

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifiers

Product name VM&P Naphtha
CAS number N/A
Synonyms Varnish Maker and Painters Naphtha

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses Solvent.

1.3 Details of the supplier of the safety data sheet

Company Lab Alley, LLC
12501 Pauls Valley Road
Austin, Texas 78737
U.S.A.
Telephone 512-668-9918
Fax 512-886-4008

1.4 Emergency telephone

Emergency Phone # US & Canada: 1-800-535-5053 INFOTRAC
International 1-352-323-3500 INFOTRAC


SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Flammable Liquids	Category 2
Skin Irritation	Category 2
Reproductive Toxicity	Category 2
Specific Target Organ Toxicity (single exposure)	Category 3
Target Organ(s) - Central nervous system	
Aspiration Hazard	Category 1

2.2 GHS Label elements, including precautionary statements

Pictogram	
Signal Word	Danger
Hazard statements	Highly flammable liquid and vapour. May be fatal if swallowed and enters airways. Causes skin irritation. May cause drowsiness or dizziness. Suspected of damaging fertility or the unborn child.
Precautionary statements	<p>Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ ventilating/ lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/ protective clothing/ eye protection/face protection.</p> <p>Response: IF exposed or concerned, get medical advice/attention.</p> <p>IF SWALLOWED: Immediately call a POISON CENTER/doctor. Do NOT induce vomiting.</p> <p>IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/ attention. Wash contaminated clothing before reuse.</p> <p>IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.</p> <p>Fire: In case of fire, use dry sand, dry chemical or alcohol-resistant foam to extinguish.</p> <p>Storage: Store in a well-ventilated place. Keep container tightly closed. Keep cool. Store locked up.</p> <p>Disposal: Dispose of contents/ container to an approved waste disposal plant.</p>

2.3 Hazards not otherwise classified (HNOC) or not covered by GHS

None identified.

SECTION 3: Composition/information on ingredients

3.1 Components

Chemical name	Common name and synonyms	CAS number	Concentration
Naphtha (pet), hydrotreated It	Distillates, pet, It dist hydrotreat process, low-boil; Solvent naphtha (pet), It aliph.	64742-49-0 / 68410-97-9 / 64742-89-8	90-100%
Octane	-	111-65-9	5-10%
Heptane	-	142-82-5	5-10%

SECTION 4: First aid measures

4.1 Description of first-aid measures

General advice

If inhaled	Consult a physician after significant exposure. If unconscious, place in recovery position and seek medical advice.
In case of skin contact	If skin irritation persists, call a physician. If on skin, rinse well with water. If on clothes, remove clothes.
In case of eye contact	Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. Keep eye wide open while rinsing. If eye irritation persists, consult a specialist.
If swallowed	Keep respiratory tract clear. Do not induce vomiting without medical advice. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Take victim immediately to hospital.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms of poisoning may appear several hours later. Symptoms of overexposure may be headache, dizziness, tiredness, nausea, and vomiting.

4.3 Indication of any immediate medical attention and special treatment needed

Move out of dangerous area. Do not leave the victim unattended. Show this safety data sheet to the doctor in attendance.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	Alcohol-resistant foam. Carbon dioxide (CO ₂). Dry chemical.
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Unsuitable extinguishing media High-volume water jet.

5.2 Specific hazards arising from the substance or mixture

Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous Combustion Products: Carbon oxides.

5.3 Special protective equipment and precautions for firefighters

Wear self-contained breathing apparatus for firefighting if necessary. Use personal protective equipment.

5.4 Further information

Flash Point 14 - 18 °C (57 - 64 °F) Closed Cup

Autoignition Temperature 246 - 470 °C

Explosion limits

Upper 7.60%

Lower 0.90%

Sensitivity to Mechanical Impact No information available.

Sensitivity to Static Discharge No information available.

NFPA

Health	Flammability	Instability	Physical hazards
1	3	0	N/A

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.

6.2 Environmental precautions

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains, inform respective authorities.

6.3 Methods and materials for containment and cleaning up

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations.

6.4 Reference to other sections

See Section 13 for disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Precautions on safe handling

Do not spray on a naked flame or any incandescent material. Take necessary action to avoid static electricity discharge (which might cause ignition of organic vapours). Use only explosion-proof equipment. Keep away from open flames, hot surfaces, and sources of ignition. Avoid formation of aerosol. Do not breathe vapours/dust. Avoid exposure - obtain special instructions before use. Avoid contact with skin and eyes. Smoking, eating, and drinking should be prohibited in the application area. Take precautionary measures against static discharges. Provide sufficient air exchange and/or exhaust in work rooms. Open drum carefully as content may be under pressure. Dispose of rinse water in accordance with local and national regulations.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Observe label precautions. Electrical installations / working materials must comply with the technological safety standards.

Incompatibilities

Acids, bases, oxidizing agents.

SECTION 8: Exposure controls/personal protection

8.1 Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Component	Type	Value	
Naphtha (pet), hydrotreated lt	TWA	500 ppm	2,000 mg/m ³
	TWA	400 ppm	1,600 mg/m ³
Octane	TWA	500 ppm	2,350 mg/m ³
	TWA	300 ppm	1,450 mg/m ³
	STEL	375 ppm	1,800 mg/m ³
Heptane	TWA	500 ppm	2,000 mg/m ³
	TWA	400 ppm	1,600 mg/m ³
	STEL	500 ppm	2,000 mg/m ³

US. ACGIH Threshold Limit Values

Component	Type	Value
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Octane	TWA	300 ppm
Heptane	TWA	400 ppm
	STEL	500 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Component	Type	Value	
Octane	TWA	75 ppm	350 mg/m ³
	Ceiling	385 ppm	1,800 mg/m ³
Heptane	TWA	85 ppm	350 mg/m ³
	Ceiling	440 ppm	1,800 mg/m ³

Biological occupational exposure limits

No information available.

8.2 Exposure controls

Appropriate engineering controls

No information available.

Personal protective equipment

Eye/face protection

Eye wash bottle with pure water. Tightly fitting safety goggles.

Skin protection

The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Body Protection

Impervious clothing. Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory protection

No personal respiratory protective equipment normally required. In the case of vapour formation, use a respirator with an approved filter.

Control of environmental exposure

No information available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical State	Liquid
Appearance	Clear/Colorless
Odor	Hydrocarbon-like

Odor Threshold	No information available
pH	No information available
Melting Point/Range	< -60 °C (-76 °F)
Boiling Point/Range	118 - 150 °C (244 - 302 °F)
Evaporation Rate	< 1 (Butyl Acetate = 1)
Flammability (solid)	Not applicable
Flammability or explosive limit	
Upper	7.6 %(V)
Lower	0.9 %(V)
Vapor Pressure	11 - 16.00 mmHg @ 20 °C (68 °F)
Vapor Density	> 4 @ 20 - 25 °C (68 - 77 °F)
Density	0.7601 g/cm ³ @ 15.6 °C (60.1 °F)
Solubility	No information available
Partition coefficient; n-octanol/water	No data available
Autoignition Temp	246 - 470 °C
Decomposition Temp	No information available
Viscosity	< 0.01 mm ² /s @ 40 °C (104 °F), kinematic
Molecular Formula	No information available
Molecular Weight	No information available
VOC Content(%)	No information available
Oxidizing properties	No information available

9.2 Other safety information

No information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Vapours may form explosive mixture with air.

10.4 Conditions to avoid

Keep away from heat, flame, sparks, and other ignition sources. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose containers to heat or sources of ignition.

10.5 Incompatible materials

Acids, bases, oxidizing agents.

10.6 Hazardous decomposition products

Carbon oxides, Sulfur oxides.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Product Information, Component Information

Acute toxicity

No information available.

Skin corrosion/irritation

Irritating to skin.

Serious eye damage/eye irritation

No information available.

Respiratory or skin sensitization

No information available.

Germ cell mutagenicity

Mutagenicity classification not possible from current data.

Carcinogenicity

Component	CAS	IARC	NTP	ACGIH	OSHA	Mexico
Naphtha (pet), hydrotreated It	68410-97-9 64742-49-0 64742-89-8	Not listed	Not listed	Not listed	Not listed	Not listed

Specific target organ toxicity - single exposure

Central nervous system.

Specific target organ toxicity - repeated exposure

No information available.

Reproductive toxicity

Some evidence of adverse effects on sexual function and fertility, based on animal experiments.

Chronic effects

Symptoms of overexposure may be headache, dizziness, tiredness, nausea, and vomiting. Concentrations substantially above the TLV value may cause narcotic effects. Solvents may degrease the skin.

11.2 Additional Information

May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

12.1 Toxicity

Toxic to aquatic life with long lasting effects.

Product		Species	Test Results
Naphtha (pet), hydrotreated It	LC50	Oncorhynchus mykiss	10 mg/L, 96 h
	LC50	Oncorhynchus mykiss	8.2 mg/L, 96 h, semi-static
	LC50	Pimephales promelas	8.2 mg/L, 96 h
	EC50	Daphnia magna	4.5 mg/L, 48 h, Immobilization
	EC50	Pseudokirchneriella subcapitata	3.1 mg/L, 72 h
	EC50	Pseudokirchneriella subcapitata	3.7 mg/L, 96 h, static
	NOELR	Pimephales promelas	2.6 mg/L, 14 d, chronic
	NOELR	Daphnia magna	2.6 mg/L, 21 d, chronic

12.2 Persistence and degradability

No data available.

12.3 Bio accumulative potential

Partition coefficient (Naphtha (pet), hydrotreated It): log Pow: 2.13 - 4.85 (25 °C)

Partition coefficient (Octane): log Pow: 5.15

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

No data available.

12.6 Endocrine disrupting properties

No data available.

12.7 Other adverse effects

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

SECTION 13: Disposal considerations

13.1 Waste Disposal Methods

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waste regulations to ensure complete and accurate classification.

SECTION 14: Transport information

DOT (US)

UN-No

UN1268

Proper Shipping Name PETROLEUM DISTILLATES, N.O.S.
Hazard Class 3
Packing Group II

IMDG

UN-No UN1268
Proper Shipping Name PETROLEUM DISTILLATES, N.O.S.
Hazard Class 3
Packing Group II

IATA

UN-No UN1268
Proper Shipping Name PETROLEUM DISTILLATES, N.O.S.
Hazard Class 3
Packing Group II

SECTION 15: Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not applicable.

CERCLA Hazardous Substance List (40 CFR 302.4)
Listed, Benzene (CAS #71-43-2), RQ: 10 lb.
Listed, Toluene (CAS #108-88-3), RQ: 1000 lb.
Listed, Ethylbenzene (CAS #100-41-4), RQ: 1000 lb.

SARA 304 Emergency release notification
Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)
Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)
SARA 302 Extremely hazardous substance
Not listed.

SARA 311/312 Hazardous
Flammable (gases, aerosols, liquids, or solids).
Skin corrosion or irritation.
Reproductive toxicity.
Specific target organ toxicity (single or repeated exposure).
Aspiration hazard.

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Clean Water Act (CWA)

Listed, Benzene (CAS #71-43-2).

Listed, Toluene (CAS #108-88-3).

Listed, Ethylbenzene (CAS #100-41-4).

Listed, Naphthalene (CAS #91-20-3).

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

Not listed.

US state regulations

US. Massachusetts RTK - Substance List

Listed.

US. New Jersey Worker and Community Right-to-Know Act

Listed.

US. Pennsylvania Worker and Community Right-to-Know Law

Listed.

California Proposition 65

This product can expose you to chemicals including **Ethylbenzene, **Benzene, **Naphthalene, which is/are known to the State of California to cause cancer, and **Toluene, **Benzene, which is/are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information

Issue date: 09/01/2019

Revision 1: 10/25/2024

SECTION 17: Disclaimer

The information provided on this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.