

Mineral Spirits

SDS Number: 912101

1 PRODUCT AND COMPANY INFORMATION

Product Name: Mineral Spirits
Revision Date: 12/10/2015
SDS Number: 912101
Common Name: Distillates (petroleum), hydrotreated light
CAS Number: Blend
Product Code: 912101
Synonyms: Petroleum hydrocarbon solvent, Mineral spirits 66

Company Identification:

Manufactured for:
LYDEN OIL COMPANY
3711 LeHarps Road
Youngstown, OH 44515

For Product Information: 1-330-792-1100
For Emergencies: 1-800-424-9300
CHEMTREC: 1-800-424-9300 or 1-703-527-3887

2 HAZARDS IDENTIFICATIONSignal Word:**DANGER**Hazard Classes/Categories:

Flammable liquid, Category 3.
Acute toxicity, Inhalation category 4.
Skin irritant, Category 2.

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Serious eye irritation, Category 2B.
Specific target organ toxicity – single exposure, Category 3.
Aspiration hazard, Category 1.

Hazard Statement(s):

H226: Flammable liquid and vapor.
H332: Harmful if inhaled.
H315: Causes skin irritation.
H320: Causes eye irritation.
H304: May be fatal if swallowed and enters airways.
H336: May cause drowsiness or dizziness.

Precaution Statement(s):

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P103: Read label before use.
P280: Wear protective gloves /eye protection/face protection.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P271: Use only outdoors or in a well-ventilated area.
P242: Use only non-sparking tools.
P241: Use explosion-proof electrical/ventilating/light/handling/equipment.
P243: Take precautionary measures against static discharge.
P233: Keep container tightly closed.
P261: Avoid breathing vapors.
P264: Wash hands thoroughly after handling.
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312: Call a POISON CENTER/ doctor if you feel unwell.
P301+310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P331: Do NOT induce vomiting.
P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P302+352: IF ON SKIN: Wash with plenty of soap and water.
P362: Take off contaminated clothing.
P332+313: If skin irritation occurs: Get medical advice/attention.
P305+351+338: IF IN EYES: Rinse cautiously with water for several

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minutes. Remove contact lenses if present and easy to do – continue rinsing.

P337+313: If eye irritation persists get medical advice/attention.

P405: Store locked up.

P403: Store in a well ventilated place.

P501: Dispose of contents/container in accordance with local/regional/national/international regulation.

Other Hazard Statement(s):

-NFPA Ratings:

Health = 1

Fire = 2

Reactivity = 0

Repeated exposure may cause skin dryness or cracking.

3 COMPOSITION / INFORMATION ON INGREDIENTSIngredients:

Mixture of the substances listed below with nonhazardous additions.

Chemical Name	CAS Number	Percentage
C9-C15 Cycloalkanes	N/A	60-100
C9-C15 Alkanes	N/A	15-40

**Any concentration shown as a range is to protect confidentiality or is due to batch variation.*

4 FIRST AID MEASURESDescription of First Aid Measures:

Inhalation:

Remove victim to fresh air and keep at rest in a position comfortable for breathing. If the victim has difficulty breathing or tightness of the chest, is dizzy, vomiting or unresponsive, give oxygen with rescue breathing or CPR as required and transport to the nearest medical facility.



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Skin Contact:

Flush skin with water, wash with soap and water. Remove contaminated clothing. Do not reuse clothing until cleaned. If material is injected under the skin, transport to the nearest medical facility for additional treatment.

Eye Contact:

Rinse opened eye for at least 15 minutes under running water. If symptoms persist, consult medical attention.

Ingestion:

Call a poison center or physician. Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. DO NOT induce vomiting.

Symptoms and Effects, both acute and delayed:

No further relevant data available.

Recommended Actions:

Treat symptomatically. Call a doctor or poison control center for guidance.

5 FIRE FIGHTING MEASURES

Recommended Fire-Extinguishing Equipment:

Use dry powder, foam, or carbon dioxide fire extinguishers. Do NOT use water jet.

Possible Hazards During a Fire:

Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds.

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Recommendations to Firefighters:

Proper protective equipment including breathing apparatus.

6 ACCIDENTAL RELEASE MEASURESPersonal Precautions:

Avoid contact with skin, eyes, and clothing.
Keep away from sources of ignition.

Emergency Procedures:

Contain spilled material, collect in suitable and properly labeled containers.

Environmental Precautions:

Do not allow to reach sewage system or any water course.
Do not allow to enter ground waters.

Cleanup Procedures:

Pick up excess with inert absorbant material.

7 HANDLING AND STORAGEHandling Precautions:

Avoid prolonged or repeated contact with skin.
Avoid inhaling vapour and/or mists. When handling product in drums, safety footwear should be worn and proper handling equipment should be used. Do not cut, weld, drill, grind, braze, or solder container. Keep away from sources of ignition.

Storage Requirements:

Keep container tightly closed and in a cool, well-ventilated area. Keep away from sources of ignition. Store locked up.

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8 EXPOSURE CONTROLS / PERSONAL PROTECTIONExposure Limits:

-Mineral Spirits:

ACGIH TLV – 1200mg/m³ (8 hours)Engineering Controls:

All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

Personal Protective Equipment:In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.
Use safety glasses and gloves.**9 PHYSICAL AND CHEMICAL PROPERTIES**

Color:	Colorless
Physical State:	Liquid
Odor:	Characteristic solvent
Odor Threshold:	Data not available
pH:	Data not available
Melting Point:	-58° C / -72° F
Boiling Point:	Data not available
Boiling Range:	158 to 194° C / 316 to 381° F
Flash Point:	42° C / 107° F (CC Method)
Evaporation Rate:	<1 (butyl acetate = 1)
Flammability:	Data not available
Flammability Limits:	Lower = 0.6% / Upper = 5.5%
Vapor Pressure:	0.03 to 0.06 kPa
Vapor Density:	4.5 (air = 1)
Relative Density:	0.78
Solubilities:	Very slightly water soluble
Partition Coefficient:	Data not available
Auto-Ignition Temperature:	236° C / 456° F
Decomposition Temperature:	Data not available
Viscosity:	Data not available

10 STABILITY AND REACTIVITYStability:

Stable under normal conditions.

Reactivity:

Not reactive under normal conditions.

Conditions to Avoid:

Extreme temperature, sparks, open flame, and direct sunlight.

Hazardous Reactions:

No known hazardous reactions.

Incompatible Materials:

Strong oxidizers

Decomposition Products:

Hazardous decomposition products are not expected to form.

11 TOXICOLOGICAL INFORMATIONRoutes of Exposure:

Skin, eye contact, and inhalation are the primary routes of exposure although exposure may occur following accidental ingestion.

Exposure Effects:

Repeated skin contact may cause dermatitis or an oil acne.



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Measures of Toxicity:

Component Acute Toxicity Estimates:

C9-C15 Alkanes:

In animal studies utilizing mineral spirits containing up to 22% aromatics indicated that the acute central nervous system effects are reversible. Based on existing animal studies, the potential for persistent effects is not clear.

Carcinogenic/Mutagenic Precautions:

Non-carcinogenic and not expected to be mutagenic.

12 ECOLOGICAL INFORMATION

Ecological Precautions:

Avoid exposing to the environment.

Ecological Effects:

No specific environmental or aquatic data available.

13 DISPOSAL CONSIDERATIONS

Disposal Methods:

Dispose of waste material in accordance with all local, state, and federal requirements.

Disposal Containers:

Use properly approved container for disposal.

Special Precautions:

Do not flush to surface waters or drains.



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14 TRANSPORT INFORMATION

UN Number: UN1268
UN Shipping Name: Petroleum Distillates, n.o.s. (Naphtha Solvent)
Transport Hazard Class: 3
Packing Group: III

Environmental Hazards:
Data not available

Bulk Transport Guidance:
Data not available

Special Precautions:
Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

15 REGULATORY INFORMATION

This material and all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substances Control Act.

16 OTHER INFORMATION

Last Revision Date: 12/10/2015

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