LUCAS OIL PRODUCTS INC.

Safety Data Sheet
LUCAS FUEL STABILIZER

SECTION 1: Identification

1.1 Product identifier

Product name	LUCAS FUEL STABILIZER
Product number	10302, 10303, 10314, 10324, 10326, 20302, 20303, 20314, 30314, 40314

1.2 Other means of identification
Not Available

1.3 Recommended use of the chemical and restrictions on use
Fuel Additive

1.4 Supplier's details

Name	Lucas Oil Products Inc.
Address	302 North Sheridan Street Corona California 92878-4067 USA
Telephone	(951) 270-0154
Fax	(951) 270-1902
email	www.LucasOil.com

1.5 Emergency phone number(s)

ChemTel
1-800-255-3924 (USA, Canada, Puerto Rico, US V.I.)
+1-813-248-0585 (International)

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

GHS classification in accordance with: OSHA (29 CFR 1910.1200)

- Specific target organ toxicity (single exposure), Cat. 3
- Flammable liquids, Cat. 4
- Aspiration hazard, Cat. 1
- Specific target organ toxicity (repeated exposure), Cat. 1

2.2 GHS label elements, including precautionary statements

Pictogram

Signal word **Danger**

Hazard statement(s)

H227	Combustible liquid
H304	May be fatal if swallowed and enters airways
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H372	Causes damage to respiratory system through prolonged or repeated exposure inhalation

Precautionary statement(s)

P210	Keep away from heat/sparks/open flames/hot surfaces. No smoking.
P260	Do not breathe mist/vapors/spray.
P261	Avoid breathing fume/gas/mist/vapors/spray.
P264	Wash hands thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
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/doctor
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor if you feel unwell.
P314	Get medical advice/attention if you feel unwell.
P331	Do NOT induce vomiting.
P370+P378	In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.
P501	Dispose of contents/container to a licensed disposal company.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Component	Concentration
Distillates, petroleum, hydrotreated light (CAS no.: 64742-47-8; EC no.: 265-149-8)	**15 - 40 % (weight)**
Solvent naphtha (petroleum), medium aliph (CAS no.: 64742-88-7; EC no.: 265-191-7; Index no.: 649-405-00-X)	**< 21 % (weight)**
Alkyl phenol (CAS no.; Proprietary)	**< 6 % (weight)**

SECTION 4: First-aid measures

4.1 Description of necessary first-aid measures

General advice — Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled — If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact — Wash with plenty of water for at least 15 minutes. Call a poison center or doctor if irritation develops or persists. Take off contaminated clothing and wash it before reuse.

Acute and delayed symptoms and effects: Causes skin irritation. Signs/symptoms may include localized redness, swelling, and itching.

In case of eye contact — Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center or doctor if you feel unwell.

Acute and delayed symptoms and effects: May cause eye irritation. Signs/symptoms may include redness, swelling, pain, tearing, and blurred or hazy vision.

If swallowed — Rinse mouth. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Call a poison center or doctor if you feel unwell.

Acute and delayed symptoms and effects: Harmful if swallowed. May cause gastrointestinal irritation. Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects:

Eye contact: May cause eye irritation
Inhalation: Harmful if inhaled. May cause respiratory irritation.
Skin contact: May cause skin irritation.
Ingestion: May be fatal if swallowed and enters airways. Irritating to mouth, throat and stomach

4.3 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. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

SECTION 5: Fire-fighting measures

5.1 Suitable extinguishing media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Specific hazards arising from the chemical
Combustible liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazards

5.3 Special protective actions for fire-fighters
Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Use personal protective equipment. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. For personal protection see section 8.

6.2 Environmental precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and materials for containment and cleaning up
SMALL SPILLS: Contain and absorb with absorbent material and place into containers for later disposal. Wash site of spillage thoroughly with water.

LARGE SPILLS: Dike far ahead of spill to prevent further movement. Recover by pumping or by using a suitable absorbent material and place into containers for later disposal. Dispose in suitable waste container.

Reference to other sections
Note: see Section 1 for emergency contact information and Section 13 for waste disposal

SECTION 7: Handling and storage

7.1 Precautions for safe handling
Avoid inhalation of vapour or mist. Use explosion-proof equipment. Keep away from sources of ignition - No smoking. Take measures to prevent the build up of electrostatic charge. For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities
Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Eliminate all ignition sources.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

CAS: (Proprietary)
Alkyl phenol
ACGIH: 2 mg/m3 TWA

CAS: 27178-16-1
Hexanedioic acid, 1,6-diisodecyl ester
ExxonMobil: 5 mg/m3 TWA

CAS: 64742-47-8 (EC: 265-149-8)
Distillates, petroleum, hydrotreated light
ACGIH: 200 mg/m³ TLV® inhalation

CAS: 64742-54-7 (EC: 265-157-1)
Distillates (petroleum), hydrotreated heavy paraffinic
ACGIH: 10 mg/m3 STEL inhalation
5 mg/m3 TWA inhalation
NIOSH: 10 mg/m3 STEL inhalation
5 mg/m3 TWA inhalation

CAS: 91-20-3
Naphthalene
Cal/OSHA: 10 ppm, (ST) 15 ppm PEL inhalation;
NIOSH: 10 ppm, (ST) 15 ppm REL inhalation;
OSHA: 10 ppm PEL inhalation; 50 mg/m3 PEL inhalation

8.2 Appropriate engineering controls

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, gas, etc.) below recommended exposure limits.

8.3 Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection
Safety glasses. If splash hazard, wear faceshield (8-inch minimum). Use equipment for eye protection that meets the standards referenced by OSHA regulations in 29 CFR 1910.133 for Personal Protective Equipment. Ensure that eyewash stations and/or safety showers are close to the workstation location.

Skin protection
Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body protection
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

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

Thermal hazards
No data available

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance/form (physical state, color, etc.)	Liquid, Clear Blue
Odor	Mild hydrocarbon
Odor threshold	Not available
pH	Not applicable
Melting point/freezing point	Not available
Initial boiling point and boiling range	>192 C
Flash point	75.56 C PMCC
Evaporation rate	Not determined
Flammability (solid, gas)	Not available
Upper/lower flammability limits	Not available
Vapor pressure	Not determined
Vapor density	Not determined
Relative density	0.833 g/cm3 at 15.56 C
Solubility(ies)	Insoluble in water
Partition coefficient: n-octanol/water	Not determined
Auto-ignition temperature	Not determined
Decomposition temperature	Not determined
Viscosity	approximately 5 cSt @40 deg C
Explosive properties	Not available
Oxidizing properties	Not available

SECTION 10: Stability and reactivity

10.1 Reactivity
No data available

10.2 Chemical stability
Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions
None under normal use conditions.

10.4 Conditions to avoid
Heat, flames and sparks.

10.5 Incompatible materials
Strong oxidizing agents, Strong bases, Strong acids, Amines

10.6 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
Alkyl phenol
LD50 Oral - Rat - 6000 mg/kg

Alkyl phenol
LD50 Skin - Rabbit - >2000 mg/kg

Alkyl phenol
NOAEL Oral - Rat - 25 mg/kg/bw/day - 90 days

Distillates, petroleum, hydrotreated light
LD50 Oral - Rat - > 5000 mg/kg

Distillates, petroleum, hydrotreated light
LD50 Skin - Rabbit - > 5,000 mg/kg

Distillates, petroleum, hydrotreated light
LC0 Inhalation - Rat - 4951 mg/m3 - 4 h
Result: Based on results obtained from tests on analogous products

Serious eye damage/irritation
May cause Eye Irritation.

Respiratory or skin sensitization
No data available

Germ cell mutagenicity
No data available

Carcinogenicity
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity
No data available

STOT-repeated exposure
No data available

Aspiration hazard
May be fatal if swallowed and enters airways.

SECTION 12: Ecological information

Toxicity
No data available on product

Persistence and degradability
This product is not expected to be readily biodegradable.

Bioaccumulative potential
No data available on product

Mobility in soil
No data available on product.

Results of PBT and vPvB assessment
PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects
No known significant effects or critical hazards.

SECTION 13: Disposal considerations

Disposal of the product
Offer surplus and non-recyclable solutions to a licensed disposal company. Contact a licensed professional waste disposal service to dispose of this material. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers

Disposal of contaminated packaging
This material and its container must be disposed of in a safe way. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers

Waste treatment
Dispose of surplus and non-recyclable products via a licensed waste disposal contractor.

Sewage disposal
Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction

SECTION 14: Transport information

DOT (US)
UN Number: NA1993
Class: Combustible Liquid
Packing Group: III
Proper Shipping Name: COMBUSTIBLE LIQUID, N.O.S. (Solvent naphtha (petroleum), medium aliphatic, Solvent naphtha (petroleum), light aromatic)
:
Note: Not regulated by DOT in containers with a capacity of 119 gallons or less.

IMDG
Not Regulated

IATA
Not Regulated

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations specific for the product in question

Pennsylvania Right To Know Components
Diisodecyl adipate CAS No. 27178-16-1

New Jersey Right To Know Components
Diisodecyl adipate CAS No. 27178-16-1

Massachusetts Right To Know Components
Distillates, petroleum, hydrotreated light
CAS-No. 64742-47-8

Pennsylvania Right To Know Components
Distillates, petroleum, hydrotreated light
CAS-No. 64742-47-8

New Jersey Right To Know Components
Distillates, petroleum, hydrotreated light
CAS-No. 64742-47-8

Massachusetts Right To Know Components
Chemical name: Naphthalene
CAS number: 91-20-3

New Jersey Right To Know Components
Common name: NAPHTHALENE
CAS number: 91-20-3

Pennsylvania Right To Know Components
Chemical name: Naphthalene
CAS number: 91-20-3

Canadian Domestic Substances List (DSL)
Chemical name: Naphthalene
CAS: 91-20-3

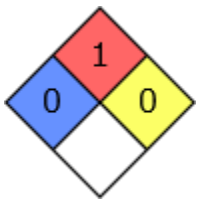
SARA 313 Components
The following components are subject to reporting levels established by SARA Title III, Section 313:
Naphthalene
CAS-No. 91-20-3

California Prop. 65 components
Chemical name: NAPHTHALENE
CAS number: 91-20-3
04/19/2002 - Cancer

HMIS Rating

LUCAS FUEL STABILIZER	
HEALTH	0
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSONAL PROTECTION	

NFPA Rating



SECTION 16: Other information

16.1 Further information/disclaimer

DISCLAIMER: The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigation to determine the suitability of information for their particular purposes. In no event shall Lucas Oil Inc. be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, whatsoever arising, even if Lucas Oil Inc. has been advised of the possibility of such damages.