local authorities to determine if there may be other local reporting requirements.

**RCRA HAZARD CLASS:**

Nonhazardous waste

**SARA TITLE III:**

311/312 HAZARD CATEGORIES:

Acute health

313 REPORTABLE INGREDIENTS:

Diethylene glycol monobutyl ether 111-34-5 about 5 wt %

**NEW JERSEY RIGHT-TO-KNOW INFORMATION:**

This product contains water (CAS 7732-18-5), nonylphenol ethoxylate (CAS 9016-45-9), diethylene glycol monobutyl ether (CAS 112-34-5), and sodium xylene sulfonate (CAS 1300-72-7).

**CALIFORNIA PROPOSITION 65 INFORMATION:**

This product does not contain any chemicals recognized by the state of California to cause cancer and/or birth defects or reproductive harm.

**SCAQMD INFORMATION:**

Is there a photochemically reactive material present? No  
 What is the % by volume of photochemically reactive material? 0  
 What is the VOC content? about 50 g/l  
 What is the vapor pressure of VOC's? less than 0.01 mm Hg @ 20°C

**SECTION 10 NOTES**

**HAZARD RATING SYSTEMS:**

	HMIS	NFPA
HEALTH	1	1
FLAMMABILITY	0	0
REACTIVITY	0	0

KEY  
 4 = Severe  
 3 = Serious  
 2 = Moderate  
 1 = Slight  
 0 = Minimal

**REVISION SUMMARY:**

Change in header

**SUPERSEDES ISSUE DATE:**

December 1, 2000

FOR ADDITIONAL PRODUCT INFORMATION, CONTACT YOUR SALES ENGINEER  
 FOR ADDITIONAL HEALTH/SAFETY INFORMATION, CALL 201-567-3000

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