

VM&P Naphtha

MATERIAL SAFETY DATA SHEET

SECTION 1. CHEMICAL PRODUCT & COMPANY IDENTIFICATION

COMPANY IDENTITY: Cumberland Products, Inc.
 COMPANY ADDRESS: 50 Commerce Parkway
 Hodgenville, KY 42748
 COMPANY PHONE: 1-800-223-1918
 CHEMTREC PHONE: 1-800-424-9300
 PRODUCT NAME: VM&P Naphtha HT
 SYNONYM: Solvent Naphtha (Petroleum), Light Aliphatic
 CHEMICAL FAMILY: Hydrocarbon Solvent
 FORMULA: Mixture
 HEALTH HAZARD: 2 FIRE HAZARD: 3 REACTIVITY: 0

SECTION 2A. INGREDIENTS

NO.	COMPOSITION	CAS NO.	PERCENT
P	VM&P Naphtha HT*	64742-89-8	100

*A complex combination of C8 to C9 Hydrocarbons; exact composition will vary.

HMIS HAZARD RATING: Health 1, Fire 3, Reactivity 0

SECTION 2B. ACUTE TOXICITY DATA

	ACUTE ORAL LD50	ACUTE DERMAL LD50	ACUTE INHALATION LD50
**	>8 ml/kg (rat)	>4 ml/kg (rat)	3400 ppm/4H (rat)

** Based upon testing of essentially similar products.

SECTION 3. HEALTH INFORMATION

The health effects noted below are consistent with requirements under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

EYE CONTACT

Liquid is mildly irritating to the eyes. High vapor concentrations may also be irritating.

SKIN CONTACT

Liquid is mildly irritating to the skin. Prolonged or repeated liquid contact can result in defatting and drying of the skin, which may result in skin irritation and dermatitis.

INHALATION

Vapors may be irritating to nose, throat and respiratory tract. High vapor concentrations may cause central nervous system (CNS) depression.

INGESTION

Ingestion of product may result in vomiting; aspiration (breathing) of vomitus into the lungs must be avoided as even small quantities may result in aspiration pneumonitis.

SIGNS AND SYMPTOMS

Irritation as noted above. Early to moderate CNS depression may be evidenced by giddiness, headache, dizziness and nausea; in extreme cases, unconsciousness and death may occur. Aspiration pneumonitis may be evidenced by coughing, labored breathing and cyanosis (bluish skin); in severe cases death may occur.

AGGRAVATED MEDICAL CONDITIONS

Preexisting eye, skin, and respiratory disorders may be aggravated by exposure to this product.

OTHER HEALTH EFFECTS

None.

SECTION 4. OCCUPATIONAL EXPOSURE LIMITS

COMP NO.	PEL/TWA	OSHA		ACGIH		OTHER
		PEL CEILING	TLV/TWA	TLV/STEL		
P	300 PPM		300 PPM		400 P PM*	

*OSHA PEL/STEL

SECTION 5. EMERGENCY AND FIRST AID PROCEDURES

EYE CONTACT

Flush eyes with plenty of water for 15 minutes while holding eyelids open. Get medical attention.

SKIN CONTACT

Remove contaminated clothing/shoes. Flush skin with water. Follow by washing with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned.

INHALATION

Remove victim to fresh air and provide oxygen in breathing is difficult. Give artificial respiration if not breathing. Get medical attention.

INGESTION

Do not induce vomiting! If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Get medical attention.

NOTE TO PHYSICIAN

*If more than 2.0 ml per kg has been ingested and vomiting has not occurred, emesis should be induced with supervision. Keep victim's head below hips to prevent aspiration. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before emesis, gastric lavage using a cuffed endotracheal tube should be considered.

SECTION 6. SUPPLEMENTAL HEALTH INFORMATION

Male rats exposed by prolonged and repeated inhalation to high vapor concentrations of similar solvents showed evidence of kidney damage. The relevance of this effect to man is unknown.

SECTION 7. PHYSICAL DATA

SPECIFIC GRAVITY (H ₂ O = 1):	0.753 @ 60 Deg F
VAPOR PRESSURE, mmHg at F:	26 @ 100 Deg F
SOLUBILITY IN WATER, wt. % at F:	Negligible
VAPOR DENSITY (Air = 1):	3.8
MELTING POINT:	Not available
EVAPORATION RATE (n-butyl acetate = 1):	1.2
BOILING POINT, F:	247 - 282
VOC:	100 % @ 6.20 LB/GAL @ 77 DEG F
APPEARANCE AND ODOR	Light colored liquid. Hydrocarbon odor.

SECTION 8. FIRE AND EXPLOSION HAZARDS

FLASH POINT AND METHOD: 55 DEG F (TCC)

FLAMMABLE LIMITS/PERCENT VOLUME IN AIR: Lower: 1 Upper: 7

EXTINGUISHING MEDIA

Use water fog, dry chemical or CO₂. Do not use a direct stream of water. Product will float and can be reignited on surface of water.

SPECIAL FIRE FIGHTING PROCEDURES AND PRECAUTIONS

Warning. Flammable. Clear fire area of unprotected personnel. Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure NIOSH approved self-contained breathing apparatus. Cool fire exposed containers with water.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Containers exposed to intense heat from fires should be cooled with water to prevent vapor pressure buildup, which could result in container rupture. Container areas exposed to direct flame contact should be cooled with large quantities of water as needed to prevent weakening of container structure.

SECTION 9. REACTIVITY

STABILITY

Stable.

HAZARDOUS POLYMERIZATION

Will not occur.

CONDITIONS AND MATERIALS TO AVOID

Avoid heat, sparks, flame and contact with strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS

Carbon monoxide and unidentified organic compounds may be formed during combustion.

SECTION 10. EMPLOYEE PROTECTION

RESPIRATORY PROTECTION

Avoid prolonged or repeated breathing of vapors. If exposure may or does exceed occupational exposure limits (Sec. 4) use NIOSH –approved respirator to prevent overexposure. In accord with 29 CFR 1910.134 use either an atmospheric-supplying respirator or an air-purifying respirator for organic vapors

PROTECTIVE CLOTHING

Avoid contact with eyes. Wear safety glasses or goggles as appropriate. Avoid prolonged or repeated contact with skin. Wear chemical-resistant gloves and other clothing as required to minimize contact. Test data from published literature and/or glove and clothing manufacturers indicate the best protection is provided by nitrile or polyvinyl alcohol material.

ADDITIONAL PROTECTIVE MEASURES

Use explosion-proof ventilation as required to control vapor concentrations. Air-dry contaminated clothing in a well ventilated area, then launder before reusing.

SECTION 11. ENVIRONMENTAL PROTECTION

SPILL OR LEAK PROCEDURES

Warning. Flammable. Eliminate all ignition sources. Handling equipment must be grounded to prevent sparking. *** LARGE SPILLS *** Evacuate the hazard area of unprotected personnel. Wear appropriate respirator and protective clothing. Shut off source of leak only if safe to do so. Dike and contain. If vapor cloud forms, water fog may be used to suppress; contain run-off. Remove with vacuum trucks or pump to storage/salvage vessels. Soak up residue with an absorbent such as clay, sand or other suitable material; place in non-leaking containers for proper disposal. Flush area with water to remove trace residue; dispose of flush solutions as above. *** SMALL SPILLS *** Take up with an absorbent material and place in non-leaking containers; seal tightly for proper disposal.

SECTION 12. SPECIAL PRECAUTIONS

Keep liquid and vapor away from heat, sparks and flame. Surfaces that are sufficiently hot may ignite even liquid product

in the absence of sparks or flame. Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until all vapors are gone. Vapors may accumulate and travel to ignition sources distant from the handling site; flash-fire can result. Keep containers closed when not in use. Use with adequate ventilation.

Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations on or near containers. Static electricity may accumulate and create a fire hazard. Ground fixed equipment. Bond and ground transfer containers and equipment.

SECTION 13. TRANSPORTATION REQUIREMENTS

DEPARTMENT OF TRANSPORTATION CLASSIFICATION

Class 3 (flammable liquids), II

DOT PROPER SHIPPING NAME

Petroleum distillates, N.O.S. (Petroleum naphtha)

OTHER REQUIREMENTS

UN1268, Guide 128

SECTION 14. OTHER REGULATORY CONTROLS

This product is listed on the EPA/TSCA inventory of chemical substances protection of stratospheric ozone (pursuant to Section 611 of the Clean Air Act Amendments of 1990): per 40 CFR Part 82, this product does not contain nor was it directly manufactured with and class I or Class II ozone depleting substances. In accordance with SARA Title III< Section 313, the Environmental Data Sheet (EDS) should always be copied and sent with the MSDS.

SECTION 15. STATE REGULATORY INFORMATION

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

STATE LISTED COMPONENT	CAS NO.	PERCENT	STATE CODE
Benzene	71-43-2	<30 ppm	MA, CA65C/R

CA = California Haz. Subs. List; CA65C, C65R, CA65C/R = California Safe Drinking Water and Toxics Enforcement Act of 1986 or Proposition 65 List; CT = Connecticut Toxic. Subst. List; FL = Florida Subst. List; IL – Illinois Tox. Subst. List; LA = Louisiana Haz. Subst. List; MA = Massachusetts Subst. List; ME = Maine Haz. Subst. List; MN = Minnesota Haz. Subst. List; NJ = New Jersey Haz. Subst. List; PA – Pennsylvania Haz. Subst. List; RI = Rhode Island Haz. Subst. List. California Proposition 65 Footnote: CA65C = the chemical identified with this code is known to the State of California to cause cancer. CA65R = the chemical identified with this code is known to the State of California to cause birth defects or other reproductive harm. CA65C/R = the chemical identified with this code is known to the State of California to cause both cancer and birth defects or other reproductive harm.

SECTION 16. SPECIAL NOTES

THIS MSDS REVISION HAS CHANGES IN SECTION 15.

The information contained herein is based on the data available to us and is believed to be correct. However, Cumberland Products, Inc. makes no warranty, expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Cumberland Products, Inc. assumes no responsibility for injury from the use of the product described herein.