



# MATERIAL SAFETY DATA SHEET

## SECTION 1 — PRODUCT IDENTIFICATION

**Product Identifier:** AlbaChem® Dry Silicone

**Product Number:** 1652 (Expert Silicone Dry #1650)

**CAS Number:** Mixture See Section 2

**Product Family:** Aerosol Lubricant

**HMIS:** Health 1, Flammability 4, Physical Hazard 0, Personal Protection B

**NFPA Rating As An Aerosol:** Level Three

**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 OSHA Hazard Communication Standard 29 CFR 1910.1200

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

## SECTION 2 — HAZARDOUS COMPONENTS

COMPONENT NAME(S)	EXPOSURE LIMITS		CONCENTRATION (%)
	CAS NO		
Propane	74-98-6		50-55
Synthetic Isoparaffinic Hydrocarbon	64742-47-8	1-5	
Pentane	109-66-0		35-40
Polydimethylsiloxane	63148-62-9		1-5

## SECTION 3 — HAZARDOUS IDENTIFICATION

### **EMERGENCY OVERVIEW:**

**DANGER!** Extremely Flammable. Contents under pressure. Mist or vapour may irritate the eyes, mucous membranes, and respiratory tract. ASPIRATION into the lungs may cause pulmonary edema and chemical pneumonia. Product may be harmful or fatal if inhaled.

**Major Route(s) of Entry:** Inhalation, Eye contact, Skin contact

**Signs and symptoms of Acute Exposure**

**EYE CONTACT:** Considered slightly irritating to the eye. May cause stinging, watering, swelling, and redness. Vapors may irritate eyes. Slight corneal injury could occur.

**SKIN CONTACT:** Prolonged or repeated exposure may cause skin irritation. Repeated contact may cause drying and flaking of skin. May cause allergic skin reaction in susceptible individuals. Chronic symptoms may include dryness, swelling, scaling, blistering, cracking, and severe tissue damage.

**SKIN ABSORPTION:** A single prolonged skin exposure is not likely to result in harmful amounts.

**INGESTION:** ASPIRATION HAZARD. Aspiration of this material into the lungs can cause chemical pneumonitis which can be fatal. If aspirated, it may be rapidly absorbed through the lungs and result in injury to other body systems. May cause weakness and gastrointestinal tract irritation. May irritate the mucous membranes of the mouth, throat, and esophagus. It can be readily absorbed through the stomach and intestinal tract. Symptoms include a burning sensation of the mouth, and esophagus, nausea, vomiting, dizziness, staggering gait, drowsiness, loss of consciousness and delirium. Additional central nervous system effects may occur prior to the onset of convulsions, coma and death.

**INHALATION:** Breathing high concentrations of vapour may cause respiratory irritation, euphoria, excitation, or giddiness, headache, nausea, vomiting, abdominal pain, loss of appetite, fatigue, muscular weakness, staggering gait, and CNS depression, (which includes dizziness, drowsiness, disorientation, vertigo, memory loss, visual disturbances, difficulty with breathing, convulsions, unconsciousness, paralysis, coma and even death). Irritation may occur to the mucous membranes of the respiratory tract. A loss of appetite, lassitude, light-headedness, in-coordination, respiratory arrest, convulsions, semi-consciousness may result from extreme exposure.

**CHRONIC HEALTH EFFECTS SUMMARY:** Chronic effects of ingestion and subsequent aspiration into the lungs may cause pneumatocele (lung cavity) formation and chronic lung dysfunction.

**CONDITIONS AGGRAVATED BY EXPOSURE:** Personnel with pre-existing central nervous system diseases, neurological conditions, skin disorders, impaired liver or kidney function, or chronic respiratory diseases.

**TARGET ORGANS:** This substance is toxic to lungs by chemical pneumonitis.

**CARCINOGENIC POTENTIAL:** This material does not contain any components at concentrations above 0.1% which are considered to be carcinogenic by OSHA, IARC, or NTP.

OSHA Health Hazard Classification			OSHA Physical Hazard Classification			
Irritant	No	Toxic	No	Combustible	Explosive X	Pyrophoric
Sensitizer	No	Highly Toxic	No	Flammable X	Oxidizer	Water-Reactive
Corrosive	No	Carcinogenic	No	Compressed Gas X	Organic Peroxide	Unstable

## SECTION 4 — FIRST AID MEASURES

**Take proper precautions to ensure your own health and safety before attempting rescue or providing first aid. For more specific information, refer to Exposure Controls and Personal Protection in Section 8 of this MSDS.**

**EYE CONTACT:** Flush with large amounts of water, occasionally lifting upper and lower eyelids. Get medical attention.

**SKIN CONTACT:** Thoroughly wash exposed area with soap and water. Remove contaminated clothing and launder it before reuse. Should any irritation persist, get medical attention.

**INHALATION:** If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm and quiet. Get medical attention.

**INGESTION:** Ingestion is not considered a potential route of exposure as an aerosol but, if swallowed, **do not induce vomiting.** If spontaneous vomiting is about to occur, place victims head between their knees to prevent aspiration. Call a physician or transport to an emergency facility.

## SECTION 5 — HEALTH HAZARD DATA

**NFPA Flammability Classification: LEVEL 3 Aerosol****FLASHPOINT:** Not Determined**FLAMMABLE LIMITS: UEL 8.4% LEL 1.3%****EXTINGUISHING MEDIA:** AS APPROPRIATE FOR COMBUSTIBLES IN AREA.

**SPECIAL FIREFIGHTING PROCEDURES:** Wear self-contained breathing apparatus when fighting fires containing or around this product. Shut off all sources of ignition, if possible. Keep exposed containers cool with water spray to prevent rupture. Evacuate all non-trained personnel. Wear full protective clothing, including helmet. Ventilate area. Contain spill and dike, if possible. For leaks or spills water spray can be used to disperse any flammable vapors that may become concentrated or form in poorly ventilated areas and to protect personnel attempting to stop the leak.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Firefighters should wear SCBA's in a positive pressure mode with full face shield. Vapors are heavier than air and may travel long distances and accumulate in low areas or spread along ground from handling site. Eliminate all sources of ignition. Never use welding or cutting torch on or near this product because even just residue can ignite explosively.

**SECTION 6 —ACCIDENTAL RELEASE MEASURES**

**Take proper precautions to ensure your own health and safety before attempting spill control or clean-up.**

Ventilate area-especially low places where heavy vapors might collect. Extinguish all ignition sources. For small spills/leaks mop, wipe, or soak up on an inorganic material immediately. Remove to vent hood or outside. For large spills/leaks evacuate area, contain spill (dike area), and transfer contained liquid to a DOT approved container for disposal. Keep out of water supply. Refer to other sections of this MSDS for information regarding physical and health hazards, respiratory protection, ventilation, and personnel protective equipment.

**SECTION 7 — ENVIRONMENTAL AND DISPOSAL INFORMATION**

Store in tightly sealed containers. Keep away from heat, sparks & open flame. Do not get in eyes, on skin or clothing. Do not breathe vapour, mist or gas. Do not store or transfer to an unmarked container. Do not throw empty containers in trash compactor. Do not store in direct sun. Store containers below 120°F. Read label before using.

**SECTION 8 — EXPOSURE CONTROLS AND PERSONAL PROTECTION**

**ENGINEERING CONTROLS:** Control airborne concentrations below the exposure limits see below. Use only with adequate ventilation. Local exhaust ventilation may be necessary for some operations. Lethal concentrations may exist in areas with poor ventilation.

**PERSONAL PROTECTIVE EQUIPMENT:** Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to OSHA regulations. Minimum requirements are: SAFETY GLASSES and GLOVES.

**RESPIRATORY PROTECTION (SPECIFY TYPE):** If workplace exposure limit(s) of product or any component is exceeded (see Section two), a NIOSH approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH respirators (negative pressure type) under

specified conditions (see your safety equipment supplier). Engineering or administrative controls should be implemented to reduce exposure.

**HAND PROTECTION:** For brief contact, no precautions should be needed. When prolonged or frequently repeated contact could occur, use protective gloves such as; polyvinyl alcohol or polyethylene.

**EYE PROTECTION:** Chemical splash goggles in compliance with OSHA regulations are advised; OSHA regulations also permit other type of safety glasses (consult your safety equipment supplier).

**BODY PROTECTION:** To prevent repeated or prolonged skin contact, use protective clothing impervious to this product. Selection of specific items such as gloves, boots, apron, or full body suit will depend on operation.

#### OCCUPATIONAL EXPOSURE GUIDELINES:

Substance	Applicable Workplace Exposure Levels
	OSHA PEL
	ACGIH
Propane	1000 ppm
Synthetic Isoparaffinic Hydrocarbon	300 ppm
Pentane	600 ppm
Polydimethylsiloxane	NE

## SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

SPECIFIC GRAVITY: 0.73-0.77 (Water = 1)

BOILING POINT RANGE: N/D

VAPOR PRESSURE (mmHg or psig @ 70°F): 70-80 psig

SOLUBILITY IN WATER % BY WT.: Slight

VOLATILE ORGANIC COMPOUNDS (VOCs) Content: ~60%

COLOR: Colorless

pH: N/A

ODOR: Petroleum

VAPOR DENSITY: (Air = 1) Heavier Than

MELTING POINT/FREEZING POINT: N/D

VISCOSITY: (cps @ 70°F) >100 cps

## SECTION 10 — STABILITY AND REACTIVITY

**STABILITY:** Stable, avoid open flames, welding arcs or other high temperature sources which induce thermal decomposition and direct sunlight.

**INCOMPATABILITY:** Avoid contact with strong acids (nitric acid, acetic acid, and sulphuric acid), alkalies, and strong oxidizers such as liquid chlorine, other halogens, hydrogen peroxide, and oxygen.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon dioxide, and carbon monoxide, irritating aldehydes and ketones may form upon burning.

**HAZARDOUS POLYMERIZATION:** Will not occur

## SECTION 11 — TOXICOLOGICAL INFORMATION

No toxicological studies have been conducted on this product.

## SECTION 12 — ECOLOGICAL INFORMATION

No ecological studies have been conducted on this product.

**ECOTOXICITY:** If spilled any water or soil contamination may be hazardous to human, animal and aquatic life.

**ENVIRONMENTAL FATE:** The chemicals in this product are potentially toxic to freshwater and salt water ecosystems. They will normally float on water with their lighter components evaporating rapidly. In stagnant or slow-flowing waterways, a hydrocarbon layer can cover a large surface area. As a result this layer might limit or eliminate natural atmospheric oxygen transport into the water. Which with time could lead to a fish kill or an anaerobic environment.

## SECTION 13 — DISPOSAL CONSIDERATIONS

Hazard characteristics and regulatory waste stream classification can change with product use. It is the responsibility of the user to determine the proper storage, transportation, treatment and/or disposal methodologies for spent materials and residues at the time of disposition.

When disposing of unused contents, the preferred options are to send to licensed reclaimers or to permitted incinerators. Any disposal practice must be in compliance with federal, state, and local laws and regulations. Do not dump into sewers, on the ground, or into any body of water.

EFP Hazardous Waste Number (RCRA): D001 (Ignitable)

## SECTION 14 — TRANSPORT INFORMATION

**DOT STATUS:** This material is regulated by the U.S. Department of Transportation (DOT).

**PROPER SHIPPING NAME:** (to ship on the ocean):

Aerosols, Flammable (each not exceeding 1L capacity), 2.1, UN1950, LTD. QTY

**HAZARD CLASS:** 2.1

**PACKING GROUPS:** CFR49---None for aerosols

**PLACARDS:** None Required

**EMERGENCY RESPONSE GUIDE NO:** 126

## SECTION 15 — REGULATORY INFORMATION

**TOXIC SUBSTANCES CONTROL ACT (TSCA) STATUS:** Listed

**311/312 HAZARD CATEGORIES:**

Fire Hazard: Yes Pressure Hazard: Yes Reactivity Hazard: Yes Immediate Hazard: No Delayed Hazard: Yes

**SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA) TITLE III:**

<b>CHEMICAL</b>	<b>CAS NUMBER</b>	<b>CONCENTRATION %</b>
None Listed		

**FEDERAL EPA: Comprehensive Environmental Response, Compensation, and Liability Act of 1980**

(**CERCLA**) requires the notification of the National Response Center of release of quantities of hazardous substances equal to or greater than the reportable quantities (rqs) in 40 CFR 302.4

<b>CHEMICAL</b>	<b>CAS NUMBER</b>	<b>CONCENTRATION %</b>	<b>UPPER BOUND</b>	<b>RQs IN #</b>

**CALIFORNIA PROPOSITION 65** None Listed

**MASSACHUSETTS RIGHT TO KNOW: Yes**

Propane	74-98-6	50-55
Pentane	109-66-0	35-40

**PENNSYLVANIA RIGHT TO KNOW: Yes**

Propane	74-98-6	50-55
Pentane	109-66-0	35-40

**NEW JERSEY RIGHT TO KNOW: Yes**

Propane	74-98-6	50-55
Pentane	109-66-0	35-40

**SECTION 16 — OTHER INFORMATION****REVISION INFORMATION**

VERSION NUMBER: 1.0002

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PRINT DATE: February 7, 2008

**ABBREVIATIONS:**

N/A: Not Applicable

N/D: Not Determined

NE: Not Established

IARC: International Agency for Research on Cancer

ACGIH: American Conference of Governmental Industrial Hygienists

OSHA: Occupational Safety and Health Administration

HMIS: Hazardous Materials Information System

NFPA: National Fire Protection Association

EPA: Environmental Protection Agency

NIOSH: National Institute of Occupational Safety and Health

**DISCLAIMER OF LIABILITY:**

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