

LUCAS MATERIAL SAFETY DATA SHEET

Lucas Upper Cylinder Lubricant

Product Code: 10003, 10013, 10020, 10023, 10080, 10090

DIVISION AND LOCATION --- SECTION I

Division: Lucas Oil Products, Inc. • 302 North Sheridan Street • Corona, CA 92880-2067

Emergency Telephone Number: (800) 342-2512

CHEMICAL AND PHYSICAL PROPERTIES --- SECTION II

Chemical Name: Petroleum hydrocarbon plus additives.

Formula: N/A

Hazardous Decomposition Products: Carbon monoxide and carbon dioxide from burning. Oxides from burning. Oxides of phosphorous from burning. Oxides of sulphur.

Incompatibility (keep away from): Strong oxidizers such as hydrogen peroxide, bromine, and chromic acid.

Toxic and Hazardous Ingredients: None

Form: Liquid Odor: Petroleum Appearance: Liquid Color: Light amber

Specific Gravity (water = 1): .89

Boiling Point: Greater than 371° C (700° F)

Melting Point: -18° C (0° F)

Solubility in Water (by weight %): -0- @ 20° C.

Volatile (by weight %): -0-

Evaporation Rate: -0-

Vapor Pressure (mm Hg @ 20° C): -0-

Vapor Density (air = 1): N/A

pH (as is): N/A

Stability: Product is stable under normal conditions

Viscosity cSt @ 100 degrees C: Greater than or = to 10

FIRE AND EXPLOSION DATA --- SECTION III

Special Fire Fighting Procedures (air): Do not use water except as fog

Unusual Fire and Explosion Hazards: None

Flashpoint: (Method Used) Cleveland open cup - greater than 204° C (399° F)

Flammable Limits%: N/A

Extinguishing Agent: Dry chemical, Waterfog, CO 2 or Foam. Closed containers exposed to fire may be cooled with water.

HEALTH HAZARD DATA --- SECTION IV

Permissible Concentrations (air): If used in applications where a mist may be generated, observe a TWA/PEL of 5 mg/m³ for mineral oil mist (OSHA and ACGIH).

Chronic Effects of Over-Exposure: Prolonged or repeated skin contact may cause dermatitis (skin irritation).

Acute Toxicological Properties: No data available.

Lucas Upper Cylinder Lubricant

Emergency First Aid Procedures:

Eyes: Flush with large amounts of water for a least 15 minutes. If irritation persists, call a physician.

Skin: Remove excess with cloth or paper. Wash thoroughly with soap and water.

Inhalation: Remove victim to fresh air. Call a physician.

Ingestion: Contact a physician immediately.

SPECIAL PROTECTION INFORMATION --- SECTION V

Ventilation type required (local, mechanical, special): None

Respiratory protection (specify type): None

Protective gloves: Neoprene type.

Eye protection: Chemical safety goggles.

Other protective equipment: None

HANDLING OF SPILLS OF LEAKS --- SECTION VI

Procedures for Clean-Up: Transfer bulk of mixture into another container. Absorb residue with an inert material such as earth, sand, or vermiculite. Sweep up and dispose as solid waste in accordance with local, state, and federal regulations.

Waste Disposal: Dispose of in accordance with all applicable federal, state and local regulations.

SPECIAL PRECAUTIONS --- SECTION VII

Precautions to be taken in handling and storage: Do not handle or store at temperatures over.....

Maximum Storage Temperature: 100° C (212° F).

TRANSPORTATION DATA --- SECTION VIII

D.O.T: Not regulated

Reportable Quantity: N/A

Freight Classification: Petroleum lubricating oil.

Special Transportation Notes: None

Prepared By: Dell Findley **Title:** Lab Technician **Original Date:** 07-01-94 **Updated:** 01-01-04

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.

This product is available in 12x1 cases of quart bottles, 4x1 cases of gallon bottles, five gallon pails and 55 gallon drums.



Material Safety Data Sheet

SECTION 1

PRODUCT AND COMPANY IDENTIFICATION

Product Name: Lucas Fuel Treatment

Product Description: Base Oil and Additives

Product Number: 10020, 10003, 10013

Intended Use: Fuel 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*
N/A		

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

HMS 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: >460°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

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: 460°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: 13.0

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

N/D

SECTION 12

ECOLOGICAL INFORMATION

N/D

SECTION 13

DISPOSAL CONSIDERATIONS

Disposal must be in accordance with current applicable laws and regulations.

SECTION 14

TRANSPORT INFORMATION

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