

## MATERIAL SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

<b>PRODUCT NAME:</b>	Tire Life, Rim Life, Seal-Zit
<b>PRODUCT CODE:</b>	None established
<b>PRODUCT DESCRIPTION:</b>	Rust Inhibitor / Coolant / Sealer for OTR Tires
<b>FORMULA:</b>	n/a
<b>SYNONYMS:</b>	n/a
<b>MSDS DATE:</b>	August 2007

MANUFACTURER/SUPPLIER		
Fuller Brothers, Inc. 11507 SE Hwy 212 PO Box 280 Clackamas, OR 97015 Monday-Friday 8 am - 5 pm PST	Emergency Number:	503-546-1040
	Non-Emergency Numbers:	503-657-9366 800-547-7785
IMPORTER (EU):		
ENVIRON Sterling House The Bourse, Boar Lane Leeds LS1 5EQ United Kingdom	Non-Emergency Number:	+44 (0)113 245 7552

#### \*\*\*\*\* EMERGENCY OVERVIEW \*\*\*\*\*

**No unusual hazard in a fire situation. Non-toxic under expected conditions of use.**

### 2. HAZARDS IDENTIFICATION

<b>ROUTES OF ENTRY:</b>	Inhalation, eye contact, skin contact
<b>INHALATION:</b>	Not likely because of low vapor pressure. Unlikely to cause significant health effects as vapor or mist.
<b>SKIN CONTACT:</b>	Dermal contact is unlikely to cause significant health effects.
<b>EYE CONTACT:</b>	Eye contact is unlikely to cause significant health effects.
<b>INGESTION:</b>	Not a likely route of entry.
<b>CARCINOGENICITY:</b>	Not a carcinogen.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**No toxic or hazardous ingredients.**

According to criteria from OSHA Hazard Communication 29 CFR 1910.1200 and European Union REACH regulations.

### 4. FIRST AID MEASURES

**INHALATION:** Not necessary.

**SKIN:** As a general precaution: Remove contaminated clothing. Wash gently and thoroughly with water and non-abrasive soap for 5 minutes.

**EYE:** As a general precaution: Do not allow victim to rub eye(s). Flush with lukewarm, gently flowing water for 5 minutes while holding the eyelid(s) open. If irritation persists, obtain medical attention.

**INGESTION:** Not necessary.

### 5. FIRE FIGHTING MEASURES

**FLASH POINT:** >500 F (closed cup). During a custom flammability test under laboratory conditions, a pool of Tire Life exposed to a flame at 1500 °C (intended to simulate a fire around a heavy industrial truck) did not ignite.

<b>AUTO IGNITION TEMPERATURE:</b>	Varies based on product composition, dry product >450 F.
-----------------------------------	--

<b>FLAMMABLE LIMITS:</b>	Not available
--------------------------	---------------

<b>EXPLOSIVE LIMITS:</b>	Not available
--------------------------	---------------

**HAZARDOUS COMBUSTION PRODUCTS:** Smoke contains carbon dioxide and carbon monoxide.

**FIRE AND EXPLOSION HAZARD:** No special hazards

**EXTINGUISHING MEDIA:** Carbon dioxide, dry chemical powder, "alcohol" foam, water spray or fog.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear full fire-fighting turn-out gear (full Bunker gear. Use self-contained breathing apparatus to avoid exposure to the products of combustion. Closed containers may rupture violently when exposed to heat of fire.

### 6. ACCIDENTAL RELEASE MEASURES

**SPILL OR LEAK PROCEDURES:** Contain spill with earth, sand, or absorbent material. Put absorbent material in suitable, labeled, containers. Flush area with water.

## 7. HANDLING AND STORAGE

**HANDLING AND STORAGE PRECAUTIONS:** Rinse storage containers with generous quantity of water before re-using. Label containers. Store away from incompatible materials, extreme heat, and ignition sources. Avoid generating mist.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**EYE PROTECTION:** No special requirement, but use of chemical safety goggles is good practice.

**SKIN PROTECTION:** No special requirement, but prevention of skin contact is good practice.

**RESPIRATORY PROTECTION:** None required.

**ENGINEERING CONTROLS:** General ventilation is adequate. When product is heated or mist is generated, local exhaust ventilation may be used.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>PHYSICAL STATE:</b>	Liquid
<b>APPEARANCE:</b>	Light green
<b>ODOR:</b>	Slight citrus odor
<b>BOILING POINT:</b>	331 F@ 90 psi
<b>MELTING POINT:</b>	Not available
<b>pH:</b>	> 7
<b>SOLUBILITY IN WATER:</b>	Extremely soluble
<b>SPECIFIC GRAVITY:</b>	1.0003 (water=1)
<b>PARTITION COEFFICIENT:</b>	Not available
<b>VAPOR PRESSURE:</b>	Same as water
<b>VAPOR DENSITY:</b>	Same as water

## 10. REACTIVITY/STABILITY

**STABILITY:** Stable at normal temperatures and freeze/thaw stable

**CONDITIONS OF REACTIVITY:** n/a

**HAZARDOUS POLYMERIZATION:** Will not occur

**INCOMPATIBILITIES:** None known

**DECOMPOSITION PRODUCTS:** None reported

**11. TOXICOLOGICAL INFORMATION**

Non-toxic under expected conditions of use.

<b>LD<sub>50</sub>:</b>	None listed
<b>LC<sub>50</sub>:</b>	None listed
<b>REPRODUCTIVE TOXICITY:</b>	None listed
<b>TERATOGENICITY:</b>	None listed
<b>MUTAGENICITY:</b>	None listed
<b>CARCINOGENICITY:</b>	Ingredients not carcinogenic according to IARC, ACGIH, and NTP.
<b>SENSITIZATION TO PRODUCT:</b> None listed	

**12. ECOLOGICAL INFORMATION**

Definitive toxicity testing indicates that Tire Life is not hazardous to the aquatic environment, based on EPA criteria. (*Pimephales promelas* LC50 - 7000 mg/L, *Ceriodaphllia dubia* LC50 - 3667 mg/L)

**13. DISPOSAL CONSIDERATIONS**

This product as supplied is not a hazardous waste. Product should be disposed of in accordance to all local, state/provincial, and federal regulations.

**EPA Waste Codes:** N/A for product

**14. TRANSPORT INFORMATION**

<b>D.O.T. SHIPPING NAME:</b>	Not listed
<b>TECHNICAL SHIPPING NAME:</b>	N/A
<b>D.O.T. HAZARD CLASS:</b>	N/A
<b>U.N./N.A. NUMBER:</b>	None listed
<b>SPECIAL SHIPPING INFO:</b> Product is listed on the U.S. Department of Commerce, Bureau of Industry and Security Commerce Control List (CCL), but is exempt under Export Administration Regulation 99 and does not require a license in many situations. A license may be required if proposed export is to an embargoed country, to an end-user of concern or in support of a prohibited end-use.	

**15. REGULATORY INFORMATION**

Users in the United States should comply with applicable OSHA and other state and federal regulations, including (but not limited to) 29 CFR 1910.1000 (air contaminants), 29 CFR 1910.1200 (hazard communication), and 40 CFR 262 (hazardous waste).

**OSHA Hazard Communication Rule, 29 CFR 1910.1200:** Does not meet criteria for hazardous material. Ingredients are non-hazardous as defined by 29 CFR 1200.

**TSCA Inventory Status:** Product excluded from the U.S. Environmental Protection Agency Toxic Substances Control Act Chemical substance Inventory.

**SARA Title III Sect. 302 (EHS) / CERCLA Hazardous Substances -** This material contains no Reportable Quantity (RQ) Substances.

**SARA Title III Sect. 311/312 Hazard Classes:** Excluded from SARA regulations.

**SARA Title III Sect. 313 Toxic Chemicals:** Not Applicable

**CA Prop 65:** None listed

**NJ Right to Know Law:** None listed

**MA Right to Know Law:** None listed

**MN Hazardous Substances:** Listed ingredient not required on MSDS

**PA Right to Know Law:** None listed

**European Union:** Product is not classified as a "dangerous" preparation. A Chemical Safety Assessment has not been carried out for the substance or preparation.

**Canada Ingredient Disclosure List:** None listed

**16. OTHER INFORMATION**

<b>MSDS STATUS:</b>	<b>FINAL REVISION 3.0</b>
<b>PREPARED BY:</b>	Paul Carlson Associates, Inc. Milwaukie, Oregon (503) 652-6040 info@pcapca.com
<b>RELEVANT EU RISK PHRASES:</b>	None listed
<b>KEY SOURCES:</b>	Manufacturer, CCOHS CHEMINFO, ASTDR Toxicological Profile, ICPS INCHEM, 2000 IUCLID Dataset
<i>The information and data herein are believed to be accurate and have been compiled from sources believed to be reliable. A certificate of insurance is available upon request.</i>	