

APR 10 1994

Product Name: Hoppe's #9 Nitro Powder Solvent

SECTION 13: PHYSICAL DATA

Appearance: Liquid

Color: Pungent odor

Odor: Amber colored

Viscosity CPS @ 25°C: Not Indicated

Boiling Point °F: 250

Vapor Density (Air=1): 4.5

Solubility in Water: Not Indicated

% Volatile by Volume: Not Indicated

Evaporation Rate: Not Indicated

Date of Preparation/Change: January 1, 1994

The information presented herein relates to the specific material described and may not be valid for this material used in combination with any other materials or in any process. This information is, to the best of our knowledge, accurate and reliable on the date compiled. We make no representation, warranty, or guarantee as to its accuracy, reliability or completeness. It is the reader's responsibility to ascertain whether the information supplied is suitable and complete for that person's specific uses.

This material safety data sheet was prepared for Penguin Industries Inc. by The Forum For Scientific Excellence, Inc., 200 Woodport Road, Sparta, New Jersey, 07871-2628. Phone (201) 729-4823.

MATERIAL SAFETY DATA SHEET

Manufacturer's Name: PENGUIN INDUSTRIES INC.

Street Address: AIRPORT INDUSTRIAL MALL

City, State, Zip Code: COATESVILLE, PENNSYLVANIA 19320

Emergency Telephone No.: (610) 384-6000

Speak With: EMERGENCY PERSONNEL

SECTION 1: IDENTITY

Product Name: Hoppe's #9 Nitro Powder Solvent

Synonyms: Famous #9 Solvent

CAS #: Not Applicable (Mixture)

Chemical Family: Petroleum Distillate

Formula: Not Applicable (Mixture)

SECTION 2: SAFETY AND HAZARD RATINGS	RATINGS
Health (Acute-Chronic) 1-2	Minimal 0
Flammability: 3	Slight 1
Reactivity: 0	Moderate 2
Environment (Air-Water-Soil): 1-1-1	Severe 3
Special Hazards: None	Extreme 4
Protective Equipment: Explosion-proof, ventilation equipment, eye and hand wash.	

SECTION 3: EMERGENCY AND FIRST AID PROCEDURES

EYES: Flush eyes with copious amounts of water for at least 15 minutes.

SKIN: Wash thoroughly with soap and water.

INGESTION: Give large amounts of milk or water to dilute. Do NOT induce vomiting. Do not give anything to an unconscious person.

INHALATION: Remove victim to fresh air. If breathing is difficult, give oxygen.

CALL A PHYSICIAN
CONTACT A POISON CONTROL CENTER

SECTION 4: HAZARDOUS INGREDIENTS	NAME	CAS #	%	CARCINOGEN			HAZARD DATA	
				IARC	NTP	OSHA	ACGIH TLV	OSHA PEL
	Ethyl Alcohol	64-17-5	<35.0	No	No	No	1000ppm	1000ppm
	Kerosene	8008-20-6	<35.0	No	No	No	Not Determined	Not Determined
	Trade Secret	Trade Secret	<25.0	No	No	No	100ppm	100ppm
	Organic Ester	Trade Secret	<10.0	No	No	No	Not Determined	Not Determined
	Ammonium Hydroxide	1336-21-6	<3.0	No	No	No	Not Determined	Not Determined

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SECTION 5: FIRE AND EXPLOSION HAZARD DATA

Flash Point 'F' (Closed Cup): 59 (OC)
DOT Hazard Classification: Flammable Liquid
Auto-ignition Temperature 'F': Not Reported
Flammable Limits in Air by Volume LEL: Not Reported
UEL: Not Reported

Extinguishing Media: Carbon dioxide, dry chemical, foam.

Special Fire Fighting Procedures: Use self-contained breathing apparatus and protective clothing.

Unusual Fire and Explosion Hazards: Dangerous when exposed to extreme heat, open flame or powerful oxidizers.

SECTION 6: REACTIVITY DATA (PHYSICAL HAZARDS)

Stability: Stable Unstable

Incompatibility (Material to Avoid): Extreme heat, sparks, open flame, and oxidizers.

Hazardous Decomposition Products: Decomposition emits acrid smoke and fumes.

Hazardous Polymerization: May Occur Should Not Occur

SECTION 7: HEALTH HAZARDS

Primary Route(s) of Entry: Inhalation and Dermal

Signs and Symptoms of Exposure

- a. Overexposure Effects: Headache and dizziness. Lung, skin and eye irritation.
- b. Chronic Effects: Dizziness, weakness, anemia. Effects liver, kidneys, and bone marrow.

1. Inhalation: Causes nausea, cough, headache, dizziness and lung irritation
2. Eyes: May cause irritation if not removed.
3. Skin: Causes dryness and skin irritation.
4. Ingestion: Harmful or fatal if swallowed. Causes gastro-intestinal irritation, weakness, dizziness, headache, pulmonary irritation. Extreme care must be taken to prevent aspiration.
5. Medical Conditions Potentially Aggravated By: Lung, liver, kidney, bone marrow and skin diseases. Susceptible individuals may have an allergic reaction.

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SECTION 8: SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions To Be Taken In Handling/Storage: Keep containers closed when not in use. Do not handle or store near heat, flame or oxidizers. Use in a well-ventilated area. Avoid eye and prolonged skin contact. There should be no smoking where this product is handled or stored.

Hygienic Practices: Wash thoroughly after handling. Use general ventilation to protect your lungs. Do not wear contaminated clothing until thoroughly laundered.

When Material Is Released Or Spilled: Assure slippery conditions are nullified. Cover with an absorbent, sweep up and place in a suitable container. Flush area with water. Dispose of in accordance with local, state and federal regulations.

Waste Disposal Methods: Assure conformity with applicable disposal regulations. Dispose of absorbed material at approved incineration or chemical landfill waste disposal site.

SECTION 9: SPECIAL PROTECTION INFORMATION

Respiratory Protection: Explosion-proof, ventilation equipment.

Skin Protection: Wear gloves.

Eye Protection: Safety goggles.

Other Protective Clothing or Equipment: As needed to prevent repeated/prolonged contact.

SECTION 10: REGULATORY INFORMATION

Refer to the following references:

- California Proposition 65: This product is regulated under California Proposition 65.
CERCLA: Not Applicable
DOT Regulations: 49 CFR 172.101, 172.102, 173.118, 173.119
EPCRA: Not Applicable
NDC 0168-0018-33
OSHA Regulations: 29 CFR 1910.132, 1910.133, 1910.134 if respirator is used.
SARA Title III: This product is subject to SARA Title III reporting requirements: Section 313: Organic Ester (<10%)
Section 311/312: Immediate Health (irritant), Chronic Health and Fire Hazard.
State Right-To-Know Laws: Components of this product are found on the Alaska, California, Florida, Illinois, Massachusetts, Minnesota, Missouri, New Jersey, North Dakota, Pennsylvania, Rhode Island, West Virginia, Wisconsin and Texas state lists.