

## L-1331 Foaming Cleaner & Degreaser

### Product Description

**L-1331** is a highly concentrated foaming cleaner, formulated for fast removal of fats, oils, greases and other difficult soils. **L-1331** contains powerful biodegradable surfactants, emulsifiers, safe solvents, corrosion inhibitors, chelating agents, and special grease dissolving chemicals. **L-1331** works in many difficult cleaning applications where ordinary liquid degreasers fail. Authorized by USDA for use in federally inspected meat and poultry plants.

### Directions For Use

Remove or carefully cover all food products and packaging before cleaning any food processing surface.

**FOOD PROCESSING EQUIPMENT, FLOORS, WALLS, CEILINGS:** Dilute one part cleaner to 10 to 50 parts water. Apply by mop, spray, foaming or automatic machine. Allow cleaner to remain on the surface for 1 to 3 minutes, then rinse away the soils with water. Clean aluminum surfaces with care and rinse immediately.

**STEAM, PRESSURE AND FOAM CLEANING:** Dilute 1:10 to 1:50 depending on the amount and type of soil. Follow machine directions for the proper cleaning application. Let soak and the rinse away the soil.

### Cautions

**WARNING. KEEP OUT OF REACH OF CHILDREN.** Contains Potassium Hydroxide. **Eyes:** If eye contact occurs, flush immediately with water for at least 15 minutes. Seek medical attention.

**Skin:** Remove contaminated clothing. Wash from skin with water. Wash contaminated clothing before reuse. For more safety and handling instructions, see Material Safety Data Sheet.

### Specifications

<i>Odor</i>	"Butyl" odor
<i>Appearance</i>	Clear, Pale Liquid
<i>pH</i>	14.0 ( $\pm$ 0.5)
<i>Specific Gravity</i>	(H <sup>2</sup> O=1) 1.090 $\pm$ 0.005
<i>Foaming</i>	Heavy
<i>Flash Point</i>	None
<i>Solubility in Water</i>	Complete

**FOR INDUSTRIAL USE ONLY**

Visit us at [www.progressivesystemsinc.com](http://www.progressivesystemsinc.com)

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**MATERIAL SAFETY DATA SHEET**  
(Prepared According to 29 CFR 1910.1200)

**SECTION 1: PRODUCT IDENTIFICATION**

<b>Distributor:</b> Progressive Systems Inc.	<b>Emergency Phone Number:</b> (302) 732-3321
<b>Address:</b> P.O. Box 35 - 25 Hickory Street Frankford, Delaware 19945	
<b>Trade Name:</b> L-1331 Foaming Cleaner & Degreaser	<b>Product Type:</b> Heavy Duty Foaming Cleaner and Degreaser

**SECTION 2: HAZARDOUS INGREDIENTS**

CHEMICAL NAME / COMMON NAME	C.A.S. NUMBER	PERCENT (OPTIONAL)	TLV (SOURCE)
Water	7732-18-5	To qs.	Net Established
2-butoxy ethanol	111-76-2	1.0 - 5.0	50 ppm (240 mg/m <sup>3</sup> ) (skin) OSHA PEL
Potassium Hydroxide	1310-58-3		2 mg/m <sup>3</sup> (ACGIH)

SARA HAZARD TITLE III, SECTION 323: Contains the starred (\*) ingredients at the indicated percentages.  
Other ingredients in this product are:  Less than 1.0 % by weight or 0.1% for carcinogens  Not Hazardous  Declared to be Trade Secret

**SECTION 3: PHYSICAL DATA**

<b>Boiling Point (° F):</b> Near 212	<b>Specific Gravity (H<sub>2</sub>O = 1):</b> 1.090 ± 0.005	<b>pH:</b> 14.0 (± 0.5)
<b>Vapor Pressure (mm Hg):</b> Not determined	<b>Vapor Density (air = 1):</b> Not determined	
<b>Solubility in water:</b> <input checked="" type="checkbox"/> Complete <input type="checkbox"/> Insoluble <input type="checkbox"/> Emulsifiable (or Dispersible) <input type="checkbox"/> Slight (or Partial)		
<b>Evaporation Rate (vs. Water):</b> <input type="checkbox"/> Faster <input type="checkbox"/> Slower <input checked="" type="checkbox"/> About the same		
<b>Appearance and Odor:</b> Clear, Pale Liquid. "Butyl" odor.		

**SECTION 4: FIRE AND EXPLOSION HAZARD DATA**

<b>Flash Point (T.C.C.) ° F:</b> None to boiling	<b>Flammable Limits:</b> Upper - Not Established Lower - Not Established
<b>Extinguishing Media:</b> As appropriate for surrounding fire. CO <sup>2</sup> , Dry Chemical Foam, Water Spray. Water spray to cool drums and prevent rupture.	
<b>Special Firefighting Procedures:</b> Do not enter confined fire spaces without appropriate protective gear and self-contained air supply.	
<b>Unusual Fire or Explosion Hazards:</b> None known.	

**SECTION 5: STABILITY AND REACTIVITY DATA**

<b>Stability:</b> Product is stable.	<b>Polymerization:</b> Will not occur.	<b>Incompatibility:</b> Strong Acids, Strong oxidizers
<b>Hazardous Decomposition Products:</b> Carbon monoxide and other unidentified organic gases may occur during incomplete combustion.		

**SECTION 6: HEALTH HAZARDS**

<b>Primary Routes of Exposure:</b> <input checked="" type="checkbox"/> Eye <input checked="" type="checkbox"/> Skin <input checked="" type="checkbox"/> Oral <input checked="" type="checkbox"/> Inhalation <input type="checkbox"/> Other
<b>Signs and Symptoms of Over exposure (Acute):</b> <b>Eyes and skin:</b> Can cause severe irritation, even burns, depending on duration of exposure. <b>Ingestion:</b> Pain and inflammation of the mouth, pharynx, esophagus and stomach. Causes erosion of the mucous membranes, especially the stomach. Vomiting will usually occur. <b>Inhalation:</b> Do not concentrate and inhale vapors. None from vapors or mist with proper ventilation.
<b>Signs and symptoms of overexposure (Chronic):</b> None known <b>Medical Conditions Aggravated by Overexposure:</b> None known

**SECTION 7: EMERGENCY AND FIRST AID PROCEDURES**

<b>Eyes:</b> Flush immediately with water for at least 15 minutes. Call a physician.	<b>Skin:</b> Flush immediately with water for at least 15 minutes. Call a physician.
<b>Ingestion:</b> Immediately drink lots of water. Do not induce vomiting. If vomiting occurs, keep head below hips to avoid aspiration. Never give anything by mouth to an unconscious person. Seek immediate medical attention.	
<b>Inhalation:</b> Remove exposed person to fresh air. Treat symptomatically.	

**SECTION 8: SPECIAL PROTECTION INFORMATION**

<b>Respiratory Protection:</b> Not needed under normal conditions of use. <b>Eye Protection:</b> Safety Glasses/Goggles <b>Protective Gloves:</b> Rubber, Latex, Nitrile
<b>Ventilation Requirements:</b> <input checked="" type="checkbox"/> Local Exhaust <input checked="" type="checkbox"/> Mechanical <input type="checkbox"/> Room Ventilation is adequate.

**SECTION 9: SPILL OR LEAK PROCEDURES**

**Steps to be Taken if Released or Spilled:** Flush spill area with water. For large spills, contain spill, then pick up with mop, wet-vac, or absorbent. Wash residue to sewer. Non toxic and biodegradable. **Waste Disposal Method:** Dispose of in accordance with Federal, State and Local ordinances.

**SECTION 10: STORAGE AND HANDLING INFORMATION**

**Precautions to be Taken in Handling and Storage:** Do not get in eyes, on skin or clothing. Do not mix with other chemicals. Use with adequate ventilation. Wash thoroughly after handling. Avoid breathing mists or vapors. Keep container closed. Store in a cool, dry place away from strong acids.

The health hazards given on the Material Safety Data Sheet apply to this product in its concentrated form (as supplied) and may differ significantly at use dilution. The signs and symptoms of overexposure apply only to negligence in handling or misuse of the concentrated product and not to the routine exposure to the product under normal condition of use.