1. IDENTIFICATION

1.1. **PRODUCT IDENTIFIER USED ON LABEL:**

Finished Product Item Number	LABEL DESCRIPTION ACTUAL	BRAND
AT-205	ATP AT-205 RE-SEAL	ATP
AT-207 **(INACTIVE)**	ATP AT-207 RE-SEAL	ATP

1.2. **RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE;**

1.2.1. PETROLEUM LUBRICATING OIL

1.2.2. CONTINUOSLY VARIABLE TRANSMISSION FLUID

1.2.3. NO OTHER USES RECOMMENDED

1.3. **NAME, ADDRESS, AND TELEPHONE NUMBER OF THE CHEMICAL MANUFACTURER, IMPORTER, OR OTHER RESPONSIBLE PARTY:**

1.3.1.

Life Automotive Products, Inc.

500 Industrial Park Drive
Selmer, TN 38375-3276
United States of America

Product Information

MSDS Requests: (800) 264-6457 or +17316454972
Technical Information: (800) 264-6457 or +17316454972
General Information: vswedley@spectrumcorporation.com

1.4. **EMERGENCY PHONE NUMBER:**

1.4.1.

Emergency Response
North America: CHEMTREC (800) 424-9300 after 5:00pm CST Or +17035273887
Health Emergency
USA: (800) 264-6457 or +17316454972

2. HAZARD(S) IDENTIFICATION

2.1. **CLASSIFICATION OF THE CHEMICAL IN ACCORDANCE WITH PARAGRAPH (d) of §1910.1200:**
- 2.1.1. Flammable liquid Category 4
- 2.1.2. Eye Irritant Category 2B
- 2.1.3. Specific Target Organ Toxicity Category 2
- 2.1.4. Aspiration Hazard Category 1

2.2. **Signal Word:**
- 2.2.1. Danger

2.3. **Symbol:**

2.4. **Hazard Statements:**
- 2.4.1. Combustible Liquid
- 2.4.2. Causes Eye Irritation
- 2.4.3. May Cause damage to kidneys
- 2.4.4. May be fatal if swallowed and enters airways.

2.5. **Precautionary Statements:**
- 2.5.1. Prevention:
  - 2.5.1.1. Keep away from flames and hot surfaces. No smoking.
  - 2.5.1.2. Wear protective gloves, eye protection, and face protection.
  - 2.5.1.3. Wash thoroughly after handling.
  - 2.5.1.4. Do not breathe dust, fume, gas, mist, vapors, or spray.
  - 2.5.1.5. Do not eat, drink or smoke when using this product.
- 2.5.2. Response:
  - 2.5.2.1. In case of fire: use water, dry chemical, chemical foam, or alcohol-resistant foam to extinguish.
  - 2.5.2.2. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
  - 2.5.2.3. If eye irritation persists: Get medical advice/attention.
  - 2.5.2.4. If exposed or concerned: call a poison center or doctor.
  - 2.5.2.5. If swallowed: immediately call a poison center or doctor.
  - 2.5.2.6. Do NOT induce vomiting.
- 2.5.3. Storage:
  - 2.5.3.1. Store in a well-ventilated place. Keep cool.
  - 2.5.3.2. Store locked up.
- 2.5.4. Disposal:
  - 2.5.4.1. Dispose of contents and container in accordance with local, regional, national, international regulations.

3. Composition/ information on ingredients

3.1. **The chemical name and concentration (exact percentage) or concentration ranges of all ingredients which are classified as health hazards in accordance with paragraph (d) of §1910.1200**

3.1.1.

COMPONENTS	CAS Number	EU Number	Concentration (%)	Hazard Statements (see Section 16)
Glycol ethers	111-90-0	203-919-7	100	H226, H304, H320, H370

4. FIRST AID MEASURES

4.1.

Skin:	Wash skin with soap and warm water. Wash clothing before re-use. If skin irritation or rash occurs: Get medical advice/attention.
Eye:	If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.
Inhalation:	Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell
Ingestion:	If swallowed: immediately call a poison center or doctor. Do NOT induce vomiting.
Notes to physician:	Monitor kidney function closely.

5. FIRE FIGHTING MEASURES

5.1. **Flash Point:** 187°F (86.11°C)

5.2. **General Information:**

5.2.1. As in any fire, wear a self-contained breathing apparatus in pressure- demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Combustible liquid. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas. Containers may explode when heated.

5.3. **Extinguishing Media:**

5.3.1. In case of fire, use water, dry chemical, chemical foam, or alcohol-resistant foam. Use water spray to cool fire-exposed containers. Cool containers with flooding quantities of water until well after fire is out.

6. ACCIDENTAL RELEASE MEASURES

6.1. **General information:**

6.1.1. Use proper personal protective equipment as indicated in Section 8.

6.2. **Spills/leaks:**

6.2.1. Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container. Remove all sources of ignition. Provide ventilation.

7. HANDLING AND STORAGE

7.1. **Handling**

7.1.1. Use with adequate ventilation. Use spark-proof tools and explosion proof equipment. Avoid contact with eyes, skin, and clothing. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous. Keep away from heat, sparks and flame. Avoid ingestion and inhalation. Store protected from light. If peroxide formation is suspected, do not open or move container. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

7.2. **Storage**

7.2.1. Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

8.1. **Engineering Controls:**

8.1.1. Use adequate ventilation to keep airborne concentrations low.

8.2. **Component Exposure Limits:**

8.2.1.

COMPONENTS	ACGIH TLV	OSHA PEL
Glycol ethers	None listed	None listed

8.3. **OSHA Vacated PELs :**

8.3.1. Glycol ethers: No OSHA Vacated PELs are listed for this chemical.

8.4. **Eye Protection:**

8.4.1. Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166.

8.5. **Skin Protection:**

8.5.1. Wear appropriate protective gloves to prevent skin exposure.

8.6. **Clothing:**

8.6.1. Wear appropriate protective clothing to prevent skin exposure.

8.7. **Respirators:**

8.7.1. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. **Appearance/Odor:**	Colorless liquid with mild odor-fruity odor.	9.2. **Odor Threshold:**	No data available
9.3. **pH:**	No data available	9.4. **Boiling Point:**	396°F (202.22°)
9.5. **Melting Point:**	-134°F (-92.22)	9.6. **Solubility (H_20):**	Soluble in water
9.7. **Specific Gravity:**	0.9902 @ 15.6°C	9.8. **Density:**	8.252 lbs/gal
9.9. **Octanol/H_20 Coeff.:**	No data available	9.10. **Evaporation Rate (BUAC=1):**	<0.01 (butyl acetat=1)
9.11. **Molecular Weight:**	134.0962	9.12. **Decompostion Temp:**	No data available
9.13. **Auto Ignition:**	400°F (204.44°C)	9.14. **Lower Flammability Limit:**	1.2 @ 275°F (135°C)
9.15. **Flash Point:**	187°F (86.11°C)	9.16. **Upper Flammability Limit:**	23.5 @ 359.6°F (182°C)
9.17. **Vapor Density (Air=1):**	4.64	9.18. **Vapor Pressure:**	.14 mmHg @ 20°C
9.19. **VOC:**	Nill	9.20. **Flammability Class:**	Class IIIA combustile liquid
9.21. **Viscosity @ 40°C**	3cSt (3 mm^2/s)	9.22. **Viscosity @ 100°C**	1cSt (1 mm^2/s)

10.STABILITY AND REACTIVITY

10.1. **Chemical Stability:**
10.1.1. Stable under normal temperatures and pressures. Explosive peroxides may form on concentration. Peroxides can be detonated by friction, impact, or heating.
10.2. **Conditions to Avoid:**
10.2.1. Ignition sources, excess heat, strong oxidants.
10.3. **Incompatibilities with Other Materials:**
10.3.1. Strong oxidizing agents, strong acids, isocyanates.
10.4. **Hazardous Decomposition Products:**

10.4.1. Carbon monoxide, carbon dioxide.

10.5. **Hazardous Polymerization:**

10.5.1. Has not been reported.

11. TOXICOLOGY INFORMATION

11.1. **RTECS#:**

11.2. **CAS# 111-90-0: KK8750000**

11.3. **LD50/LC50:**

11.3.1. Dermal, guinea pig: LD50 = >32 gm/kg

11.3.2. Draize test, rabbit, eye: 500 mg Moderate

11.3.3. Draize test, rabbit, eye: 125 mg Mild

11.3.4. Draize test, rabbit, skin: 500 mg/24H Mild

11.3.5. Inhalation, rat: LC50 = >5240 mg/m3/4H

11.3.6. Oral, mouse: LD50 = 6600 uL/kg

11.3.7. Oral, mouse: LD50 = 7250 mg/kg

11.3.8. Oral, rabbit: LD50 = 3620 mg/kg

11.3.9. Oral, rat: LD50 = 5500 uL/kg

11.3.10. Oral, rat: LD50 = 7500 mg/kg

11.3.11. Skin, rabbit: LD50 = 4200 uL/kg

11.3.12. Skin, rabbit: LD50 = 8.5 ml/kg/2H

11.3.13. Skin, rat: LD50 = 6 mL/kg;

11.4. **Carcinogenicity:**

11.4.1. Not listed by ACGIH, IARC, NTP, or CA Prop 65.

11.5. **Epidemiology:** No information found.

11.6. **Teratogenicity:** No information found.

11.7. **Reproductive Effects:**

11.7.1. Feeding studies with rats have shown fetal effects in the urogenital system.

11.8. **Mutagenicity:** No information found.

11.9. **Neurotoxicity:** No information found.

11.10. **Other Studies:** No information found.

12.ECOLOGICAL INFORMATION

12.1. **Ecotoxicity:**

12.1.1. Fish: Fathead Minnow: 26.6g/L; 96H; Fish: Rainbow trout: LC50 = 13,420 mg/L; 96 Hr.; Unspecified conditionsFish: Bluegill/Sunfish: LC50 = 10,000 mg/L; 96 Hr.; Static conditions, 23 degrees CWater flea Daphnia: LC50 = 4026 mg/L; 48 Hr.; Unspecified No data available.

12.2. **Environmental:**

12.2.1. AQUATIC FATE: Glycol ether is not expected to volatilize from water surfaces. TERRESTRIAL FATE: Aerobic screening test data indicate that rapid aerobic biodegradation is likely to be the most important mechanism for the removal of glycol ether from soil. Biodegradation of 48% to 87% were reported in non-acclimated cultures incubated for 20 days. Alcohols and ethers are generally resistant to hydrolysis.

12.3. **Physical:** No information available.

12.4. **Other:** No information available.

13. DISPOSAL CONSIDERATIONS

13.1. **Waste Disposal**:
13.1.1. Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.
13.2. **RCRA P-Series:** None listed.
13.3. **RCRA U-Series:** None listed.

14.TRANSPORTATION INFORMATION

The shipping description below may not represent requirements for all modes of transportation, shipping methods or locations outside of the United States.

14.1. **ROAD AND RAIL**
14.1.1. DOT: NOT REGULATED
14.2. **VESSEL**
14.2.1. IMDG: NOT REGULATED
14.3. **AIR**
14.3.1. IATA: NOT REGULATED

15.REGULATORY INFORMATION

15.1. **TSCA Inventory**
15.1.1. This product and/or its components are listed on the Toxic Substances Control Act (TSCA) inventory.
15.2. **TSCA Section 12b**
15.2.1. None of the chemicals are listed under TSCA Section 12b.
15.3. **SARA 302/304 Emergency Planning and Notification**
15.3.1. No components were identified.
15.4. **SARA 311/312 Hazard Identification**
15.4.1. Acute (Immediate) Health Hazard
15.5. **SARA Codes:**
15.5.1. Fire, reacitve
15.6. **SARA 313 Toxic Chemical Notification and Release Reporting**
15.6.1. : This material contains Diethylene glycol monoethyl ether (listed as Glycol ethers), 100.0%, (CAS# 111-90-0) which is subject to the reporting requirements of Section 313 of SARA Title III and 40 CFR Part 373.
15.7. **CERCLA**
15.7.1. No components were identified.
15.8. **Clean Air Act:**
15.8.1. CAS# 111-90-0 (listed as Glycol ethers) is listed as a hazardous air pollutant (HAP).
15.8.2. This material does not contain any Class 1 Ozone depletors.
15.8.3. This material does not contain any Class 2 Ozone depletors.

15.9. **Clean Water Act (CWA)**
- 15.9.1. None of the chemicals in this product are listed as Hazardous Substances under the CWA.
- 15.9.2. None of the chemicals in this product are listed as Priority Pollutants under the CWA.
- 15.9.3. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

15.10. **California Proposition 65:**
- 15.10.1. The product does not contain chemicals known to the state of California to cause cancer, birth defects, or any other reproductive harm.

15.11. **State:**
- 15.11.1. CAS# 111-90-0 can be found on the following state right to know lists: Pennsylvania, (listed as Glycol ethers), Minnesota.

15.12. **New Jersey Right-to-Know Label**
- 15.12.1. Glycol ethers
- 15.12.2. Petroleum oils

15.13. **European/International Regulations**
- 15.13.1. **European Labeling in Accordance with EC Directives Hazard Symbols:** XI
- 15.13.2. **Risk Phrases**: R 36 Irritating to eyes.
- 15.13.3. **Safety Phrases:**
  - 15.13.3.1. S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- 15.13.4. **WGK (Water Danger/Protection):**
  - 15.13.4.1. CAS# 111-90-0: 1
- 15.13.5. **Canada - DSL/NDSL:**
  - 15.13.5.1. CAS# 111-90-0 is listed on Canada's DSL List.
- 15.13.6. **Canada - WHMIS**
  - 15.13.6.1. This product has a WHMIS classification of B3, D2B.
  - 15.13.6.2. This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations.
- 15.13.7. **Canadian Ingredient Disclosure List:**
  - 15.13.7.1. CAS# 111-90-0 is listed on the Canadian Ingredient Disclosure List.

16.OTHER INFORMATION

16.1.

HAZARD RANKINGS			
HMIS		NFPA	
HEALTH HAZARD	2	HEALTH HAZARD	2
FIRE HAZARD	2	FIRE HAZARD	2
PHYSICAL HAZARD	0	INSTABILITY/REACTIVITY	0
Personal Protection	B		

Components Hazard Statements	
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H320	Causes eye damage.
H370	Causes damage to organs.

16.2. **Date of preparation:** 5/7/2015

16.3. **MANUFACTURER DISCLAIMER:**

16.3.1. ***The data presented herein is based upon tests and information, which we believe to be reliable. However, users should make their own investigations to determine the suitability of the information for their particular purpose.***