

# L Series Light - L-40/L-60

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Issue date: 6/9/2022 Revision date: 1/12/2026 Supersedes: 8/25/2025 Version: 3.0

### SECTION 1: Identification

#### 1.1. Identification

Product form : Mixture  
Product name : L Series Light - L-40/L-60  
Product code : 531004, 531047  
Synonyms : Distillates (petroleum), hydrotreated light naphthenic  
BIG No : F06865

#### 1.2. Recommended use and restrictions on use

Recommended use : Lubricant

#### 1.3. Supplier

Cross Oil Refining & Marketing, Inc.  
484 E. 6th Street  
Smackover, AR, 71762  
US  
T 870-864-7500  
[www.crossoil.com](http://www.crossoil.com)

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC (800) 424-9300

### SECTION 2: Hazard(s) identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Aspiration hazard, Category 1 H304 May be fatal if swallowed and enters airways.  
Full text of H-statements: see section 16

#### 2.2. GHS Label elements, including precautionary statements

##### GHS US labelling

Hazard pictograms (GHS US) :



Signal word (GHS US) : Danger  
Hazard statements (GHS US) : H304 - May be fatal if swallowed and enters airways.  
Precautionary statements (GHS US) : P301+P310 - If swallowed: Immediately call a poison center or doctor.  
P331 - Do NOT induce vomiting.  
P405 - Store locked up.  
P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

#### 2.3. Other hazards which do not result in classification

No additional information available

#### 2.4. Unknown acute toxicity (GHS US)

No additional information available

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### SECTION 3: Composition/information on ingredients

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

| Name                                   | Product identifier  | %        |
|----------------------------------------|---------------------|----------|
| Hydrotreated Light Naphthenic Base Oil | CAS-No.: 64742-53-6 | 85 – 100 |

Full text of hazard classes and H-statements : see section 16

### SECTION 4: First-aid measures

#### 4.1. Description of first aid measures

|                                       |                                                                                                                       |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : Call a physician immediately.                                                                                       |
| First-aid measures after inhalation   | : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell. |
| First-aid measures after skin contact | : Wash skin with plenty of water.                                                                                     |
| First-aid measures after eye contact  | : Rinse eyes with water as a precaution.                                                                              |
| First-aid measures after ingestion    | : Do not induce vomiting. Call a physician immediately.                                                               |

#### 4.2. Most important symptoms and effects (acute and delayed)

|                                                     |                                                    |
|-----------------------------------------------------|----------------------------------------------------|
| Potential adverse human health effects and symptoms | : Caution! Substance is absorbed through the skin. |
| Symptoms/effects after ingestion                    | : Risk of lung oedema.                             |

#### 4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

### SECTION 5: Fire-fighting measures

#### 5.1. Suitable (and unsuitable) extinguishing media

|                              |                                                  |
|------------------------------|--------------------------------------------------|
| Suitable extinguishing media | : Water spray. Dry powder. Foam. Carbon dioxide. |
|------------------------------|--------------------------------------------------|

#### 5.2. Specific hazards arising from the chemical

|                                                  |                                |
|--------------------------------------------------|--------------------------------|
| Hazardous decomposition products in case of fire | : Toxic fumes may be released. |
|--------------------------------------------------|--------------------------------|

#### 5.3. Special protective equipment and precautions for fire-fighters

|                                |                                                                                                                                          |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Protection during firefighting | : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing. |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

##### 6.1.1. For non-emergency personnel

|                      |                                                                              |
|----------------------|------------------------------------------------------------------------------|
| Emergency procedures | : Ventilate spillage area. Avoid breathing dust/fume/gas/mist/vapours/spray. |
|----------------------|------------------------------------------------------------------------------|

##### 6.1.2. For emergency responders

|                      |                                                                                                                                                             |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective equipment | : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|

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### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.  
Other information : Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling : Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapours/spray.  
Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### L Series Light - L-40/L-60

##### USA - ACGIH - Occupational Exposure Limits

|                      |                                                                               |
|----------------------|-------------------------------------------------------------------------------|
| Local name           | Mineral oil, excluding metal working fluids Pure, highly and severely refined |
| ACGIH OEL TWA        | 5 mg/m <sup>3</sup> (I - Inhalable particulate matter)                        |
| Remark (ACGIH)       | TLV® Basis: URT irr. Notations: A4 (Not classifiable as a Human Carcinogen)   |
| Regulatory reference | ACGIH 2022                                                                    |

##### USA - OSHA - Occupational Exposure Limits

|                                |                                                 |
|--------------------------------|-------------------------------------------------|
| Local name                     | Petroleum distillates (Naphtha)(Rubber Solvent) |
| OSHA PEL TWA [1]               | 2000 mg/m <sup>3</sup>                          |
| OSHA PEL TWA [2]               | 500 ppm                                         |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1                        |

#### Hydrotreated Light Naphthenic Base Oil (64742-53-6)

No additional information available

### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

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### 8.3. Individual protection measures/Personal protective equipment

#### Hand protection:

Protective gloves

#### Eye protection:

Safety glasses

#### Skin and body protection:

Wear suitable protective clothing

#### Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

#### Personal protective equipment symbol(s):



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

|                                                 |                             |
|-------------------------------------------------|-----------------------------|
| Physical state                                  | : Liquid                    |
| Colour                                          | : Clear amber to dark amber |
| Odour                                           | : Hydrocarbon               |
| Odour threshold                                 | : No data available         |
| pH                                              | : No data available         |
| Melting point                                   | : Not applicable            |
| Freezing point                                  | : No data available         |
| Boiling point                                   | : No data available         |
| Flash point                                     | : > 100 °C                  |
| Relative evaporation rate (butylacetate=1)      | : No data available         |
| Flammability (solid, gas)                       | : Not applicable.           |
| Vapour pressure                                 | : 0.014 mm Hg               |
| Relative vapour density at 20 °C                | : ≥ 1                       |
| Relative density                                | : No data available         |
| Density                                         | : 7.4 – 7.46 lb/gal         |
| Solubility                                      | : Insoluble in water.       |
| Partition coefficient n-octanol/water (Log Pow) | : No data available         |
| Auto-ignition temperature                       | : No data available         |
| Decomposition temperature                       | : No data available         |
| Viscosity, kinematic                            | : 4.7 – 9.57 mm²/s          |
| Viscosity, dynamic                              | : No data available         |
| Explosive limits                                | : No data available         |
| Explosive properties                            | : No data available         |
| Oxidising properties                            | : No data available         |

### 9.2. Other information

No additional information available

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### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

#### 10.2. Chemical stability

Stable under normal conditions.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

#### 10.5. Incompatible materials

No additional information available

#### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified.

#### Hydrotreated Light Naphthenic Base Oil (64742-53-6)

|                       |              |
|-----------------------|--------------|
| LD50 oral rat         | > 5000 mg/kg |
| LD50 dermal rabbit    | > 2000 mg/kg |
| LC50 Inhalation - Rat | 2.18 mg/l    |
| ATE US (vapours)      | 2.18 mg/l/4h |
| ATE US (dust,mist)    | 2.18 mg/l/4h |

Skin corrosion/irritation : Not classified  
Serious eye damage/irritation : Not classified  
Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : Not classified  
STOT-repeated exposure : Not classified  
Aspiration hazard : May be fatal if swallowed and enters airways.  
Viscosity, kinematic : 4.7 – 9.57 mm<sup>2</sup>/s  
Potential adverse human health effects and symptoms : Caution! Substance is absorbed through the skin.  
Symptoms/effects after ingestion : Risk of lung oedema.

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### SECTION 12: Ecological information

#### 12.1. Toxicity

- Ecology - general : Not classified as dangerous for the environment according to the criteria of Regulation (EC) No 1272/2008.
- Ecology - air : None of the known components is included in the list of substances which may contribute to the greenhouse effect (IPCC). None of the known components is included in the list of fluorinated greenhouse gases (Regulation (EU) No 517/2014).

#### Hydrotreated Light Naphthenic Base Oil (64742-53-6)

|                      |                            |
|----------------------|----------------------------|
| LC50 - Fish [1]      | > 5000 mg/l Source: IUCLID |
| EC50 - Crustacea [1] | > 1000 mg/l Source: IUCLID |
| EC50 96h - Algae [1] | > 1000 mg/l Source: IUCLID |

#### 12.2. Persistence and degradability

No additional information available

#### 12.3. Bioaccumulative potential

#### Hydrotreated Light Naphthenic Base Oil (64742-53-6)

|                                                 |                        |
|-------------------------------------------------|------------------------|
| Partition coefficient n-octanol/water (Log Pow) | 3.9 – 6 Source: IUCLID |
|-------------------------------------------------|------------------------|

#### 12.4. Mobility in soil

No additional information available

#### 12.5. Other adverse effects

No additional information available

### SECTION 13: Disposal considerations

#### 13.1. Disposal methods

- Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.
- Product/Packaging disposal recommendations : Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals.
- Additional information : Hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997.

### SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

| DOT                               | TDG           | IMDG          | IATA          |
|-----------------------------------|---------------|---------------|---------------|
| <b>14.1. UN number</b>            |               |               |               |
| Not regulated for transport       |               |               |               |
| <b>14.2. Proper Shipping Name</b> |               |               |               |
| Not regulated                     | Not regulated | Not regulated | Not regulated |

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| DOT                                     | TDG           | IMDG          | IATA          |
|-----------------------------------------|---------------|---------------|---------------|
| <b>14.3. Transport hazard class(es)</b> |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated |
| <b>14.4. Packing group</b>              |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated |
| <b>14.5. Environmental hazards</b>      |               |               |               |
| Not regulated                           | Not regulated | Not regulated | Not regulated |
| No supplementary information available  |               |               |               |

### 14.6. Special precautions for user

#### DOT

Not regulated

#### TDG

Not regulated

#### IMDG

Not regulated

#### IATA

Not regulated

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

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

| Name                                   | CAS-No.    | Listing | Commercial status | Flags |
|----------------------------------------|------------|---------|-------------------|-------|
| Hydrotreated Light Naphthenic Base Oil | 64742-53-6 | Present | Active            |       |

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

### 15.2. International regulations

#### CANADA

#### Hydrotreated Light Naphthenic Base Oil (64742-53-6)

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations

No additional information available

#### National regulations

No additional information available

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### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

### SECTION 16: Other information

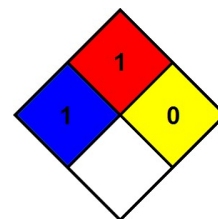
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Revision date : 1/12/2026

#### Full text of H-statements

|      |                                               |
|------|-----------------------------------------------|
| H304 | May be fatal if swallowed and enters airways. |
|------|-----------------------------------------------|

|                    |                                                                                     |
|--------------------|-------------------------------------------------------------------------------------|
| NFPA health hazard | : 1 - Materials that, under emergency conditions, can cause significant irritation. |
| NFPA fire hazard   | : 1 - Materials that must be preheated before ignition can occur.                   |
| NFPA reactivity    | : 0 - Material that in themselves are normally stable, even under fire conditions.  |



Safety Data Sheet (SDS), USA

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