

**MATERIAL SAFETY DATA SHEET (MSDS)  
WR-75 ECONOMICAL CLEANER**

**Section 1: Product and Company Identification**

**Product Name:** WR-75 Economical Cleaner

**Product Use:** Cleaner/Degreaser

**Manufacturer:** Technology Lubricants Corp.  
16215 Waverly Dr.  
Houston, TX 77032

**Telephone Numbers:** 24 Hr. Emergency Assistance: INFOTRAC 1.800.535.5053  
Product or Company Information: 281-821-0507 (Mon – Fri)

**Section 2: Composition/Information on Ingredients**

Hazardous Ingredient(s)	CAS Number	WEIGHT %
2-Butoxyethanol	111-76-2	2 – 5%
Sodium Hydroxide	1310-73-2	1 – 3%
Poly(oxy-1,2-ethanediyl), alpha-(4-Nonylphenyl)-omega-hydroxy-, branched	127087-87-0	1 – 3%

**Section 3: Hazards Identification**

**Emergency Overview: WARNING! Corrosive.** Blue liquid with a slight odor. Causes severe skin and eye burns. Harmful if swallowed. May be harmful if inhaled.

**Potential Health Effects:**

**Eyes:** May cause severe irritation, experienced as discomfort or pain, excess blinking and tear production, with marked excess redness and swelling of the conjunctiva.

**Skin:** Brief contact may cause slight irritation and local redness. Prolonged contact may cause more severe irritation, with discomfort or pain, local redness, swelling and possible tissue destruction.

**Inhalation:** Breathing this material may be harmful or fatal. Symptoms may include severe irritation and burns to the nose, throat, and respiratory tract.

**Ingestion:** Swallowing this material may be harmful or fatal. Symptoms may include severe stomach and intestinal irritation and abdominal pain. Can cause serious damage to the mouth, esophagus, stomach, and other tissues with which contact is made.

**Chronic:** Skin contact may aggravate an existing dermatitis.

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## Section 4: First Aid Measures

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**Eyes:** Immediately flush eyes with water and continue washing for at least 15 minutes. DO NOT remove contact lenses, if worn. Obtain medical attention without delay, preferably from an ophthalmologist.

**Skin or Clothing:** Remove contaminated clothing. Flush exposed area with large amounts of water. If skin is damaged, seek immediate medical attention. If skin is not damaged and symptoms persist, seek medical attention. Launder clothing before reuse.

**Inhalation:** If symptoms develop, immediately move individual away from exposure and into fresh air. Seek immediate medical attention.

**Ingestion:** Seek immediate medical attention. Do not induce vomiting. This may cause further damage to the mouth and throat.

**Note to Physician:** There is no specific antidote. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

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## Section 5: Fire Fighting Measures

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**Autoignition Temperature:** N/A

**Flash Point:** N/A

**Upper & Lower Flame Limits:** N/A

**Extinguishing Media:** Use water spray, carbon dioxide, dry chemical or foam.

**Fire fighting Equipment & Instructions:** Use self-contained breathing apparatus and protective clothing.

**Hazardous Combustion Products:** Burning can produce the following: Carbon monoxide and/or carbon dioxide. Carbon monoxide is highly toxic if inhaled. Carbon dioxide in sufficient concentrations can act as an asphyxiant.

**Unusual Fire and Explosion Hazards:** This material may produce a floating fire hazard in extreme fire conditions.

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## Section 6: Accidental Release Measures

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### Spill and Leak Procedures:

**Small Spill:** Add dry absorbent. Shovel or sweep up and place in an appropriate container for proper disposal.

**Large Spill:** Recover free product. Add sand, earth, or other suitable absorbent to spill area. Keep product out of sewers, watercourses and extensive land areas.

**Spills and releases may have to be reported to Federal and/or local authorities. See Section 15 regarding reporting requirements.**

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## Section 7. Handling and Storage

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**Handling Procedures:** For industrial use only. Do not get in eyes, on skin or clothing. Do not swallow. Use with adequate ventilation. See Section 8 for personal protective equipment.

**Storage Procedures:** Keep container closed and away from heat and flame.

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## Section 8. Exposure Controls/Personal Protection

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**Engineering Controls:** Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

**Personal Protective Equipment:**

**Eyes/Face:** Chemical splash goggles and face shield in compliance with OSHA regulations are advised.

**Skin:** Wear impervious gloves, clothing and boots to prevent skin contact.

**Respiratory:** If workplace exposure limit(s) of product or any component is exceeded, a NIOSH/MSHA approved air supplied respirator is advised in absence of proper environmental control.

The following ingredients have established exposure guidelines:

<u>Ingredient</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>Other Limit</u>
Sodium Hydroxide	2.000 mg/m <sup>3</sup> - Ceiling	2.000 mg/m <sup>3</sup> - TWA	2.000 mg/m <sup>3</sup> - Ceiling - OSHA VPEL
2-Butoxyethanol	20 ppm - TWA8	50 ppm - TWA8	240 mg/m <sup>3</sup> TWA8 OSHA

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## Section 9: Physical and Chemical Properties

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<b>Appearance:</b>	Blue liquid
<b>Odor:</b>	Slight odor
<b>Boiling Point (° C / ° F):</b>	100° C / 212° F
<b>Melting/Freezing Point (° C / ° F):</b>	-3.33° C / 26° F
<b>Specific Gravity (water = 1.0):</b>	1.03
<b>pH:</b>	12.5 – 13.5
<b>Vapor Pressure:</b>	17.5
<b>Viscosity:</b>	N/A
<b>Vapor Density (Air = 1.0):</b>	1.01
<b>Solubility in Water (%):</b>	100%
<b>% Volatile:</b>	88%

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## Section 10: Stability and Reactivity

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**Chemical Stability:** Product is stable.

**Conditions to Avoid:** Avoid excessive temperature.

**Incompatibilities:** Reactive metals, strong alkalis, strong bases, acids, strong oxidizing agents, acetaldehyde, acrolein, chlorinated hydrocarbons, chlorine chloroform, copper, difluoroethane, fluorinated hydrocarbons, halogenated hydrocarbons, or organic materials.

**Hazardous Decomposition:** N/A

**Hazardous Polymerization:** Will not occur.

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## Section 11: Toxicological Information

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**Carcinogenicity:** No carcinogenicity data available for this product.

**Chemical Ingredient(s) Listed as Potential or Known Carcinogens:**

<u>Chemical Ingredient</u>	<u>OSHA</u>	<u>NTP</u>	<u>IARC</u>
No ingredients listed in this section.			

**Immediate (Acute) Effects:**

**Ingredient:** Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched

**Test:** Irritation

**Skin:** Rabbit; 24h uncovered

**Results:** minimal capillary injection

**Eye:** Rabbit; 0.005 ml

**Results:** severe corneal injury

**Ingredient:** 2-Butoxyethanol

**Test:** Irritation

**Skin:** Rabbit; 24 h uncovered

**Results:** minimal erythema in 2/5; no irritation 3/5

**Eye:** Rabbit; 0.5 ml; 15% dilution in water

**Results:** moderate corneal injury

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## Section 12: Ecological Information

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**Ecotoxicity:** No data available for this product.

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## Section 13: Disposal Considerations

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**Waste Disposal Instructions:** Do not dump into sewers, on the ground, or into any body of water. All disposal practices must be in compliance with all Federal, State and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator. Empty containers should be recycled or disposed through an approved waste management facility.

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**Section 14: Transport Information**

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**DOT Shipping Description:** Sodium Hydroxide Solution, 8, UN 1824, III

**Reportable Quantity (RQ):** Sodium Hydroxide – 1,000 lbs. (453.6 kg)

**Labels Required:** Class 8, Corrosive

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**Section 15: Regulatory Information**

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**TSCA (Toxic Substances Control Act):** All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements.

**SARA Title III/CERCLA:**

**SARA Title III, Sections 311/312:**

**Hazard Classification of this product:** Immediate

**SARA Title III, Section 313** – The following chemical ingredients of this product are listed as toxic chemicals in 40 CFR 372.65 and are present at levels which could require reporting and customer notification under Section 313 and 40 CFR Part 372:

<u>Chemical Ingredient</u>	<u>CAS Number</u>	<u>Concentration</u>	<u>Comment</u>
Glycol Ethers	N/A	2 – 5%	

**Reportable Quantities (RQ) / Threshold Planning Quantities (TPQ):**

**CERCLA** – Requires notification of the National Response Center (1-800-424-8802) and your Local Emergency Planning Committee in the event of a release of quantities of the following hazardous materials contained in this product, if the release is equal to or greater than CERCLA RQ.

**SARA Title III, Sections 302/304** – The following chemical ingredients of this product are listed as Extremely Hazardous Substances (EHS) in 40 CFR Part 355 and require certain emergency planning activities when present in excess of EHS TPQ. Releases of EHS RQs are subject to state and local reporting.

<u>Chemical Ingredient</u>	<u>CAS #</u>	<u>Amount</u>	<u>Section 302 EHS TPQ</u>	<u>Section 304 EHS RQ</u>	<u>CERCLA RQ</u>
Sodium Hydroxide	1310-73-2	1 – 3%			1,000 lbs.
Glycol Ethers	N/A	2 – 5%			No RQ

**State Right-to-Know** – The following chemical ingredients appear on various state right-to-know lists and/or California's Proposition 65 List:

<u>Chemical Name</u>	<u>State List</u>
Sodium Hydroxide (1 – 3%)	New Jersey, Pennsylvania
Glycol Ethers (2 – 5%)	Pennsylvania
2-Butoxyethanol (2 – 5%)	Massachusetts, Pennsylvania

**This section provides selected regulatory information on this product including its ingredients. This is not intended to include all regulations. It is the responsibility of the user to know and comply with all applicable rules, regulations, and laws relating to the product being used.**

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**Section 16: Other Information**

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**Current Issue Date:** 07/11/03

**Previous Issue Date:** 11/30/00

**Changes from Previous Issue Date:** New format, revised language, all sections.

**HMIS ratings for this product are:**

<b>Health</b>	2
<b>Flammability</b>	0
<b>Reactivity</b>	1
<b>PPE</b>	D

**NFPA ratings for this product are:**

<b>Health</b>	2
<b>Flammability</b>	0
<b>Reactivity</b>	1
<b>Specific Danger</b>	

**Disclaimer:**

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