

## LPA-210 Solvent

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### SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

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**Trade name** LPA-210 Solvent

**SDS Code:** 99018999921

**Synonyms** Paraffinic Naphthenic Solvent

**Use** Industrial & Institutional cleaning, Industrial use, Lubricants, Water treatment chemical

**Company** RelaDyne, LLC

**Address** 9395 Kenwood Rd, Suite 104  
Blue Ash, OH 45242  
888-830-3156  
www.reladyne.com

**Emergency  
Phone Number** INFOTRAC 800-535-5053

### SECTION 2 HAZARDS IDENTIFICATION

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#### GHS Hazards

Aspiration hazard

Category 1

#### LABEL ELEMENTS

##### Hazard symbols



**Signal word** Danger

**Hazard statements** H304 May be fatal if swallowed and enters airways.

#### Precautionary statements

**Response** P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.  
P331 Do NOT induce vomiting.

**Storage** P405 Store locked up.

**Disposal** P501 Dispose of contents/ container to an approved waste disposal plant.

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### SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

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<u>Components</u>	<u>CAS-No.</u>	<u>Weight percent</u>
Distillates, petroleum, hydrotreated light	64742-47-8	100

See Section 8 for Exposure Guidelines and Section 15 for Regulatory Classifications.

### SECTION 4 FIRST AID MEASURES

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- Eye contact** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
- Skin contact** Wash off immediately with soap and 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.
- Inhalation** Remove to fresh air. If breathing is irregular or stopped, administer artificial respiration. In case of shortness of breath, give oxygen.
- Ingestion** If swallowed, call a poison control centre or doctor immediately. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

### SECTION 5 FIREFIGHTING MEASURES

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#### FLAMMABLE PROPERTIES

**Fire/explosion** NFPA Class IIIB combustible liquid.

**Suitable extinguishing media** Water spray, Foam, Dry chemical, Carbon dioxide (CO<sub>2</sub>)

**Protective equipment and precautions for firefighters** Wear self-contained breathing apparatus and protective suit.

**Further information** Keep containers and surroundings cool with water spray.

### SECTION 6 ACCIDENTAL RELEASE MEASURES

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**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 (see section 13).

### SECTION 7 HANDLING AND STORAGE

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**Safe handling advice** Ensure all equipment is electrically grounded before beginning transfer operations.

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**Storage/Transport temperature** Ambient

**Storage/Transport pressure** Ambient

**Load/Unload temperature** Ambient

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## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### ENGINEERING MEASURES

Air contaminant levels should be controlled below the PEL or TLV for this product (see Exposure Guidelines).

### PERSONAL PROTECTIVE EQUIPMENT

**Eyes** Wear as appropriate: Goggles, Face-shield

**Skin** Wear suitable protective clothing, gloves and eye/face protection.

**Inhalation** Respiratory protection is normally not required except in emergencies or when conditions cause excessive airborne levels of mists or vapors. Use NIOSH approved respiratory protection.

### EXPOSURE GUIDELINES

Contains no substances with occupational exposure limit values., The following standard would apply:, 100 ppm (525 mg/m<sup>3</sup>) for 8-hour TWA (Exposure limits for Petroleum Distillate - Stoddard Solvent)

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## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** liquid;

**Colour** Water-white to straw-yellow

**Form** liquid

**Odour** Hydrocarbons

**Odour Threshold** no data available

**Flash point** Average 109 °C, 229 °F; ASTM D 93;

**Flammability** Upper explosion limit: 7.0 %(V)

Lower explosion limit: 0.5 %(V)

**Boiling point/boiling range** 239 - 276 °C, 464 - 528 °F; ASTM D-86;

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<b>Melting point/range</b>	< -68 °C, < -90 °F; ASTM D-2386;
<b>Auto-ignition temperature</b>	216 °C, 421 °F; ASTM E 659;
<b>Decomposition temperature</b>	no data available
<b>Flammability (solid, gas)</b>	no data available
<b>Vapour pressure</b>	0.02 mm Hg @ 20 °C, 68 °F; API Calculation;
<b>Vapour density</b>	6.7
<b>Density</b>	0.821 g/cm <sup>3</sup> @ 15.5 °C, 60 °F; ASTM D-4052;
<b>Specific gravity</b>	no data available
<b>Water solubility</b>	negligible
<b>Viscosity</b>	4.1 cSt @ 20 °C, 68 °F; ASTM D 445;
<b>pH</b>	no data available
<b>Evaporation rate</b>	no data available
<b>Partition coefficient: n-octanol/water</b>	no data available

**SECTION 10 STABILITY AND REACTIVITY**

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<b>Reactivity</b>	Stable at normal ambient temperature and pressure.
<b>Chemical stability</b>	No decomposition if stored and applied as directed.
<b>Conditions to avoid</b>	Keep away from heat and sources of ignition.
<b>Hazardous decomposition products</b>	Hazardous gases and vapors produced in fire are oxides of carbon.
<b>Materials to avoid</b>	Oxidizing agents
<b>Hazardous polymerisation</b>	None.

**SECTION 11 TOXICOLOGICAL INFORMATION**

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**Additional Remarks** The product itself has not been tested.

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<b>Acute dermal toxicity</b>	LD50 rabbit: 2,000 - 4,000 mg/kg
<b>Acute inhalation toxicity</b>	LC50 rat (4 hours): > 0.5 mg/l All rats survived at indicated concentration.
<b>Acute oral toxicity</b>	LD50 rat: > 5,000 mg/kg
<b>Skin corrosion/irritation</b>	Primary irritation (rabbit): 3.7 (Max. score is 8.0.)
<b>Eye damage/irritation</b>	Primary irritation (rabbit): 3.3 (Max. score is 110.)
<b>Respiratory or skin sensitization</b>	no data available
<b>Germ cell mutagenicity</b>	<b>Genotoxicity in vitro:</b> no data available  <b>Genotoxicity in vivo:</b> no data available  <b>Assessment Mutagenicity:</b> no data available
<b>Reproductive toxicity</b>	<b>Reproductive toxicity:</b> no data available  <b>Assessment Reproductive toxicity:</b> no data available  <b>Teratogenicity:</b> no data available  <b>Assessment teratogenicity:</b> no data available
<b>STOT - single exposure</b>	no data available
<b>STOT - repeated exposure</b>	no data available
<b>Aspiration toxicity</b>	May be fatal if swallowed and enters airways.
<b>Carcinogenicity</b>	<b>Assessment carcinogenicity:</b> Contains no ingredient listed as a carcinogen

## SECTION 12 ECOLOGICAL INFORMATION

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<b>Aquatic toxicity</b>	Not toxic to aquatic organisms (fish, daphnia, algae) up to water solubility.
<b>Toxicity to fish</b>	no data available

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<b>Toxicity to aquatic invertebrates</b>	no data available
<b>Toxicity to algae</b>	no data available
<b>Chronic toxicity to fish</b>	no data available
<b>Chronic toxicity to aquatic invertebrates</b>	no data available
<b>Biodegradation</b>	Readily biodegradable.  OECD Test Guideline 301F (28 d): 74 % Test substance: LPA-210 Solvent
<b>Bioaccumulation</b>	no data available
<b>Mobility in soil</b>	no data available
<b>Other adverse effects</b>	no data available

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## SECTION 13 DISPOSAL CONSIDERATIONS

<b>Waste Code</b>	Any unused product or empty containers may be disposed of as non-hazardous in accordance with state and federal requirements. Re-evaluation of the product may be required by the user at the time of disposal, since the product uses, transformations, mixtures, contamination, and spillage may change the classification. If the resulting material is determined to be hazardous, please dispose in accordance with state and federal (40 CFR 262) hazardous waste regulations.
<b>Disposal methods</b>	Dispose of only in accordance with local, state, and federal regulations.
<b>Empty containers.</b>	Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, triple-rinsed, properly bunged and promptly returned to a drum reconditioner, or properly disposed.

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## SECTION 14 TRANSPORT INFORMATION

<b>DOT</b>	Not regulated.
<b>IATA</b>	Not regulated.
<b>IMDG</b>	Not regulated.

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Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remarks no data available

### SECTION 15 REGULATORY INFORMATION

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#### U.S. FEDERAL REGULATIONS

##### OSHA Hazards (HCS 1994)

Non-hazardous substance

##### TSCA Inventory Listing

###### Components

Distillates, petroleum, hydrotreated light

###### CAS-No.

64742-47-8

##### SARA 302 Status

###### Components

###### CAS-No.

###### Weight percent

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

##### SARA 311/312 Classification

"Immediate (acute) health hazard"

##### SARA 313 Chemical

###### Components

###### CAS-No.

###### Weight percent

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

##### US. EPA CERCLA Hazardous Substances (40 CFR 302)

###### Components

none

###### Reportable Quantity

###### Weight percent

#### INTERNATIONAL REGULATIONS

##### WHMIS Classification

WHMIS hazardous composition: No ingredients are hazardous according to the CPR criteria.

##### European Union

Classification according to Regulation (EU) 1272/2008.

Aspiration hazard, Category 1

Repeated exposure may cause skin dryness or cracking.

##### Australia. Inventory of Chemical Substances (AICS)

Listed

##### Japan. Inventory of Existing and New Chemical Substances (ENCS)

Listed

##### Japan. Industrial Safety & Health Law (ISHL) Inventory

Listed

##### Canada. Domestic Substances List (DSL) Inventory

Listed

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Canadian Non-Domestic Substance Listing (NDSL)	Not listed
European Inventory of Existing Commercial Chemical Substances (EINECS) Listing	Listed
Philippines. Inventory of Chemicals / Chemical Substances (PICCS)	Listed
Korea. Existing Chemicals Inventory (KECI)	Listed
China. Inventory of Existing Chemical Substances (IECSC)	Listed
Mexico. National Inventory of Chemical Substances (INSQ)	Listed
New Zealand. Inventory of Chemicals (NZIoC)	Listed
Switzerland. Inventory of Notified New Substances (CHINV)	Listed
Taiwan. National Existing Chemical Inventory (NECI)	Listed

Please note: The names and CAS numbers which are used for this product in the stated inventories may deviate from the information which is listed in Section 3.

### STATE REGULATIONS

California Prop. 65  
Components  
 none

CAS-No.

## SECTION 16 OTHER INFORMATION

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### HAZARD RATINGS

	<u>Health</u>	<u>Flammability</u>	<u>Physical Hazard/ Instability</u>
HMIS®	1	1	0
NFPA	1	1	0

This Safety Data Sheet is prepared according to the Hazard Communication Standard (CFR29 1910.1200) HazCom 2012. The information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.