

Low Odor Base Solvent

SDS Number: 9072501

1 PRODUCT AND COMPANY INFORMATION

Product Name: Low Odor Base Solvent
Revision Date: 08/19/2016
SDS Number: 9072501
Common Name: Industrial Chemical Solvent
CAS Number: Blend
Product Code: 9072501
Synonyms: Petroleum Hydrocarbon Solvent, High Flash Point

Company Identification:

Manufactured for:
LYDEN OIL COMPANY
3711 LeHarps Drive
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 4.
Skin irritant, Category 2.
Serious eye irritation, Category 2A.

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Specific target organ toxicity – single exposure, Category 3. (CNS)
Aspiration hazard, Category 1.

Hazard Statement(s):

H227: Combustible liquid.
H304: May be fatal if swallowed and enters airways.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H336: May cause drowsiness or dizziness.

Precaution Statement(s):

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P261 Avoid breathing dust/ fume/ gas/ mist/ vapors/spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ eye protection/ face protection.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.
P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
P304 + P340 + P312 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell.
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331 Do NOT induce vomiting.
P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.
P403 + P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents/ container to an approved waste disposal plant.

Other Hazard Statement(s):

-NFPA Ratings:
Health = 2
Fire = 2
Reactivity = 0



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3 COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:

Mixture of the substances listed below with nonhazardous additions.

Chemical Name	CAS Number	Percentage
Distillates (pet), hydrotreated light	64742-47-8	0-100
Solvent naphtha (petroleum), heavy aliph.	64742-96-7	0-100

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

4 FIRST AID MEASURES

Description of First Aid Measures:

Inhalation:

If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

Skin Contact:

Wash off immediately with plenty of water while removing all contaminated clothes and shoes. When symptoms persist or in all cases of doubt seek medical advice. Wash contaminated clothing before re-use.

Eye Contact:

Flush immediately with large amounts of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Gently remove contacts while flushing. Get medical attention if irritation persists.

Ingestion:

If swallowed, call a poison control center or doctor immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.



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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:

COMBUSTIBLE LIQUID NFPA CLASS IIIA: Use carbon dioxide fire extinguishers. Water will be ineffective in fighting an oil fire unless used by experienced fire fighters. Do NOT use high-volume water jet.

Possible Hazards During a Fire:

Do not allow run-off from fire fighting to enter drains or water courses. Do not use a solid water stream as it may scatter and spread fire. Cool closed containers exposed to fire with water spray. Hazardous combustion products may include unidentified organic and inorganic compounds.

Recommendations to Firefighters:

Proper protective equipment including breathing apparatus.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:

Use personal protective equipment.
Ensure adequate ventilation.
Remove all sources of ignition.
Evacuate personnel to safe areas.
Keep people away from and upwind of spill/leak.
Material can create slippery conditions.



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Emergency Procedures:

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

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.
Local authorities should be advised if significant spillages cannot be contained.

Cleanup Procedures:

Contain spillage, and then collect with noncombustible absorbent material, (e.g. sand, earth, diatomaceous earth, Vermiculite) and place in container for disposal according to local / national regulations.
Keep in suitable, closed containers for disposal.

7	HANDLING AND STORAGE
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Handling Precautions:

Handle with care and avoid spillage on the floor.
Do not cut, weld, drill, grind, braze, or solder container. Keep away from heat.
Avoid formation of aerosol.
Smoking, eating and drinking should be prohibited in the application area.
Provide sufficient air exchange and/or exhaust.
Ensure all equipment is electrically grounded before beginning transfer operations.

Storage Requirements:

Prevent unauthorized access.
No smoking.
Keep container tightly closed in a dry and well ventilated place.

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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.

8 EXPOSURE CONTROLS / PERSONAL PROTECTIONExposure Limits:

-Distillates (pet), hydrotreated light AND/OR Solvent naphtha (petroleum), heavy aliph. (>90%):

ACGIH TWA – 200mg/m³ (total vapor)
OSHA P0 TWA – 400ppm, 1600mg/m³
OSHA Z-1 TWA – 500ppm, 2000mg/m³

Engineering Controls:

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

Personal Protective Equipment:

Wash hands before breaks and at the end of work.
In the case of vapour formation use a respirator with an approved filter.
Use safety glasses and gloves. Avoid contact with skin and clothing.

9 PHYSICAL AND CHEMICAL PROPERTIES

Color:	Colorless
Physical State:	Liquid
Odor:	Mild Hydrocarbon
Odor Threshold:	Data not available
pH:	Data not available
Melting Point:	-45° C / -49° F
Boiling Point:	200° C / 392° F
Boiling Range:	200-300° C / 392-572° F
Flash Point:	80-96° C / 176-205° F



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Evaporation Rate:	<0.1 (where Butyl Acetate = 1)
Flammability:	Data not available
Flammability Limits:	Data not available
Vapor Pressure:	0.02-0.06 kPa at 68 °F
Vapor Density:	4.5
Relative Density:	0.821 g/cm ³ at 68° F
Solubilities:	Insoluble in water
Partition Coefficient:	Data not available
Auto-Ignition Temperature:	232° C / 449° F
Decomposition Temperature:	Data not available
Viscosity:	0.1 mm ² /sec (kinematic at 40° C)

10 STABILITY AND REACTIVITY

Stability:

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.

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11 TOXICOLOGICAL INFORMATIONRoutes of Exposure:

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

Exposure 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.

Measures of Toxicity:

Acute oral toxicity:

LD50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity:

No data available

Acute dermal toxicity:

LD50 (Rabbit, male and female): > 2,000 mg/kg

Method: Fixed dose procedure

GLP: yes

Assessment: The substance or mixture has no acute dermal toxicity

Skin corrosion/irritation

Species: Rabbit

Exposure time: 24 h

Method: In vivo

Result: Irritating to skin.

Serious eye damage/eye irritation

Species: Rabbit

Result: Irritating to eyes.

Method: In vivo

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Respiratory or skin sensitization

Test Type: Buehler Test

Exposure routes: Dermal

Species: Guinea pig

Method: In vivo

Result: Did not cause sensitization on laboratory animals.

GLP: yes

STOT- Single Exposure:

Inhalation, Central Nervous System, May cause drowsiness or dizziness. The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects

Carcinogenic/Mutagenic Precautions:

Non-carcinogenic and not expected to be mutagenic.

12 ECOLOGICAL INFORMATIONEcological Precautions:

Avoid exposing to the environment.

Ecological Effects:

Toxicity to fish:

LL50 (Oncorhynchus mykiss (rainbow trout)): 25 mg/l

Exposure time: 96 h

Test Type: static test

Analytical monitoring: yes

Method: OECD Test Guideline 203

GLP: yes

Toxicity to daphnia and other aquatic invertebrates:

EL50 (Daphnia magna (Water flea)): 1.4 mg/l

Exposure time: 48 h

Test Type: static test

Analytical monitoring: yes

Method: OECD Test Guideline 202

GLP: yes

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Toxicity to algae:
EL50 (Pseudokirchneriella subcapitata (green algae)):
1 mg/l
End point: Growth rate
Exposure time: 72 h
Test Type: static test
Analytical monitoring: yes
Method: OECD Test Guideline 201
GLP: yes
Ecotoxicology Assessment

Acute aquatic toxicity:
Toxic to aquatic life.

Chronic aquatic toxicity:
Toxic to aquatic life with long lasting effects.

13 DISPOSAL CONSIDERATIONSDisposal 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.

14 TRANSPORT INFORMATION

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

Environmental Hazards:

Data not available



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Bulk Transport Guidance:

Data not available

Special Precautions:

The flash point for this material is greater than 100 F (38 C). Therefore, in accordance with 49 CFR 173.150(f) non-bulk containers (<450L or <119 gallon capacity) of this material may be shipped as non-regulated when transported solely by land, as long as the material is not a hazardous waste, a marine pollutant, or specifically listed as a hazardous substance.

15	REGULATORY INFORMATION
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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
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Last Revision Date: 08/19/2016

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