



SAFETY DATA SHEET

CLOCK LUBE

1. Identification of Substance and Manufacturer:

Clock Lube PCN: 136

Use: Ultrasonic Clock Lubricant. Use as is. Do not dilute.

Manufacturer: L&R Manufacturing Company, 577 Elm Street, P.O. Box 607, Kearny NJ 07032-0607 USA

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Product information call 201-991-5330 www.lrultrasonics.com

For emergencies involving a spill, leak fire or accident contact CHEMTEL 800-255-3924 within the United States. Or 1-813-248-0585 for international calls.

2. HAZARDS IDENTIFICATION



DANGER! WARNING! FLAMMABLE LIQUID AND VAPOR. MAY BE HARMFUL IF SWALLOWED. MAY AFFECT THE CENTRAL NERVOUS SYSTEM CAUSING DIZZINESS, HEADACHE OR NAUSEA. PROLONG OR REPEATED CONTACT MAY DRY THE SKIN AND CAUSE IRRITATION AND BURNS.

Hazard statements:

H226 Flammable liquid and vapor.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H336 May cause drowsiness or dizziness.

Precautionary statements:

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ ventilating/ lighting/ equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P260 Do not breathe dust/ fume/ gas/ mist/ vapors/ spray.

P264 Wash skin thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/ protective clothing/ eye protection/ face protection

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Percentage
Mineral Spirits (C ₆ H ₆ < 0.1%)	8052-41-3	65-80
Solvent Naphtha Light Aliphatic	64742-89-8	15-30
Polydimethylsiloxanes	63148-62-9	0.5-4.0
Mineral Oil	8042-47-5	0.5-2.0

4. FIRST AID MEASURES

Eye Exposure: Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Seek medical attention.

Skin Exposure: Wash thoroughly with water. If irritation or redness develops, seek medical attention.

Inhalation: If respiratory irritation or distress occurs, move victim to fresh air. Seek medical attention if respiratory irritation or distress continues.

Ingestion: If large quantities are ingested (more than 5 ounces in an adult), induce vomiting, preferably with syrup of Ipecac under the direction of a physician or poison center.

MEDICAL CONDITIONS POSSIBLY AGGRAVATED BY EXPOSURE: Skin contact may aggravate existing skin disease.

5. FIRE FIGHTING MEASURES

FIRE HAZARD DATA: FLAMMABLE LIQUID

Suitable Extinguishing Media: Extinguish with dry chemical, CO₂ or a BC/ABC extinguisher.

Unsuitable Extinguishing Media: Do not use a solid stream of water, since the stream will scatter and spread the fire. Water spray may be used to keep fire exposed containers cool.

Special Fire Fighting Procedures: Wear full protective clothing and self-contained breathing apparatus (SCBA) approved for fire fighting.
Unusual Fire and Explosion Hazards: Closed containers may explode due to build up of pressure when exposed to extreme heat.
Hazardous Decomposition Materials: (under fire conditions) Oxides of nitrogen and carbon.

6. ACCIDENTAL RELEASE MEASURES

Cleanup and Disposal of Spill: Ventilate area of spill. Use non-reactive material to pick up spill. Dispose of in accordance with local, state and federal regulations.
Environmental and Regulatory Reporting: Not required

7. HANDLING AND STORAGE

Minimum/Maximum Storage Temperatures: 39 to 100 ° F.
HANDLING: AVOID CONTACT WITH SKIN, EYES OR CLOTHING

8. EXPOSURE CONTROL/PERSONAL PROTECTION

General: These recommendations provide general guidance for handling of this product. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. When developing safe handling procedure do not overlook the need to clean and dispose of the material. Waste resulting from the use of this product should be handled in accordance with Section 13: Disposal Considerations.

Exposure Guidelines: Exposure limits are recommended worker breathing limits. The following limits apply to this material:

<u>INGREDIENTS</u>	<u>LIMITS</u>	<u>INGREDIENTS</u>	<u>LIMITS</u>
Mineral Spirits established	100 ppm OSHA/ TWA Mineral oil	Solvent Naphtha None established	300 ppm OSHA/ ACGIH TWA Polydimethylsiloxane None

Engineering Controls: Provide adequate room ventilation.

Respiratory Controls: For reasonable uses of this material, respiratory protection should not be necessary. **Eye/Face Protection:** Safety glasses to protect from splashing.

Skin Protection: Wear Rubber or plastic gloves to avoid drying and irritation to the skin.

Work Practice Control: Normal hygiene in the work area should be taken when working with or handling this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Clear Liquid

pH: Not Established

Water Solubility: Not Soluble

Freezing Point Range: Not Established

Vapor Pressure: 226.666 hPa @ 100 ° F/37.8 ° C Calculated

Decomposition Temperature: Not available

Flash Point: 88 °F (31° C) **Method:** Tag Closed

Flammability limits (vol/vol %): Lower:1% Upper: 8%

Percent volatile by volume: Approx. 94 % by volume **V.O.C. (calculated):** 6.03 lbs/gal or 722.5 g/l

Color: Blue

Specific Gravity: 0.77

Melting Point Range: Not applicable

Boiling Point: >184°F

Odor: Bland Solvent

Odor Threshold: Not available

Evaporation Rate: 1 Ethyl Ether

Partition Coefficient; n-octanol / water: Not available

Relative Vapor Density:(>) 1, Air =1

Auto Ignition Temperature: Not available

10. STABILITY AND REACTIVITY

Chemical Stability: Stable

Conditions to be avoided: Keep away from heat and open flames

Materials/Chemicals to be avoided: Strong Acids.

Hazardous Decomposition Products: Thermal Oxides of carbon and nitrogen

Possibility of Hazardous Reactions: WILL NOT OCCUR

11. TOXICOLOGICAL INFORMATION

Acute Eye Irritation: Irritating to eyes.

Acute Skin Irritation: No test data found for product.

Acute Dermal Toxicity: No test data found for product.

Acute Respiratory Irritation: No test data found for product.

Acute Inhalation Toxicity: No test data found for product.

Acute Oral Toxicity LD50 (rat): Mineral Spirits.> 5 gm/kg

Polydiethylsiloxanes =2840 mg /kg

Solvent Naphtha > 8,000 mg/kg

Mineral oil = 5000 mg / kg

Chronic Toxicity: This product does not contain any substances that are considered by OSHA, NTP, IARC OR ACGIH to be a probable or suspected human carcinogen. No additional test data was found for this product.

12. ECOLOGICAL INFORMATION

Ecotoxicological Information: No data found.

13. DISPOSAL CONSIDERATIONS

This material is a flammable liquid and must be disposed in accordance with all local, state and federal regulations.
IT CAN NOT BE DISPOSED OF IN A SANITARY SEWER SYSTEM.

14. TRANSPORTATION INFORMATION

This product is classified as a flammable liquid for domestic shipments per 49 CFR. For approved domestic ground shipments of containers of 1 gallon or less, it is listed as Limited Quantity. For all other shippers, containers: Flammable Liquid n.o.s. (Contains Naphtha, Petroleum), UN 1993, Packing Group III. Do not stack cartons more than five high.

15. REGULATORY INFORMATION

Inventory Issues: All components of this product are listed on the U.S. TSCA, Canadian DSL, European EINECS/ELINS chemical listings

16. OTHER INFORMATION**National Fire Protection Association**

Hazard Rating, NFPA

Health

Flammability

Reactivity

Special

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SDS CHANGESREV

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DATE

06/16/2022

DESCRIPTION OF CHANGE

Section 2 updated

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