

ENVIROSAFE CHEMICALS CANADA

CLEAR LUBE

FOOD GRADE SILICONE SPRAY

A HARDWORKING RELEASE AGENT SPECIFICALLY FORMULATED FOR COMPANIES IN THE FOOD PROCESSING AND PACKAGING INDUSTRIES.

- Multipurpose, Multiuse
- Colourless, Odourless, Non-staining
- Heat stable, prevents sticking.
- Contains No Ozone Depleters
- Non-chlorinated, Non-carcinogenic

CLEAR LUBE - Food grade, high tech silicone spray is formulated specifically for the needs of the food industries. **CLEAR LUBE** meets USDA requirement for use in federally inspected meat and poultry plants. Meets 21 CFR 175.300 for Resinous and Polymerous coatings for use in producing, manufacturing, packing, processing preparing, treating, packaging, transporting, or handling food. **CLEAR LUBE** silicone spray prevents corrosion on metals, reduces friction on surfaces, lubricates and quiet moving parts, and dress and detail rubber, plastic, vinyl and other materials. **CLEAR LUBE** ends "Poly Buildup" on the mandrels, transfer chutes, and guide rails of the Pure-Pak paper milk carton machines, prevents jamming and production slowdown. **KEEPS FOOD FROM STICKING.**

USES – CLEAR LUBE food grade silicone spray is ideally suited for ice machines, knives, cutting tables and blades, conveyor system maintenance, bottling/canning machinery, bakery equipment, dairy equipment, feed racks, in bars and restaurants, cooking vassals, slicing machines, mixers, cooking coils, freezing trays, bake tins, conveyors, grinders, evaporators, ovens hand equipment, saw, virtually any equipment or machinery in or near food related areas.

DIRECTIONS – Thoroughly clean the surface to be sprayed. Hold can upright and spray onto desired surface from a distance of 6-8 inches. Spray in a sweeping side-to-side motion. Any accumulation will dry out unassisted. Use only the minimum amount of spray necessary to provide the required anti-stick properties.

NOTE – Protect surrounding areas from slippery over spray when needed.

TECHNICAL DATA SHEET

ENVIROSAFE CHEMICALS CANADA MATERIAL SAFETY DATA SHEET

SECTION 1-PRODUCT IDENTIFICATION AND USE

CLEAR LUBE

PRODUCT IDENTIFIER: **CLEAR LUBE** PRODUCT IDENTIFICATION NUMBER (PIN) **CL300gm**
PRODUCT USE: **FOOD GRADE SILICONE AEROSOL SPRAY**
MANUFACTURER'S NAME: **ENVIROSAFE CHEMICALS CANADA**
ADDRESS: **PO Box 1792 – 10011 Thatcher Avenue**
CITY: **North Battleford** PROVINCE: **SK** POSTAL CODE: **S9A 3W8** TEL: **306-446-0505**

SECTION 2-HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	%	CAS NUMBER	LD50 OF INGREDIENT	LC OF INGREDIENT	TLV(ACGIH)
			SPECIFY SPECIES AND ROUTE)	(SPECIFY SPECIES)	
HEXANE	110-54-3	15-40%	28.7 g/kg, rat	50 ppm	N/A
ISOBUTANE	75-28-5	30-60%	800 ppm	57 PPH/15m. Rat	N/A
DIMETHYL SILOXANE	63148-62-9	5-10%	N/A	not listed	N/A

SECTION 3-PHYSICAL DATA

PHYSICAL STATE: **Liquid** ODOUR AND APPEARANCE: **Clear Spray Solvent Odour, Water White.** ODOUR THRESHOLD (PPM): **N/A**
VAPOUR PRESSURE: **40** (mm Hg) VAPOUR DENSITY: **4.0** (AIR=1) EVAPORATION RATE: **N/A**
BOILING POINT (°C)°F **N/A** FREEZING POINT(°): **N/A** pH: **N/A**
SPECIFIC GRAVITY: **0.60** (WATER=1) COEFF. WATER/OIL DIST.: **N/A**

SECTION 4-FIRE AND EXPLOSION DATA

FLAMMABILITY: **Flammable IF YES UNDER WHICH CONDITION? Open flames, sparks, avoid heat.**
MEANS OF EXTINCTION: **Use dry chemical, carbon dioxide, fog or foam extinguishers. Water spray only to cool containers.** FLASHPOINT (°C) AND METHOD:°F:**-107°C**Water
UPPER FLAMMABLE LIMIT (% BY VOLUME): °C **8.5%** LOWER FLAMMABLE LIMIT (% BY VOLUME): °C **1.9%**
AUTOIGNITION TEMPERATURE (°C): **N/A** HAZARDOUS COMBUSTION PRODUCTS: **gases Produced in a fire include carbon monoxide, carbon Dioxide and silicon dioxide.**
EXPLOSION DATA SENSITIVITY TO IMPACT: **Container could burst or be punctured upon Mechanical impact, releasing flammable vapours.** SENSITIVITY TO STATIC DISCHARGE: **The solvents in this product present a fire hazard if exposed to a Static discharge.**

SECTION 5 REACTIVITY DATA

CHEMICAL STABILITY: **Product is stable under normal temperatures and pressure.**
IF NO? UNDER WHICH CONDITION?
INCOMPATIBILITY WITH OTHER SUBSTANCES: **Avoid heat, sparks, welding areas, and open flame, other sources of ignition.**
REACTIVITY, AND UNDER WHAT CONDITIONS: **Toxic gases may be produced in fire. Vapours are heavier than air and travel along the ground or may be moved by ventilation and ignited by ignition sources at distant Locations from material handling point. Do not puncture or heat cans above 55°C may cause cans to burst.**
HAZARDOUS DECOMPOSITION PRODUCTS: **Carbon monoxide, carbon dioxide and silicon dioxide.**

TECHNICAL DATA SHEET

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PRODUCT IDENTIFICATION: CLEAR LUBE

SECTION 6-TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: Contact and inhalation.

SKIN: x **SKIN ABSORPTION:** x **EYE CONTACT:** x **INHALATION:** x **INGESTION:** x

EFFECTS OF ACUTE EXPOSURE TO PRODUCT: Irritation, headache, dizziness, giddiness, light-headedness, Drowsiness, eye redness, tearing, blurred vision, lethargy, breathing difficulty, chest pain, coughing, dry skin, abdominal pain, cramps, nausea, vomiting, unconsciousness, asphyxiation.

EFFECTS OF CHRONIC EXPOSURE TO PRODUCT: Long-term overexposure to the solvents in this product may lead to headaches, loss of appetite, nausea, liver and kidney damage, eye damage, drying and cracking of skin. Some solvents have been shown to cause hazardous reproductive effects.

EXPOSURE LIMITS: Hexane 28.7 g/kg, rat LD50 dermal, Isobutane LC50 57pph15M, rat

IRRITANCY OF PRODUCT: Central Nervous System, Lung, Skin, and Eye. Skin and eye irritant.

SENSITIZATION OF PRODUCT: Aggravated by overexposure, Asthma, dermatitis, liver and kidney diseases.

CARCINOGENICITY: None known

TERATOGENICITY: None known

REPRODUCTIVE TOXICITY: None known

MUTAGENICITY: None known

SYNERGISTIC PRODUCTS: None known

SECTION 7-PREVENTIVE MEASURES

PERSONAL PROTECTIVE EQUIPMENT:

GLOVES: Solvent Resistant **RESPIRATOR:** Full face piece respirator with an **EYE:** Safety Glasses
Organic vapour cartridge/canister

FOOTWEAR: Solvent Resistant **CLOTHING:** Solvent Resistant **OTHER:** N/A

ENGINEERING CONTROL (SPECIFY, EG. VENTILATION ENCLOSED PROCESS): general ventilation may be acceptable to meet exposure limits.

LEAK AND SPILL PROCEDURE: EXTREMELY FLAMMABLE. ELIMINATE ALL SOURCES OF IGNITION. Restrict Persons not wearing protective equipment from area until cleanup is complete. Ventilate area of spill. Absorb liquids in vermiculite, dry sand, earth, or a similar material and deposit in sealed containers.

WASTE DISPOSAL: Dispose of in accordance with all Federal, Provincial and Local rules.

HANDLING PROCEDURES AND EQUIPMENT: Solvents used in this product are EXTREMELY FLAMMABLE. Store in a cool, dry area out of direct sunlight. Store away from all sources of ignition. Do not store above 49°C. Use only in well-ventilated areas.

STORAGE REQUIREMENTS: same as handling procedures.

SPECIAL SHIPPING INFORMATION: Label as 'Consumer Commodity.'

SECTION 8-FIRST AID MEASURES

EYE: Treat eye promptly, flush with copious amounts of water for 15 min. call a physician.

SKIN: Wash with soap and water for 15 min. call a physician.

INHALATION: Remove to fresh air. Apply artificial respiration if necessary call a physician.

INGESTION: DO NOT INDUCE VOMITING. IMMEDIATELY call a hospital or poison control centre. If victim is conscious and not convulsing, give 1 or 2 glasses of water to dilute the chemical. If the victim is convulsing or unconscious DO NOT give anything by mouth, ensure that the victim's airway is open and lay victim on his/her side with the head lower than the body. Seek medical attention.

SECTION 9-PREPARATION DATE OF MSDS

PREPARED BY: ENVIROSAFE TECHNICAL DEPT. **PHONE NUMBER:** 306-446-0505 WHILE THE INFORMATION AND RECOMMENDATIONS CONTAINED HEREIN ARE BELIEVED TO BE ACCURATE AS OF THE DATE LISTED, ENVIROSAFE CHEMICALS CANADA MAKES NO WARRANTY WITH RESPECT THERETO AND DISCLAIMS ALL LIABILITY FROM RELIANCE HERE ON. All components of this product are listed in either the Canadian Domestic Substance List (DSL) or on non-domestic substances list (NDSL).

PREPARED BY ENVIROSAFE TECHNICAL DEPT PHONE NUMBER: 306-446-0505 DATE October 04, 2007

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