



Material Safety Data Sheet

SECTION 1	PRODUCT AND COMPANY IDENTIFICATION
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Product Name: Lucas Upper Cylinder Lubricant

Product Description: Base Oil and Additives

Product Number: 10003, 10013, 10020, 10080, 10086, 10090

Intended Use: Fuel Additive

COMPANY IDENTIFICATION

Supplier: Lucas Oil Products Inc.
302 North Sheridan St.
Corona, ca. 92880 USA

Phone #: 1 (800) 342-2512

SECTION 2	COMPOSITION / INFORMATION ON INGREDIENTS
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No Reportable Hazardous Substance(s) or Complex Substance(s).

Name	CAS#	Concentration*
Hydrotreated Heavy Paraffinic Distillate	64742-54-7	90%
Additive	Mixed	10%

SECTION 3	HAZARDS IDENTIFICATION
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This material is not considered to be hazardous according to regulatory guidelines.

POTENTIAL HEALTH EFFECTS

Low order of toxicity. Excessive exposure may result in eye, skin, or respiratory irritation.

NFPA Hazard ID: Health: 1 Flammability: 1 Reactivity: 0

HMIS Hazard ID: Health: 1 Flammability: 1 Reactivity: 0

SECTION 4	FIRST AID MEASURES
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INHALATION

Remove exposed person to fresh air. If respiratory symptoms develop seek medical attention.

SKIN CONTACT

Wash skin with mild soap and water for 15 minutes while removing contaminated clothing.

EYE CONTACT

Flush thoroughly with water for at least 15 minutes. If irritation occurs, seek medical attention.

INGESTION

do not induce vomiting. If conscious give milk or water and seek medical attention.

SECTION 5**FIRE FIGHTING MEASURES****EXTINGUISHING MEDIA**

Appropriate Extinguishing Media: Use dry chemical, carbon dioxide, halon, or foam to extinguish flames.

Inappropriate Extinguishing Media: Straight streams of water.

FLAMMABILITY PROPERTIES

Flash Point: >450°F

SECTION 6**ACCIDENTAL RELEASE MEASURES****SPILL MANAGEMENT**

Land Spill: Stop source of ignition. Prevent additional discharge of material, if possible to do so safely. Contain and/or clean up with sand or earth on land.

ENVIRONMENTAL PRECAUTIONS

Prevent entry into waterways, drains or sewers.

SECTION 7**HANDLING AND STORAGE****HANDLING**

Keep container tightly closed. Eating, drinking and smoking should be prohibited in areas where this material is handled. Wash your hands and face before eating.

STORAGE

Store in a cool well ventilated place, away from heat and/or incompatible materials.

SECTION 8**EXPOSURE CONTROLS / PERSONAL PROTECTION****ENGINEERING CONTROLS:**

No special requirements under ordinary conditions of use and with adequate ventilation.

PERSONAL PROTECTION

Personal protective equipment selections vary based on potential exposure conditions such as

applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

Respiratory Protection:

No special requirements under ordinary conditions of use and with adequate ventilation.

Hand Protection:

No protection is ordinarily required under normal conditions of use.

Eye Protection: If contact is likely, safety glasses with side shields are recommended.

Skin and Body Protection:

No skin protection is ordinarily required under normal conditions of use.

Ingredient

Exposure Limits

Paraffinic Oil

ACGIH TLV (TWA: 5 mg/m³ 8 hours) – United States

Canada (Ingredient)

TWA: 5 mg/m³ 8 hours, STEL: 10 mg/m³ 8 hours

SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Typical physical and chemical properties are given below. Consult the Supplier in Section 1 for additional data.

GENERAL INFORMATION

Physical State: Liquid

Color: Clear Yellow

Odor: Characteristic petroleum

Density: 7.462 pounds/gallon

Flash Point: 450°F

Autoignition Temperature: N/D

Boiling Point: >500°F

pH: N/D

Solubility in Water: Negligible @ 25°C

Viscosity cSt at 100°C: Greater than or equal to: 11.0

SECTION 10

STABILITY AND REACTIVITY

STABILITY: Material is stable under normal conditions.

CONDITIONS TO AVOID: Excessive heat.

MATERIALS TO AVOID: Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Material does not decompose at ambient temperatures.

SECTION 11

TOXICOLOGICAL INFORMATION

Acute Toxicity:

Product/Ingredient Name	Result	Species	Dosage
Paraffinic Oil	LD 50 Dermal	Rabbit	>5g/kg
	LD 50 Oral	Rat	>5 g/kg
	LD 50 Inhalation	Rat	> 5mg/Liter

Carcinogenicity, Mutagenicity, Teratogenicity and Reproductive Toxicity: No data

No known significant effects or critical hazards.

SECTION 12	ECOLOGICAL INFORMATION
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Aquatic Ecotoxicity: None. Not readily biodegradable

SECTION 13	DISPOSAL CONSIDERATIONS
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Disposal must be in accordance with current applicable regional, national and local laws and regulations.

SECTION 14	TRANSPORT INFORMATION
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DOT: Not Regulated

TDG: Not Regulated

Mexico: Not Regulated

ADR/RID Class: Not Regulated

IMDG: Not Regulated

IATA-DGR Class: Not Regulated

SECTION 15	REGULATORY INFORMATION
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OSHA HAZARD COMMUNICATION STANDARD: When used for its intended purposes, this material is not classified as hazardous.

HCS Classification: Not Regulated

TSCA 8(a) PAIR: Not determined

TSCA 8(a) IUR Exempt/Partial exemption: Not determined

U.S. TSCA: All components listed

SARA 302/304/311/312/313: None

Clean Water Act: (CWA) 307: Not Regulated

CERCLA RQ – 40 CFR 302.4: None

Name	CAS#	Concentration*
Hydrotreated Heavy Paraffinic Distillate	64742-54-7	90%
Additive	Mixed	10%

SECTION 16	OTHER INFORMATION
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N/D

Original Date: 12-23-04 Updated: 10-10-12

We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.

SAFETY DATA SHEET

Lucas Heavy Duty Oil Stabilizer



Section 1. Identification

GHS product identifier : Lucas Heavy Duty Oil Stabilizer
Other means of identification : Not available.
Product number : 10001, 10002, 10015, 10085, 10091

Relevant identified uses of the substance or mixture and uses advised against

Oil additives.

Supplier's details : Lucas Oil Products, Inc
302 North Sheridan Street
Corona, California 92880-2067
Toll Free: (800) 342-2512
Tel: (951) 270-0154
Fax: (951) 270-1902
Website: www.LucasOil.com

Emergency telephone number (with hours of operation) : (951) 493-1149
(951) 847-5949
Markn@lucasoil.com
7:00A.M. to 5:00P.M. Monday thru Friday

Section 2. Hazards identification

OSHA/HCS status : While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Classification of the substance or mixture : Not classified.

GHS label elements

Signal word : No signal word.
Hazard statements : No known significant effects or critical hazards.

Precautionary statements

General : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Prevention : Not applicable.

Response : Not applicable.

Storage : Not applicable.

Disposal : Not applicable.

Hazards not otherwise classified : None known.





Section 3. Composition/information on ingredients

Substance/mixture : Mixture
Other means of identification : Not available.

CAS number/other identifiers

CAS number : Not applicable.
Product code : Not available.

Ingredient name	%	CAS number
Lubricating oils, petroleum, c>25, hydrotreated bright stock-based	80 - 100	72623-83-7

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

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation occurs.

Inhalation : Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin contact : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion : Wash out mouth with water. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms

Eye contact : No known significant effects or critical hazards.
Inhalation : No known significant effects or critical hazards.
Skin contact : No known significant effects or critical hazards.
Ingestion : No known significant effects or critical hazards.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)





Section 5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media : Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media : None known.

Specific hazards arising from the chemical : No specific fire or explosion hazard.

Hazardous thermal decomposition products : No specific data.

Special protective actions for fire-fighters : No special precaution is required.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

For non-emergency personnel : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Put on appropriate personal protective equipment.

For emergency responders : If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

Environmental precautions : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8).

Advice on general occupational hygiene : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.





Section 7. Handling and storage

Conditions for safe storage, including any incompatibilities : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Lubricating oils, petroleum, c>25, hydrotreated bright stock-based	ACGIH TLV (United States, 3/2012). TWA: 5 mg/m ³ 8 hours. Form: Inhalable fraction NIOSH REL (United States, 6/2009). TWA: 5 mg/m ³ 10 hours. Form: Mist STEL: 10 mg/m ³ 15 minutes. Form: Mist OSHA PEL (United States, 6/2010). TWA: 5 mg/m ³ 8 hours.

Appropriate engineering controls : No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants. If this product contains ingredients with exposure limits, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure below any recommended or statutory limits.

Environmental exposure controls : Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures : Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side-shields.

Skin protection

Hand protection : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Body protection : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection : Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection : Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.





Section 9. Physical and chemical properties

Appearance

Physical state	: Liquid. [Clear.]
Color	: Amber.
Odor	: Petroleum.
Odor threshold	: Not available.
pH	: Not available.
Melting point	: Not available.
Boiling point	: >260°C (>500°F)
Flash point	: Closed cup: 218.33°C (425°F)
Burning time	: Not applicable.
Burning rate	: Not applicable.
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not available.
Lower and upper explosive (flammable) limits	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: 0.8958
Solubility	: Negligible at 25°C
Solubility in water	: Not available.
Partition coefficient: n-octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
SADT	: Not available.
Viscosity	: Kinematic (100°C (212°F)): 1.1 cm ² /s (110 cSt)

Section 10. Stability and reactivity

Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
Chemical stability	: The product is stable.
Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
Conditions to avoid	: No specific data.
Incompatible materials	: Reactive or incompatible with the following materials: oxidizing materials.
Hazardous decomposition products	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

There is no data available.

Irritation/Corrosion

Skin : There is no data available.



**Section 11. Toxicological information**

Eyes : There is no data available.

Respiratory : There is no data available.

Sensitization

Skin : There is no data available.

Respiratory : There is no data available.

Mutagenicity

There is no data available.

Carcinogenicity

There is no data available.

Reproductive toxicity

There is no data available.

Teratogenicity

There is no data available.

Specific target organ toxicity (single exposure)

There is no data available.

Specific target organ toxicity (repeated exposure)

There is no data available.

Aspiration hazard

Name	Result
Lubricating oils, petroleum, c>25, hydrotreated bright stock-based	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure : Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : No known significant effects or critical hazards.

Ingestion : No known significant effects or critical hazards.

Delayed and immediate effects and also chronic effects from short and long term exposure**Short term exposure**

Potential immediate effects : No known significant effects or critical hazards.

Potential delayed effects : No known significant effects or critical hazards.

Long term exposure

Potential immediate effects : No known significant effects or critical hazards.

Potential delayed effects : No known significant effects or critical hazards.

Potential chronic health effects

General : No known significant effects or critical hazards.

Carcinogenicity : No known significant effects or critical hazards.

Mutagenicity : No known significant effects or critical hazards.



**Section 11. Toxicological information**

- Teratogenicity** : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity**Acute toxicity estimates**

There is no data available.

Section 12. Ecological information**Toxicity**

There is no data available.

Persistence and degradability

There is no data available.

Bioaccumulative potential

There is no data available.

Mobility in soil

Soil/water partition coefficient (K_{oc}) : There is no data available.

Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

Section 14. Transport information

	DOT Classification	IMDG	IATA
UN number	Not regulated.	Not regulated.	Not regulated.
UN proper shipping name	-	-	-
Transport hazard class(es)	-	-	-
Packing group	-	-	-
Environmental hazards	No.	No.	No.



**Section 14. Transport information**

Additional information	-	-	-
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Special precautions for user : **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.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code : Not available.

Section 15. Regulatory information

U.S. Federal regulations : **TSCA 8(a) CDR Exempt/Partial exemption:** All components are listed or exempted.
United States inventory (TSCA 8b): All components are listed or exempted.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Not listed

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304**Composition/information on ingredients**

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Not applicable.

Composition/information on ingredients

No products were found.

State regulations

Massachusetts : None of the components are listed.

New York : None of the components are listed.

New Jersey : The following components are listed: Lubricating oils, petroleum, c>25, hydrotreated bright stock-based

Pennsylvania : None of the components are listed.

California Prop. 65

No products were found.

International regulations



Section 15. Regulatory information

International lists	: Australia inventory (AICS): All components are listed or exempted. China inventory (IECSC): All components are listed or exempted. Japan inventory: Not determined. Korea inventory: All components are listed or exempted. Malaysia Inventory (EHS Register): Not determined. New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted. Philippines inventory (PICCS): All components are listed or exempted. Taiwan inventory (CSNN): Not determined.
Chemical Weapons Convention List Schedule I Chemicals	: Not listed
Chemical Weapons Convention List Schedule II Chemicals	: Not listed
Chemical Weapons Convention List Schedule III Chemicals	: Not listed

Section 16. Other information

Hazardous Material Information System (U.S.A.)

Health : 0 * **Flammability :** 1 **Physical hazards :** 0

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)

Health : 0 **Flammability :** 1 **Instability :** 0

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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

History

Date of issue mm/dd/yyyy : 12/30/2012
Version : 1
Revised Section(s) : Not applicable.
Prepared by : KMK Regulatory Services Inc.

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations

Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.





Material Safety Data Sheet *Fiche signalétique*

SECTION 1	PRODUCT AND COMPANY IDENTIFICATION - IDENTIFICATION DU PRODUIT ET RENSEIGNEMENTS SUR LA SOCIÉTÉ
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Product Name: Lucas Power Steering Stop Leak
Nom du produit : Antifuite Lucas pour servodirection

Product Description: Base Oil and Additives
Description du produit : Huile de base et additifs

Product Number: 10008, 10011
Numéro du produit : 10008, 10011

Intended Use: Oil Additive
Usages : Additif d'huile

**COMPANY IDENTIFICATION
RENSEIGNEMENTS SUR LA SOCIÉTÉ**
Supplier/Fournisseur : Lucas Oil Products Inc.
302 North Sheridan St.
Corona, CA 92880 USA

Phone #/Téléphone : 1 (800) 342-2512

SECTION 2	COMPOSITION/INFORMATION ON INGREDIENTS - COMPOSITION/RENSEIGNEMENTS SUR LES INGRÉDIENTS
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No Reportable Hazardous Substance(s) or Complex Substance(s).
Aucune substance dangereuse ou complexe à signaler.

Name/Nom	CAS#/N° de CAS	Concentration*
Naphthenic Petroleum Oil/Huile de pétrole naphténiq	64741-96-4, 64742-52-5	< 80 %

SECTION 3	HAZARDS IDENTIFICATION - IDENTIFICATION DES RISQUES
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This material is not considered to be hazardous according to regulatory guidelines.
Ce produit n'est pas considéré comme étant dangereux selon les directives réglementaires.

POTENTIAL HEALTH EFFECTS/EFFETS POTENTIELS SUR LA SANTÉ

Low order of toxicity. Excessive exposure may result in eye, skin, or respiratory irritation.
Niveau faible de toxicité. Une exposition excessive peut entraîner une irritation des yeux, de la peau ou des voies respiratoires.

NFPA Hazard ID: <i>Identification de danger NFPA :</i>	Health: 1 <i>Santé : 1</i>	Flammability: 1 <i>Inflammabilité : 1</i>	Reactivity: 0 <i>Réactivité : 0</i>
HMIS Hazard ID: <i>Identification de danger HMIS :</i>	Health: 1 <i>Santé : 1</i>	Flammability: 1 <i>Inflammabilité : 1</i>	Reactivity: 0 <i>Réactivité : 0</i>

SECTION 4	FIRST AID MEASURES - PREMIERS SOINS
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INHALATION/INHALATION

Remove exposed person to fresh air. If respiratory symptoms develop seek medical attention.
Transporter la personne vers de l'air frais. En cas de difficultés respiratoires, consulter un médecin.

SKIN CONTACT/CONTACT AVEC LA PEAU

Wash skin with mild soap and water.
Laver la peau à l'eau et au savon doux.

EYE CONTACT/CONTACT AVEC LES YEUX

Flush thoroughly with water. If irritation occurs, seek medical attention.
Bien rincer les yeux à l'eau. En cas d'irritation, consulter un médecin.

INGESTION/INGESTION

Do not induce vomiting. If conscious give milk or water and seek medical attention.
Ne pas faire vomir. Si la personne est consciente, lui faire boire du lait ou de l'eau et consulter un médecin.

SECTION 5	FIRE FIGHTING MEASURES - MESURES DE LUTTE CONTRE L'INCENDIE
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EXTINGUISHING MEDIA/MÉTHODES D'EXTINCTION

Appropriate Extinguishing Media: Use dry chemical, carbon dioxide, halon, or foam to extinguish flames.
Méthode correcte d'extinction : Utiliser un extincteur à produit chimique sec, au dioxyde de carbone, au halon ou à mousse pour éteindre les flammes.

Inappropriate Extinguishing Media: Straight streams of water.
Méthode incorrecte d'extinction : Jets directs d'eau

FLAMMABILITY PROPERTIES/PROPRIÉTÉS D'INFLAMMABILITÉ

Flash Point: >405°F

Point d'éclair : > 405 °F

SECTION 6

**ACCIDENTAL RELEASE MEASURES -
MESURES À PRENDRE EN CAS DE DÉVERSEMENT
ACCIDENTEL**

SPILL MANAGEMENT/GESTION DES DÉVERSEMENTS

Land Spill: Stop source of ignition. Prevent additional discharge of material, if possible to do so safely. Contain and/or clean up with sand or earth on land.

Déversement terrestre : Éliminer toute source potentielle d'ignition. Empêcher tout déversement additionnel du produit, si cela peut être accompli sans danger. Contenir le déversement et/ou le nettoyer avec du sable ou de la terre, sur la terre ferme.

ENVIRONMENTAL PRECAUTIONS/PRÉCAUTIONS ENVIRONNEMENTALES

Prevent entry into waterways or sewers.

Éviter la contamination des égouts et des cours d'eau.

SECTION 7

**HANDLING AND STORAGE -
MANIPULATION ET ENTREPOSAGE**

HANDLING/MANIPULATION

Keep container tightly closed.

Garder le contenant bien fermé.

STORAGE/ENTREPOSAGE

Store in a cool, well ventilated place, away from heat and/or incompatible materials.

Le ranger dans un endroit frais et bien aéré, à bonne distance de sources de chaleur et/ou de produits incompatibles.

SECTION 8

**EXPOSURE CONTROLS / PERSONAL PROTECTION -
EXPOSITION/PROTECTION PERSONNELLE**

ENGINEERING CONTROLS/MESURES D'INGÉNIERIE :

No special requirements under ordinary conditions of use and with adequate ventilation.

Aucune exigence particulière dans des conditions normales d'utilisation et avec une ventilation appropriée.

PERSONAL PROTECTION/PROTECTION PERSONNELLE

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

Les choix d'équipement de protection personnelle dépendent des conditions potentielles d'exposition, telles que des applications, des méthodes de manipulation, de la concentration et de la ventilation. Les renseignements ci-dessous sur le choix d'équipement de protection à utiliser avec ce produit sont fournis en fonction de l'usage normal prévu.

Respiratory Protection/Protection des voies respiratoires :

No special requirements under ordinary conditions of use and with adequate ventilation.

Aucune protection n'est normalement nécessaire dans des conditions normales d'utilisation.

Hand Protection/Protection des mains :

No protection is ordinarily required under normal conditions of use.

Aucune protection n'est normalement nécessaire dans des conditions normales d'utilisation.

Eye Protection/Protection des yeux :

If contact is likely, safety glasses with side shields are recommended.

En cas de risques élevés de contact avec les yeux, le port de lunettes de protection à écrans latéraux est recommandé.

Skin and Body Protection/Protection de la peau et du corps :

No skin protection is ordinarily required under normal conditions of use.

Aucune protection de la peau n'est normalement nécessaire dans des conditions normales d'utilisation.

SECTION 9	PHYSICAL AND CHEMICAL PROPERTIES - PROPRIÉTÉS PHYSIQUES ET CHIMIQUES
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Typical physical and chemical properties are given below. Consult the Supplier in Section 1 for additional data.

Les propriétés physiques et chimiques typiques sont fournies ci-dessous. Consulter le fournisseur dont le nom est donné à la section 1 pour plus de renseignements.

GENERAL INFORMATION/RENSEIGNEMENTS GÉNÉRAUX

Physical State: Liquid

État physique : liquide

Color: Light Red

Couleur : rouge clair

Odor: Characteristic petroleum

Odeur : odeur caractéristique de pétrole

Density: 7.676 pounds/gallon

Densité : 7,676 livres/gallon

Flash Point: 405°F

Point d'éclair : 405 °F

Autoignition Temperature: N/D

Température d'auto-ignition : non établie

Boiling Point: >500°F

Point d'ébullition : > 500 °F

pH: N/D

pH : non établi

Solubility in Water: Negligible @ 25°C

Solubilité dans l'eau : négligeable à 25 °C

Viscosity cSt at 100°C: Greater than or equal to: 45.0
Viscosité cSt à 100 °C : supérieure ou égale à 45,0

SECTION 10	STABILITY AND REACTIVITY - STABILITÉ ET RÉACTIVITÉ
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STABILITY: Material is stable under normal conditions.
STABILITÉ : Le produit est stable dans des conditions normales.

CONDITIONS TO AVOID: Excessive heat.
SITUATIONS À ÉVITER : Chaleur excessive

MATERIALS TO AVOID: Strong oxidizers
SUBSTANCES À ÉVITER : Oxydants forts

HAZARDOUS DECOMPOSITION PRODUCTS: Material does not decompose at ambient temperatures.
PRODUITS DE DÉCOMPOSITION DANGEREUX : Le produit ne se décompose pas aux températures ambiantes.

SECTION 11	TOXICOLOGICAL INFORMATION - RENSEIGNEMENTS TOXICOLOGIQUES
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N/D
NON ÉTABLIS

SECTION 12	ECOLOGICAL INFORMATION - RENSEIGNEMENTS ÉCOLOGIQUES
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N/D
NON ÉTABLIS

SECTION 13	DISPOSAL CONSIDERATIONS - ÉLIMINATION
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Disposal must be in accordance with current applicable laws and regulations.
Son élimination doit être conforme aux lois et réglementations en vigueur.

SECTION 14	TRANSPORT INFORMATION - RENSEIGNEMENTS RELATIFS AU TRANSPORT
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DOT : Not Regulated
DOT : Non réglementé

IMDG : Not Regulated
IMDG : Non réglementé

SECTION 15	REGULATORY INFORMATION - RÉGLEMENTATION
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OSHA HAZARD COMMUNICATION STANDARD: When used for its intended purposes, this material is not classified as hazardous.

NORME OSHA DE COMMUNICATION DES DANGERS : *Quand il est utilisé conformément à son usage prévu, ce produit n'est pas classé comme étant dangereux.*

Chemical Name/ <i>Nom chimique</i>	CAS Number/ <i>Numéro de CAS</i>	Typical Value/ <i>Valeur typique</i>
N/A <i>S.O.</i>		

SECTION 16	OTHER INFORMATION - AUTRES RENSEIGNEMENTS
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N/D
Non établi

Original Date: 12-23-04 **Updated:** 02-03-09

We believe the statements, technical information, and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied, and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use.

Date initiale : 2004-12-23 **Mise à jour :** 2009-02-03

A notre connaissance, les renseignements techniques et les recommandations contenus dans ce document sont corrects, mais ils sont fournis sans garantie quelconque, explicite ou implicite, et nous n'assumons aucune responsabilité pour les pertes, les dégâts ou les frais résultant de manière directe ou indirecte de leur utilisation.



Material Safety Data Sheet

SECTION 1

PRODUCT AND COMPANY IDENTIFICATION

Product Name: Lucas Transmission Fix

Product Description: Base Oil and Additives

Product Number: 10009

Intended Use: Oil Additive

COMPANY IDENTIFICATION

Supplier: Lucas Oil Products Inc.

302 North Sheridan St.

Corona, ca. 92880 USA

SECTION 2

COMPOSITION / INFORMATION ON INGREDIENTS

No Reportable Hazardous Substance(s) or Complex Substance(s).

Name	CAS#	Concentration*
Naphthenic Petroleum Oil	64741-96-4,	<80%
	64742-52-5	

SECTION 3

HAZARDS IDENTIFICATION

This material is not considered to be hazardous according to regulatory guidelines.

POTENTIAL HEALTH EFFECTS

Low order of toxicity. Excessive exposure may result in eye, skin, or respiratory irritation.

NFPA Hazard ID: Health: 1 Flammability: 1 Reactivity: 0

HMIS Hazard ID: Health: 1 Flammability: 1 Reactivity: 0

SECTION 4

FIRST AID MEASURES

INHALATION

Remove exposed person to fresh air. If respiratory symptoms develop seek medical attention.

SKIN CONTACT

Wash skin with mild soap and water.

EYE CONTACT

Flush thoroughly with water. If irritation occurs, seek medical attention.

INGESTION

Do not induce vomiting. If conscious give milk or water and seek medical attention.

SECTION 5**FIRE FIGHTING MEASURES****EXTINGUISHING MEDIA**

Appropriate Extinguishing Media: Use dry chemical, carbon dioxide, halon, or foam to extinguish flames.

Inappropriate Extinguishing Media: Straight streams of water.

FLAMMABILITY PROPERTIES

Flash Point: >415°F

SECTION 6**ACCIDENTAL RELEASE MEASURES****SPILL MANAGEMENT**

Land Spill: Stop source of ignition. Prevent additional discharge of material, if possible to do so safely. Contain and/or clean up with sand or earth on land.

ENVIRONMENTAL PRECAUTIONS

Prevent entry into waterways or sewers.

SECTION 7**HANDLING AND STORAGE****HANDLING**

Keep container tightly closed.

STORAGE

Store in a cool, well ventilated place, away from heat and/or incompatible materials.

SECTION 8**EXPOSURE CONTROLS / PERSONAL PROTECTION****ENGINEERING CONTROLS:**

No special requirements under ordinary conditions of use and with adequate ventilation.

PERSONAL PROTECTION

Personal protective equipment selections vary based on potential exposure conditions such as applications, handling practices, concentration and ventilation. Information on the selection of protective equipment for use with this material, as provided below, is based upon intended, normal usage.

Respiratory Protection:

No special requirements under ordinary conditions of use and with adequate ventilation.

Hand Protection:

No protection is ordinarily required under normal conditions of use.

Eye Protection: If contact is likely, safety glasses with side shields are recommended.

Skin and Body Protection:

No skin protection is ordinarily required under normal conditions of use.

SECTION 9	PHYSICAL AND CHEMICAL PROPERTIES
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Typical physical and chemical properties are given below. Consult the Supplier in Section 1 for additional data.

GENERAL INFORMATION

Physical State: Liquid

Color: Red

Odor: Characteristic petroleum

Density: 7.772 pounds/gallon

Flash Point: 415°F

Autoignition Temperature: N/D

Boiling Point: >500°F

pH: N/D

Solubility in Water: Negligible @ 25°C

Viscosity cSt at 100°C: Greater than or equal to: 48.0

SECTION 10	STABILITY AND REACTIVITY
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STABILITY: Material is stable under normal conditions.

CONDITIONS TO AVOID: Excessive heat.

MATERIALS TO AVOID: Strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Material does not decompose at ambient temperatures.

SECTION 11	TOXICOLOGICAL INFORMATION
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N/D

SECTION 12	ECOLOGICAL INFORMATION
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N/D

SECTION 13	DISPOSAL CONSIDERATIONS
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Disposal must be in accordance with current applicable laws and regulations.

SECTION 14	TRANSPORT INFORMATION
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DOT : Not Regulated

SECTION 15	REGULATORY INFORMATION
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OSHA HAZARD COMMUNICATION STANDARD: When used for its intended purposes, this material is not classified as hazardous.

Chemical Name	CAS Number	Typical Value
N/A		

SECTION 16	OTHER INFORMATION
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N/D

Original Date: 12-23-04 Updated: 02-03-09

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