



# MATERIAL SAFETY DATA SHEET

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NV-80®

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MSDS No.: 2840-707A

## SECTION 1 PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

PRODUCT NAME: NV-80  
GENERAL USE: Degreaser  
PRODUCT DESCRIPTION: Solvent emulsion  
GENERIC INGREDIENTS: Water, aromatic hydrocarbons, surfactants, coupling agents, builders

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

## SECTION 2 HAZARDOUS INGREDIENT SECTION

This product is hazardous as defined in 29 CFR 1910.1200.

OSHA HAZARD: HEALTH

### OSHA HAZARDOUS INGREDIENTS

	CAS#	EXPOSURE LIMITS 8 hrs. TWA (ppm)		Supplier
		OSHA PEL	ACGIH TLV	
Aromatic hydrocarbons	64742-94-5	not established	not established	100
Ethylene glycol monobutyl ether	111-76-2	25 (skin)	25 (skin)	---

## SECTION 3 HEALTH INFORMATION & PROTECTION

### EMERGENCY OVERVIEW:

**Clear amber liquid with aromatic odor.**  
**Can be corrosive to eyes, skin, and respiratory tract.**

### POTENTIAL HEALTH EFFECTS:

#### EYE CONTACT:

May cause irritation or burns to eyes on prolonged contact. High vapor concentrations may be irritating.

#### SKIN CONTACT:

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

#### INHALATION:

High vapor/aerosol concentrations (greater than the TLV) are irritating or may cause burns to the respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects.

#### INGESTION:

Small amounts of this liquid may be drawn into the lungs by either swallowing or vomiting. This may cause severe and delayed health effects such as inflammation of the lungs and infection of the bronchi. Ingestion may cause irritation of or burns to the digestive tract and diarrhea.

**CHRONIC:**

Ethylene glycol monobutyl ether has produced in lab animals damage to red blood cells by inhalation, skin adsorption, and ingestion. Kidney and liver damage has resulted from ingestion. Repeated ingestion only has caused testicular atrophy.

**FIRST AID MEASURES:****EYE CONTACT:**

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

**SKIN CONTACT:**

Flush skin with large amounts of water. Use soap if available. 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, DO NOT INDUCE VOMITING. Use a stomach pump. Call a physician immediately.

**WORKPLACE EXPOSURE CONTROLS:****PERSONAL PROTECTION:**

Safety glasses are recommended for all workplace conditions. Solvent resistant gloves are recommended where prolonged skin exposure is expected. Other protective gear, including splash proof goggles or face shield, rubber boots, aprons, gauntlets, or rain gear should be worn depending on how the product is used.

**VENTILATION:**

None needed under normal use conditions. For enclosed areas, or where large amounts of the product are being used, the use of fans or other mechanical ventilation is recommended. DO NOT MIST THIS PRODUCT. Use coarse spray only.

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**SECTION 4 FIRE & EXPLOSION HAZARDS**

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**FLASH POINT:** None to 200°F TCC

**FLAMMABLE LIMITS:** not determined

**AUTOIGNITION TEMPERATURE:** not determined

**GENERAL HAZARD:**

Can form combustible mixtures above 200°F.  
Containers can rupture and explode under fire conditions due to pressure and vapor buildup.

**FIRE FIGHTING:**

Either allow fire to burn out under controlled conditions or extinguish with water, foam, or dry chemical.  
Cool exposed containers with water spray.

**HAZARDOUS COMBUSTION PRODUCTS:**

Smoke, fumes, and oxides of carbon.

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**SECTION 5 SPILL CONTROL MEASURES**

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**LAND SPILL:**

Eliminate sources of ignition. For small spills, use absorbent material such as towels or absorbent powders. Put all material into proper waste disposal container with lid tightly covered. **Solvent soaked materials may spontaneously combust.** 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:**

Remove product from water surface by skimming or with suitable absorbents. If allowed by local environmental regulatory agencies, you may use a suitable dispersant.

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**SECTION 6 HANDLING & STORAGE**

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

**GENERAL:** Keep away from heat sources, open flames, and other ignition sources. Do not store near strong oxidants.

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**SECTION 7 TYPICAL PHYSICAL & CHEMICAL PROPERTIES**

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**BOILING POINT, °F:**

about 212

**EVAPORATION RATE, n-butyl acetate = 1:**

less than 0.05

**SOLUBILITY IN WATER:**

emulsifies

**SPECIFIC GRAVITY at 75°F:**

0.98

**ODOR AND APPEARANCE:**

clear amber liquid with aromatic odor

**VAPOR PRESSURE, mm Hg at 20°C:**

equal to water

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

about 5

**WT% ORGANIC VOLATILES:**

about 30

**pH:**

12.6

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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 oxidizing agents.

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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:** None**LABEL:** not required**FLASH POINT:** none to 200°F TCC**pH:** 12.6**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:**

D002 Corrosive hazardous waste

**SARA TITLE III:**

**311/312 HAZARD CATEGORIES:**

Acute health

**313 REPORTABLE INGREDIENTS:**

Ethylene glycol monobutyl ether CAS# 111-76-2 <5 wt%

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

This product contains water (CAS# 7732-18-5), aromatic hydrocarbons (CAS# 64742-94-5), potassium fatty acid soap (CAS# not available), ethylene glycol monobutyl ether (CAS# 111-76-2), and alkylphenol ethoxylate (CAS# 9016-45-9).

**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? Yes  
 What is the % by volume of photochemically reactive material? about 30  
 What is the VOC content? 320 g/l  
 What is the vapor pressure of VOC's? less than 1 mm Hg

**SECTION 10 NOTES**

**HAZARD RATING SYSTEMS:**

	HMIS	NFPA	KEY
HEALTH	2	2	4 = Severe
FLAMMABILITY	1	1	3 = Serious
REACTIVITY	0	0	2 = Moderate
			1 = Slight
			0 = Minimal

**REVISION SUMMARY:**

Change in Section 9

**SUPERSEDES ISSUE DATE:**

February 20, 2004

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

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