

**MATERIAL SAFETY DATA SHEET****SECTION 1 CHEMICAL PRODUCT AND COMPANY INFORMATION**

Product Name: NARCO Enviro-Solv  
 Product Number(s): 4040  
 Company Name: North American Research Corporation  
 P.O. Box 1318  
 Lewisville, TX 75067  
 Telephone Numbers: (972) 492-1800, (800) 527-7520, Fax (972) 394-6755  
 Transportation Emergencies: Infotrac (800) 535-5053 (24 hours, everyday)

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**SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS**

OSHA Hazardous Components (29 CFR 1910.1200):

	CAS Registry #	OSHA PEL	ACGIH TLV	Other Limits Rec.	% (Optional)
Petroleum Distillate	64742-47-8	Not established	Not established	300 ppm	<100

**SECTION 3 HAZARDS IDENTIFICATION****POTENTIAL HEALTH EFFECTS****EYE CONTACT:**

Slightly irritating but does not injure eye tissue.

**SKIN CONTACT:**

Frequent or prolonged contact may irritate and cause dermatitis. Low order of toxicity. Skin contact may aggravate an existing dermatitis condition.

**INHALATION:**

High vapor / aerosol concentrations (greater than approximately 700 ppm, attainable at elevated temperatures well above ambient) are irritating to the eyes and respiratory tract, and may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects, including death.

**INGESTION:**

Small amounts of this product aspirated into the respiratory system during ingestion or vomiting may cause mild to severe pulmonary injury, possibly progressing to death. Minimal toxicity.

CARCINOGENICITY: NTP? No IARC Monographs? No OSHA Regulated? No

**SECTION 4 FIRST-AID MEASURES****EYE CONTACT:**

Flush eyes with large amounts of water until irritation subsides. If irritation persists, get medical attention.

**SKIN CONTACT:**

Flush with large amounts of water; use soap if available. Remove contaminated clothing, including shoes, and launder before reuse.

**INHALATION:**

Using proper respiratory protection, immediately remove the affected person from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.

**INGESTION:**

If swallowed, DO NOT induce vomiting. Keep at rest. Get prompt medical attention.

**SECTION 5 FIRE-FIGHTING MEASURES**

FLASHPOINT: 177°F METHOD: PMCC NOTE: Minimum

FLAMMABLE LIMITS: LEL: 1.3 UEL: 8.8 @ 77°F NOTE: Approximate

AUTOIGNITION TEMP: 640°F Note: Approximate

**GENERAL HAZARD:**

Combustible liquid; can form combustible mixtures at temperatures at or above flashpoint.  
 Static discharge; material can accumulate static charges which can cause an incendiary electrical discharge.  
 Empty containers retain product residue (liquid and / or vapor) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death. Empty containers should be completely drained and tightly closed.

**FIRE-FIGHTING:**

Use water spray to cool fire-exposed surfaces and to protect personnel. Isolate fuel supply from fire. Use foam, dry chemical, or water spray to extinguish fire.

**DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS:**

No unusual

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**SECTION 6 ACCIDENTAL RELEASE MEASURES**

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Eliminate sources of ignition. Isolate area and deny entry to unauthorized or unprotected personnel. Stop leak if safe to do so. Avoid runoff into storm sewers and ditches. Contain spill with sand or earth. Do not use combustible materials such as sawdust. Absorb spills with an inert material (e.g., dry sand or earth), then place in a chemical waste container.

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**SECTION 7 STORAGE AND HANDLING**

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**HANDLING:**

Keep containers closed. Loosen closures cautiously before opening. Store in a cool, well ventilated place away from incompatible materials. Keep away from heat, sparks, and flame. Protect materials from direct sunlight. Ground and bond containers when transferring materials. Empty containers may retain hazardous properties. Follow all MSDS / label warnings even after container is emptied.

**STORAGE TEMPERATURE:**

Ambient

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**SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION**

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**EXPOSURE CONTROLS:**

The use of mechanical ventilation is recommended whenever this product is used in a confined space, is heated above ambient temperatures, or is agitated.

**PERSONAL PROTECTION:**

Safety glasses with side shields, long sleeves, and chemical resistant gloves. Use NIOSH / MSHA approved respirator if concentrations are above exposure limits.

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**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

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SPECIFIC GRAVITY: 0.79 @ 60°F

VAPOR PRESSURE: Less than 0.1 @ 68°F

SOLUBILITY IN WATER: Complete

pH: Not applicable

BOILING POINT: 424-484°F (approximate)

FREEZING / MELTING POINT: Less than -76°F

EVAPORATION RATE (Butyl Acetate = 1): Less than 0.01

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**SECTION 10 STABILITY AND REACTIVITY**

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STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

INCOMPATIBILITY (Materials to Avoid): Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Burning may produce carbon monoxide and/or carbon dioxide.

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**SECTION 11 TOXICOLOGICAL INFORMATION**

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No specific data available.

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**SECTION 12 ECOLOGICAL INFORMATION**

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No specific data available.

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**SECTION 13 DISPOSAL CONSIDERATIONS**

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Dispose of in accordance with all federal, state, and local regulations

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**SECTION 14 TRANSPORT INFORMATION**

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U.S. Department of Transportation:

Not regulated as packaged.

For bulk containers greater than 119 gallons, consult current transport regulations.

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**SECTION 15 REGULATORY INFORMATION**

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TSCA: All components of this product are listed on the TSCA inventory.

CERCLA: No special reporting requirements.

SARA TITLE III:

Section 311/312 Hazard Category: Fire (Combustible Liquid)

Section 313 Reportable Ingredients: None

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**SECTION 16 OTHER INFORMATION**

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NFPA / HMIS RATING: Health – 1, Flammability – 2, Reactivity – 1

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