

Safety Data Sheet
Mineral Spirits

SECTION I - IDENTIFICATION

	Pilot Thomas Logistics 201 North Rupert Street Fort Worth, TX 76107 844-785-8326 PERS : 1-800-633-8253 CUSTOMER #1898
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Product Number
Product Name Mineral Spirits
Synonyms
CAS Number 64742-47-8
Date Prepared 9/21/2015
Revision Number 4/17/2020
Recommended Use Petroleum Distillate, N.O.S.

SECTION II - HAZARDOUS IDENTIFICATION

GHS CLASSIFICATION:

Classification

Flammable Liquids Category 4
Aspiration Hazard Category 1

DANGER!

GHS LABEL:



Hazard Statements

H227 Combustible liquid
H304 May be fatal if swallowed and enters airways

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Precautionary Statements

P210	Keep away from heat, hot surfaces, sparks, open flames, and other ignition, sources. No smoking.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331	Do NOT induce vomiting.
P370+378	In case of fire: Use(See Section 5 of SDS) to extinguish.
P403	Store in a well ventilated place.
P405	Store locked up.
P501	Dispose of contents/container to: local/regional/national/international regulations.

SECTION III - COMPOSITION/INFORMATION ON INGREDIENTS

The precise composition of this product is proprietary information. In the event of a medical emergency, a complete disclosure will be provided to medical personnel.

Component Name	CAS #	Component%	OSHA PEL	ACGIH TLV
Petroleum Distillates, Hydrotreated, Light	64742-47-8		500 ppm	500 ppm

SECTION IV - FIRST AID MEASURES

- Contact with eyes:** Wash immediately and continuously with flowing water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.
- Skin contact:** Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use.
- Inhalation:** Remove victim to fresh air. Administer oxygen or artificial respiration if breathing is affected or stopped. Seek immediate medical attention.
Move to fresh air. If symptoms persist, call a physician.
- Ingestion:** If swallowed. Wash out mouth thoroughly with water and give plenty of water to drink. If ingested, call physician or poison control center for most current information. If professional advice is not available, give two glasses of water to drink. Do not induce vomiting. Never induce vomiting or give liquids to a person that is unconscious, having convulsions, or unable to swallow. Seek immediate medical attention.

SECTION V - FIREFIGHTING MEASURES

- Suitable Extinguishing Media:** Carbon Dioxide, dry-chemical or universal type spray foam.
Use dry chemical, Carbon Dioxide, Water Spray, Water Fog, or foam.
- Special Fire Fighting Procedures** Use self-contained breathing apparatus and full bunker gear in fire areas. Evacuate all unprotected personnel from area. Keep containers cool with water fog to minimize swelling taking care not to spread flames with water used for cooling.

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Eliminate all ignition sources if safe to do so. Evacuate area, Fight fire with normal precautions from a reasonable distance.

Unusual Fire Fighting Hazards: Vapors may travel considerable distance to a source of ignition where they can ignite, flashback or explode. May create vapor/air explosion hazard indoors, outdoors or in sewers. If container is not properly cooled, it can explode in the heat of a fire.

Product is flammable and may be ignited by heat, sparks, flames or other sources of ignition (e.g., static electricity, pilot lights or mechanical/electrical equipment). Vapors are heavier than air and may accumulate in low areas. Vapors may travel considerable distance to a source of ignition where they can ignite, flashback or explode. May create vapor/air explosion hazard indoors, outdoors or in sewers. If container is not properly cooled, it can explode in the heat of a fire.

Incomplete combustion and thermolysis may produce gases of varying toxicity such as carbon monoxide, carbon dioxide, various hydrocarbons, aldehydes and soot. These may be highly dangerous if inhaled in confined spaces or at high concentration.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Keep all sources of ignition and hot metal surfaces away from spill or release. Evacuate all unprotected personnel from the area.

Environmental Precautions: Contain spill if it can be done with minimal risk. Prevent liquid from entering drains, sewers or waterways. Notify proper authorities.

Methods for Cleaning Up: Use foam on spills to minimize vapors. Using only non-sparking tools and explosion proof equipment, collect spill on absorbent material and put into approved container.

Water Spill: Stop leak if you can do it without risk. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants.

Eliminate all ignition sources if safe to do so. Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local/ national regulations. (see section 13). Large spills should be collected mechanically (remove by pumping) for disposal. Keep in suitable, closed containers for disposal.

All equipment used when handling this product must be grounded.

Stop leak if you can do it without risk.

Absorb or cover with dry earth, sand or other non-combustible material and transfer to containers.

Use clean non-sparking tools to collect absorb material.

SECTION VII - HANDLING AND STORAGE

Handling and Storage: • NFPA Class II storage.

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- Avoid contact with skin. Prevent small spills and leakage to avoid slip hazard. Material can accumulate static charges which may cause an electrical spark (ignition source). When the material is handled in bulk, an electrical spark could ignite any flammable vapors from liquids or residues that may be present (e.g., during switch-loading operations). Use proper bonding and/or ground procedures. However, bonding and grounds may not eliminate the hazard from static accumulation. Consult local applicable standards for guidance. Additional references include American Petroleum Institute 2003 (Protection Against Ignitions Arising out of Static, Lightning and Stray Currents) or National Fire Protection Agency 77 (Recommended Practice on Static Electricity) or CENELEC CLC/TR 50404 (Electrostatics - Code of practice for the avoidance of hazards due to static electricity).

SECTION VIII - PRECAUTIONS TO CONTROL EXPOSURE / PERSONAL PROTECTION

EXPOSURE LIMITS:

Component Name	CAS #	OSHA PEL	ACGIH TLV
Petroleum Distillates, Hydrotreated, Light	64742-47-8	500 ppm	500 ppm

Engineering Controls: Adequate local or mechanical to reduce vapor or mist to below the PEL or TLV.

Monitoring: Follow accepted work practices for handling a flammable material. Do not eat, drink or smoke in areas where this chemical is used or stored. Have eye wash stations and safety showers readily available.

Personal Protective Equipment (PPE)

Eye Protection: Goggles or approved OSHA device with side shields; do not wear contact lenses when handling this product.
Wear chemical goggles.

Skin Protection: Impervious solvent resistant gloves. Impervious apron and work boots recommend where splashing may occur.
Protective Gloves and proper PPE attire.

Respiratory Protection: Use the proper respirator in areas where the chemical exposure is unknown or above the OSHA PEL or ACGIH TLV.
If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established). An approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA standard 63 FR 1152, January 8, 1998. Respirator type: Air-Purifying respirator with an appropriate, government approved (where applicable), air purifying filter, cartridge or canister, Contact your health and safety professional for applicable requirements for your specific workplace.

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SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Colorless Liquid
Odor	Mild Petroleum/Solvent
pH@25°C	-
Melting/Freezing Point	-
Flashpoint	64°C (147°F) [ASTM D-56]
Specific Gravity	0.79
Solubility	Negligible
Auto-Ignition Temperature	225°C (437°F)
Decomposition Temperature	-
VOC Content	100% (6.58 #/gal)
Odor Threshold	-
Boiling Range	189°C(372°F) -210°C(410°F)
Evaporation Point	0.06(Butyl Acetate=1)
Flammable Limits - Upper	5.3%
Flammable Limits - Lower	0.7%
Vapor Pressure	1.21 mmHg@20°C
Vapor Density (Air=1)	5
Viscosity	1.38cSt (1.38 mm ² /sec) @ 40°C 1.7cSt (1.7mm ² /sec) at 25°C

SECTION X - STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid: Extreme heat , flame, sparks and other ignition sources.

Hazardous Decomposition/Byproducts: Material does not decompose at ambient temperatures.

Hazardous Polymerization: Will not occur.

Polymerization Conditions to Avoid: None known.

Incompatibilities: Strong oxidizing agents

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SECTION XI - TOXICOLOGICAL INFORMATION

Likely Route of Exposure: Routes of entry: inhalation, skin & eyes, ingestion, skin absorption

Inhalation: May be irritating to mucous membranes and respiratory tract

Eye Contact: Causes eye irritation including stinging, watering and redness which may result in corneal injury.

Skin Contact: Contact may cause mild skin irritation including redness, burning and drying/cracking of the skin. No harmful effects from skin adsorption are expected.

Ingestion: Aspiration hazard. Can enter the lungs during swallowing or vomiting and cause chemical pneumonia and edema.

Acute Toxicity Value: See Health Hazards below.

Chronic (Long Term) Effects: CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS: This product has no carcinogens listed by IARD, NTP, NIOSH OSHA or ACGIH, as of this date, greater or equal to 0.1%.

Toxicity:

Component Name	LD50	LC50
Petroleum Distillates, Hydrotreated, Light	Oral - rat - > 5000 mg/kg - Dermal - rabbit - >2000mg/kg	Inhalation - rat - >5 mg/l / 4 h

Reproductive Effects Not Applicable

Teratogenicity Not Applicable

Mutagenicity Not Applicable

Embryotoxicity Not Applicable

Sensitization to Product Not Applicable

Synergistic Products Not Applicable

Carcinogenicity contains Category 2 carcinogen at 0.1 and 1.0 wt.%

SECTION XII - ECOLOGICAL INFORMATION

Ecotoxicity: Information not available.

Mobility: Information not available.

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Degradability: No data available.

BioAccumulation: No data available.

SECTION XIII - WASTE DISPOSAL CONSIDERATIONS

Follow Federal, state, and local regulations. This substance, when discarded, is a hazardous waste due to its ignitability.

SECTION XIV - TRANSPORT INFORMATION

DOT SHIPPING INFORMATION

Proper Shipping Name: Petroleum Distillates. N.O.S. (Mineral Spirits)
Contains: Combustible Liquid
Hazard Class and Label: 3
Identification Number: UN 1268
Packaging Group: III
Other Shipping Info: Combustible liquid. Not DOT regulated in containers of < 119 gallons.

SECTION XV - REGULATORY INFORMATION

TSCA STATUS:..... The components of this product are listed on the TSCA Inventory

SARA TITLE III SECTION 302/304 EXTREMELY HAZARDOUS SUBSTANCE:

No chemicals in this material are subject to the reporting requirements.

SARA TITLE III SECTION 311/312 HAZARD CATEGORIZATION:

Acute	Chronic	Fire	Pressure	Reactive
X	X	X		

SARA TITLE III SECTION 313 SUPPLIER INFORMATION:

No chemicals in this material are subject to the reporting requirements.

CERCLA SECTION 102(a) HAZARDOUS SUBSTANCE:

No chemicals in this material are subject to the reporting requirements.

CALIFORNIA PROPOSITION 65:

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No chemicals in this material are subject to the reporting requirements.

SECTION XVI - OTHER INFORMATION
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HMIS Health: 1
HMIS Flammability: 2
HMIS Reactivity: 0

Additional:

Specification Information

Department issuing data sheet: Compliance Department
Email address: plant@ksolv.com
Training necessary: Training is required per the Occupational Safety and Health Administration (OSHA) Hazard Communication 29 CFR 1910.1200.

Disclaimer:

**HMIS rating involve data and interpretations that vary from company to company. They are intended only for rapid identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this product, all the information contained in this SD must be considered.

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