



# MATERIAL SAFETY DATA SHEET

## SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product identifier:** Lube Spray AD-90

**Product Number:** 3041

**Date Prepared:** March 1, 2011

**Manufacturer's name and address:** Refer to supplier

**Supplier name and address:**

### ***ALBATROSS USA INC./EXPERT WORLDWIDE***

36-41 36<sup>th</sup> Street  
Long Island City, New York  
United States  
11106  
718-392-6272

5439 San Fernando Road West  
Los Angeles, California  
United States  
90039  
818-543-5850

**Emergency Telephone #:** Chemtrec (Day or Night) 800-424-9300  
(For Chemical Emergency: Spill, Leak, Fire, Exposure or Accident)

This MSDS complies with 29CFR 19190.1200 (Hazard Communication Standard) and WHMIS regulations.

IMPORTANT: Read this MSDS before handling and disposing of this product. Pass this information on to employees, customers, and users of this product..

## SECTION 2 — HAZARDS IDENTIFICATION

**Emergency overview:** Aerosol: FLAMMABLE CONTENTS UNDER PRESSURE.  
Will be easily ignited by heat, spark or flames. May be harmful if absorbed through skin.  
Prolonged exposure may cause chronic effects.

### **Potential health effects:**

**Routes of exposure:** Inhalation. Eye contact. Skin contact. Ingestion.

**Eyes** Contact with eyes may cause irritation. Health injuries are know or expected under normal use.

**Skin** May be harmful if absorbed Irritating to skin.

**Inhalation** Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Prolonged inhalation may be harmful.

**Ingestion** Exposure by ingestion of an aerosol is unlikely. Components of the product may be absorbed into the body by ingestion.

**Target organs:** 2-Butoxy ethanol may be absorbed through the skin in toxic amounts if contact is repeated and prolonged and may cause blood damage. These effects have not been observed in humans. Blood. Central nervous system. Lungs.

**Chronic effects:** Unconsciousness. Cyanosis (blue tissue condition, nails, lips, and/or skin). May be harmful if absorbed through skin. May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion and burred vision) and/or damage. May cause delayed lung injury.

**Signs and symptoms** Discomfort in the chest. Narcosis. Cyanosis (blue tissue condition, nails, lips, and/or skin). Coughing. Jaundice..

### SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

Components	CAS #	Percent
Synthetic Isoparaffinic Hydrocarbon	64742-47-8	50-60
Propane	74-98-6	8-10
2-Butoxyethanol	111-76-2	8-10
Non-hazardous and other components below reportable levels		20-40

### SECTION 4 — FIRST AID MEASURES

#### First aid procedures

<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops or persists.
<b>Skin contact</b>	Immediately flush skin with plenty of water. Remove and isolate contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash off with warm water and soap. For minor skin contact, avoid spreading material on unaffected skin. Wash clothing separately before reuse.
<b>Inhalation</b>	Move to fresh air. Get medical attention if irritation persists.
<b>Ingestion</b>	Never give anything by mouth to a victim who is unconscious or is having convulsions. Do not induce vomiting without advice from poison control center. Do not use mouth-to-mouth method if victim ingested the substance. Induce artificial respiration with aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Call a physician immediately.

**Notes to physician** Symptoms may be delayed.

### SECTION 5 — FIRE FIGHTING MEASURES

**Flammable properties** Vapor or gas may spread to distant ignition sources and flash back. Runoff to sewer may cause fire or explosion hazard.

#### Extinguishing media

**Suitable extinguishing media** Water. Water spray. Water fog. Alcohol foam. Dry chemical. Carbon dioxide (CO<sub>2</sub>).

#### Protection of firefighters

**Specific hazards arising from the chemical** Fire may produce irritating, corrosive and/or toxic gases.

**Protective equipment and precautions for firefighters** In case of fire and/or explosion do not breathe fumes.

Containers should be cooled with water to prevent vapour pressure build up. Cool containers with flooding quantities of water until well after fire is out.

### SECTION 6 — ACCIDENTAL RELEASE MEASURES

**Methods for containment:** Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Stop the flow of material, if this is without risk. Use water spray to reduce vapors or divert vapour cloud drift.

**Methods for cleaning up:** Should not be released into the environment. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

**Small Spills:** Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly to remove residual contamination. After removal flush contaminated area thoroughly with water.

### SECTION 7 — HANDLING AND STORAGE

**HANDLING:** Pressurized container: Do not pierce or burn, even after use. Do not smoke while using or until sprayed surface is thoroughly dry. Use only in area provided with appropriate exhaust ventilation. Do not use if spray button is missing or defective. Do not re-use empty containers. Do not get this material in contact with skin. Wear personal protective equipment. Avoid prolonged exposure.

**STORAGE:** Store locked up. Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Do not handle or store near an open flame, heat or other sources of ignition. Avoid exposure to long periods of sunlight. Store in cool place. Keep in an area equipped with sprinklers. Keep out of the reach of children. Keep away from food, drink and animal feeding stuffs. Level 3 Aerosol.

## SECTION 8 — EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure limits

#### ACGIH

Components	CAS #	TWA	STEL	Ceiling
Propane	74-98-6	1000 ppm	Not established	Not established
2-Butoxethanol	111-76-2	20 ppm	Not established	Not established

#### OSHA

Components	CAS #	TWA	STEL	Ceiling
Propane	74-98-6	1000 ppm	Not established	Not established
2-Butoxethanol	111-76-2	50 ppm	Not established	Not established

### Personal protective equipment

<b>Eye / face protection</b>	Not normally needed.
<b>Skin protection</b>	Wear appropriate chemical resistant clothing. Wear chemical protective equipment that is specifically recommended by manufacturer.
<b>Respiratory protection</b>	Wear positive pressure self-contained breathing apparatus (SCBA). If permissible levels are exceeded use NIOSH mechanical filter / organic vapour cartridge or an air-supplied respirator.

## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	Compressed liquefied gas.
<b>BOILING POINT</b>	332.6° F (167.2°C) estimated.
<b>COLOR:</b>	Amber
<b>FREEZING POINT</b>	Not available
<b>FLASH BACK</b>	Yes
<b>FLASH POINT</b>	-156°F (-104.4°C) Propellant
<b>FLAMMABILITY (HOC):</b>	37.9966 kJ/g estimated
<b>FLAMMABILITY (FLAME EXTENSION)</b>	33 in
<b>SPECIFIC GRAVITY:</b>	0.777
<b>FORM</b>	Aerosol
<b>pH</b>	Not applicable
<b>PHYSICAL STATE</b>	Liquid
<b>PRESSURE</b>	38-48 psig @ 70F
<b>SOLUBILITY</b>	Partially
<b>DENSITY</b>	0.7769 g/cm <sup>3</sup> estimated
<b>ODOR</b>	Slight

## SECTION 10 — STABILITY AND REACTIVITY

**Chemical stability** Risk of ignition.

**Conditions to avoid**

Heat, flames and sparks

**SECTION 11 — TOXICOLOGICAL PROPERTIES**

**Acute effects:** Acute LD50: 1387 mg/kg estimated, Rat, Dermal  
Acute LD50: 5 mg/l/4h estimated, Rat, Inhalation

**Component analysis – LD50****Toxicology Data – Selected LD50s and LC50s**

2-Butoxyethanol	111-76-2	Inhalation LC50 Rat 2.21 mg/L 4 h; Inhalation LC50 Rat 450 ppm 4 h; Oral LD50 Rat 470 mg/kg; Dermal LD50 Rat 2270 mg/kg; Dermal LD50 Rabbit 220 mg/kg
Propane	74-98-6	Inhalation LC50 Rat 658 mg/L 4 h
Synthetic Isopara Hydrocarbon	64742-47-8	Inhalation LC50 Rat >5.2 mg/L 4 h; Oral LD50 Rat >5000 mg/kg; Dermal LD50 Rabbit >2000 mg/kg

**SECTION 12 — ECOLOGICAL INFORMATION**

**Ecotoxicity** Components of this product have been identified as having potential environmental concerns.  
LC50 78.96 mg/L estimated, Fish, 96 hours,  
EC50 7019 mg/L estimated, Daphnia, 48 hours

**SECTION 13 — DISPOSAL CONSIDERATIONS**

**Waste codes** D001: Waste Flammable material with a flash point <140 F

**Disposal instructions** Contents under pressure. Dispose of this material and its container at hazardous or special waste collection point. Do not incinerate sealed containers. If discarded, this product is considered a RCRA ignitable waste, D001.

**SECTION 14 — TRANSPORTATION INFORMATION****DEPARTMENT OF TRANSPORTATION (DOT) REQUIREMENTS****Basic shipping requirements**

<b>Proper shipping name</b>	Consumer commodity
<b>Hazard class</b>	ORM-D
<b>Subsidiary hazard class</b>	None
<b>Additional information:</b>	
<b>Packaging exceptions</b>	156, 306
<b>Packaging non bulk</b>	156,306
<b>Packaging bulk</b>	None

**IMDG****Basic shipping requirements:**

<b>Proper shipping name</b>	Aerosols
<b>Hazard class</b>	2.1
<b>UN number</b>	1950
<b>Additional information:</b>	
<b>Packaging exceptions</b>	LTD QTY
<b>Labels required</b>	2.1

**IATA****Basic shipping requirements:**

<b>Proper shipping name</b>	Aerosols, flammable
<b>Hazard class</b>	2.1
<b>UN number</b>	1950
<b>Additional information:</b>	
<b>Packaging exceptions</b>	LTD QTY
<b>Labels required</b>	2.1

**SECTION 15 — REGULATORY INFORMATION**

**U.S. FEDERAL REGULATIONS:** This product is a “hazardous Chemical” as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
CERCLA/SARA hazardous substances – not applicable

**U.S. – CERCLA/SARA – Section 313 Emission Reporting**

2-Butoxyethanol	111-76-2	1.0 % de minimis concentration (applies to R-(OCH <sub>2</sub> CH <sub>2</sub> ) <sub>n</sub> -OR', where n=1,2, or 3, R=alkyl C7 or less, or R = phenyl or alkyl substituted phenyl, R' = H or alkyl C7 or less, or OR' consisting of carboxylic acid ester, sulfate, phosphate, nitrate, or sulfanate, chemical category N230)
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**Occupational Safety and Health Administration (OSHA)**

**29 CFR 1910.1200 hazardous chemical:** Yes

**CERCLA (Superfund) reportable quantity** None

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Section 302 extremely Hazard substance** No

**Section 311 hazardous chemical** Yes

**Hazard categories (311/312)**

Immediate Hazard – Yes  
Delayed Hazard – Yes  
Fire Hazard – Yes  
Pressure Hazard – Yes  
Reactivity Hazard - Yes

**Inventory status**

Country(s) or region	Inventory name	On inventory (yes/no)*
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of New and Existing Chemicals (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A “Yes” indicates that all components of this product comply with the inventory requirements administered by the governing country(s).

**State regulations:****U.S. – Pennsylvania – RTK (Right to Know) List**

2-Butoxyethanol	111-76-2	Present
Propane	74-98-6	Present
Synthetic Isoparaffinic Hydrocarbon	64742-47-8	Present

**SECTION 16 — OTHER INFORMATION**

**Further information** HMIS® is registered trade and service mark of the NPCA

**HMIS RATING:** HEALTH – 2\*  
FLAMMABILITY - 4

PHYSICAL HAZARD - 0

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**Disclaimer:** The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty of quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. The information in the sheet was written based knowledge and experience currently available.

**MSDS sections updated** Product and Company Identification: Product and Company Identification Composition/Information on Ingredients: Ingredients Physical & Chemical Properties: Fire Fighting Measures

**Prepared by:** Regulatory Compliance.