MATERIAL SAFETY DATA SHEET

SECTION I – IDENTITY AND RESPONSIBLE PARTY INFORMATION

Responsible Party: Lucas Products Corporation
Product Name: LUCASOL ™ ONE STEP ™

Address: 5663 Opportunity Dr.; P.O. Box 6570
Toledo, Ohio 43612

Transportation Emergency Telephone No. Prepared By Regulatory Affairs Department
For Chemical Emergency, Spill, Leak, Fire, Prepared for North America 800-424-9300
Exposure or Accident call CHEMTREC Day or Night
Domestic International 703-527-3887 (collect calls accepted)

Date Prepared: 4-15-03

SECTION II – HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

Hazardous Components
Specific Chemical Identity: Common Name(s) CAS #'s OSHA PEL ACGIH TLV Recommended % Optional
Alkyl dimethylbenzyl Ammonium Chloride 68391-01-5 N/A N/A N/A 2.25%
n-Alkyl Dimethylethylbenzyl Ammonium Chloride 68956-79-6 N/A N/A N/A 2.25%


HMIS RATING – HEALTH: 1 FLAMMABILITY: 0 REACTIVITY: 0 PERSONAL PROTECTION EQPT: B

SECTION III – PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: Approx 212° F
Specific Gravity (H 2O = 1): 1.040 ± 0.01
PH (conc.): 11.5
Vapor Pressure (mm Hg): Not Established
Percent Volatile By Weight (%): >95

Vaporization Rate (H 2O = 1): 1
Solubility in Water: Complete
Appearance and Fragrance: No Color/ No Fragrance

SECTION IV – FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used) – None
Flammable Limits – LEL – N/A UEL – N/A
Extinguishing Media – Water, CO2, Foam or media suitable for surrounding fire.

SECTION V – PHYSICAL HAZARDS

Stability Unstable
Incompatibility (Materials to Avoid) – Do not mix with other chemicals.
Hazardous Decomposition Products or By-products – Thermal decomposition on burning may produce toxic vapors or gases.

SECTION VI – HEALTH HAZARDS

Route(s) of Entry: Inhalation? Skin? Ingestion? X
Health Hazards (1. Acute and 2. Chronic) – 1. ACUTE: Harmful if swallowed. Eye and skin irritant. 2. CHRONIC: None Known.
Chemical Listed as Carcinogen National Toxicology Program No Monographs No
OSHA No X

Signs and Symptoms of Exposure – Irritation or burning sensation.
Medical Conditions Generally Aggravated by Exposure – May aggravate skin disorders or respiratory ailments.

SECTION VII – PRECAUTIONS FOR SAFE HANDLING AND USE

Steps to be Taken in Case Material is Released or Spilled – Wear appropriate protective equipment. If possible, contain spill and collect in approved container. Rinse affected area thoroughly with water. Keep product out of sewers or waterways. Hold for disposal.

Waste Disposal Method – Dispose of in accordance with local, state and federal regulations. If possible, triple rinse container, and recycle.

Other Precautions – Use only according to label directions. If unsure about safe use, contact your supervisor immediately.

SECTION VIII – CONTROL MEASURES

Respiratory Protection (Specify Type) – Not expected to be necessary under normal conditions of use. Where exposure cannot be adequately controlled by general or local ventilation, use appropriate respiratory protection to prevent over exposure. An approved dust/mist respirator would be recommended.
Ventilation – X Local Exhaust – As Necessary Mechanical (General) – Adequate Special – N/A Other – N/A

SECTION IX

NOTICE: NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR OF ANY OTHER NATURE, ARE MADE WITH RESPECT TO INFORMATION CONCERNING THE PRODUCT REFERRED TO IN THIS MATERIAL SAFETY DATA SHEET.

N/A (Not Applicable/Not Available) N/E (Not Established)