

627-2614

# Material Safety Data Sheet

MSDS No. 001

Revision: Original

**Leksol**

Date of Preparation: 10/15/97

## Section 1 - Chemical Product and Company Identification

**Product/Chemical Name:** Leksol  
**Chemical Formula:** Trade Secret  
**CAS Number:** Trade Secret  
**General Use:** Specialty Cleaning Solvent  
**Manufacturer:** Tomco-Harwel Industries Inc., 3102 A East Pine St., Tulsa, OK 74110 Phone: 918-834-2000 OR 1-888-834-2001 Fax: 918-836-9700 (8:00 AM to 5:00 PM Central Time)  
**INFOTRAC EMERGENCY RESPONSE NUMBER 1-800-535-5053**

HMIS	
H	2
F	0
R	0
PPE†	
†Sec. 8	

☆☆☆☆☆ Emergency Overview ☆☆☆☆☆

## Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	% wt or % vol
Halogenated Hydrocarbon mixture. Trade Secret pending.		100.00

Trace Impurities: Workplace Exposure Limit for 8 hour workday: 100 ppm

## Section 3 - Physical and Chemical Properties

<b>Physical State:</b> liquid	<b>Water Solubility:</b> Negligible
<b>Appearance and Odor:</b> sweet odor	<b>Other Solubilities:</b> N/A
<b>Odor Threshold:</b> N/A	<b>Boiling Point:</b> 156 deg F
<b>Vapor Pressure:</b> 143 mm Hg	<b>Freezing/Melting Point:</b> -166 deg F
<b>Vapor Density (Air=1):</b> 4.3	<b>Viscosity:</b> N/A
<b>Formula Weight:</b> N/A	<b>Refractive Index:</b> N/A
<b>Density:</b> N/A	<b>Surface Tension:</b> N/A
<b>Specific Gravity (H<sub>2</sub>O=1, at 4 °C):</b> 1.32	<b>% Volatile:</b> N/A
<b>pH:</b> N/A	<b>Evaporation Rate:</b> Not determined

## Section 4 - Fire-Fighting Measures

**Flash Point:** Not flammable  
**Flash Point Method:** Not flammable  
**Burning Rate:** N/A  
**Autoignition Temperature:** N/A  
**LEL:** 3-8% by volume in air  
**UEL:** 3-8% by volume in air  
**Flammability Classification:** Not flammable  
**Extinguishing Media:** As needed for surrounding fire.  
**Unusual Fire or Explosion Hazards:** Product will decompose at temperatures above 400 deg F releasing toxic fumes of CO, CO<sub>2</sub>, and hydrogen bromide.  
**Hazardous Combustion Products:** CO, CO<sub>2</sub>, and Hydrogen bromide.  
**Fire-Fighting Instructions:** Do not release runoff from fire control methods to sewers or waterways.  
**Fire-Fighting Equipment:** Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.



## Section 5 - Stability and Reactivity

**Stability:** Leksol is stable at room temperature in closed containers under normal storage and handling conditions.

MSDS No. 001

Leksol

Revision: Original

**Polymerization:** Hazardous polymerization cannot occur.

**Chemical Incompatibilities:** Avoid strong oxidizers and acids. May attack some plastics, rubbers, and coatings.

**Conditions to Avoid:** Avoid temperatures above 400 deg F.

**Hazardous Decomposition Products:** Thermal oxidative decomposition of Leksol can produce CO, CO<sub>2</sub>, and hydrogen sulfide.

## Section 6 - Health Hazard Information

### Potential Health Effects

#### Acute Effects

**Inhalation:** High concentrations are irritating to the respiratory tract. May cause headache, dizziness, nausea, vomiting or narcosis in confined or poorly ventilated areas.

**Eye:** Contact or high vapor concentrations may cause irritation or pain.

**Skin:** Brief contact may cause slight irritation, prolonged contact may cause moderate irritation and dermatitis. This problem may be accentuated by liquid becoming trapped against skin by contaminated clothing or shoes.

**Ingestion:** Swallowing of this material may result in irritation of the mouth and gastrointestinal tract, abdominal pain and vomiting in addition to effects similar to those caused by inhalation.

**Carcinogenicity:** IARC, NTP, and OSHA do not list Leksol as a carcinogen.

**Medical Conditions Aggravated by Long-Term Exposure:** No known

**Chronic Effects:** No known

### Emergency and First Aid Procedures

**Inhalation:** Remove victim to fresh air. Provide oxygen if breathing is difficult. Administer cardiac pulmonary resuscitation (CPR) if victim is not breathing. Seek medical attention.

**Eye Contact:** Flush eyes with plenty of water for 15 minutes while holding eyelids open. If irritation persists, seek medical attention.

**Skin Contact:** Remove contaminated clothing. Wash affected area with plenty of soap and water. Launder contaminated clothing before reuse. If irritation persists, seek medical attention.

**Ingestion:** If victim is conscious, have him drink large amounts of water. DO NOT induce vomiting. DO NOT give anything by mouth to an unconscious person. Seek medical attention immediately.

*For first aid, get appropriate in-plant, paramedic, or community medical support.*

**Consultation with Physicians:** N/A

**Special Precautions/Procedures:** N/A

## Section 7 - Spill, Leak, and Disposal Procedures

**Spill /Leak Procedures:** Evacuate area. Stop leak if this can be done without risk. Contain spills and cover with vermiculite or sand.

**Regulatory Requirements:** Follow applicable OSHA regulations (29 CFR 1910.120).

**Disposal:** Follow applicable Federal, state, and local regulations. Do not flush to sanitary sewer or waterway. Refer to RCRA regulations 40 CFR 260-281 for waste disposal instructions.

**Container Cleaning and Disposal:** Do not reuse containers. Follow all warnings even when drum is empty.

#### EPA Regulations:

RCRA Hazardous Waste Number: Not listed (40 CFR 261.33)

RCRA Hazardous Waste Classification: Not classified

CERCLA Hazardous Substance (40 CFR 302.4) unlisted specific per RCRA, Sec. 3001; CWA, Sec. 311 (b)(4); CWA, Sec. 307(a), CAA, Sec. 112

CERCLA Reportable Quantity (RQ), None

SARA 311/312 Codes: N/A

SARA Toxic Chemical (40 CFR 372.65): Not listed

SARA EHS (Extremely Hazardous Substance) (40 CFR 355): Not listed, Threshold Planning Quantity (TPQ)

#### OSHA Regulations:

Air Contaminant (29 CFR 1910.1000, Table Z-1, Z-1-A): Not listed

OSHA Specifically Regulated Substance: Not listed

**State Regulations:** No known

Revision: Original

Leksol

MSDS No. 001

### Section 8 - Exposure Controls / Personal Protection

**Engineering Controls:**

**Ventilation:** Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

**Administrative Controls:**

**Respiratory Protection:** Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or nonroutine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA.

*Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.* If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

**Protective Clothing/Equipment:** Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

**Safety Stations:** Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

**Contaminated Equipment:** Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

**Comments:** Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

### Section 9 - Special Precautions and Comments

**Handling Precautions:** Wear all necessary PPE. Handle this and any other chemical with extreme caution.

**Storage Requirements:** Store with like materials. Protect from extreme temperatures. Keep container tightly closed when not in use. Isolate incompatible materials. Do not store near food.

#### DOT Transportation Data (49 CFR 172.101):

**Shipping Name:** Not regulated for shipping (vapor degreasing solvent, halogenated mixture, n.o.s.)

**Packaging Authorizations:** Not regulated

**Quantity Limitations:** Not regulated

**Hazard Class:** Non flammable liquid

**ID No.:** UN 1993

**Packing Group:** III

**Label:** None

**Special Provisions (172.102):**

**Prepared By:** TLC

**Revision Notes:** Original

**Disclaimer:** This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Tomco Chemicals, Inc. The data on this sheet relates only to the specific material designated herein. Tomco Chemicals, Inc. assumes no legal responsibility for use or reliance upon these data.