

**MATERIAL SAFETY DATA SHEET**

**4001**

MANUFACTURER'S NAME: Life Automotive Products, Inc. PRODUCT NAME: Smart Blend Protectant  
ADDRESS: 1210 Midas Cove, Ste 101, Cordova, TN 38018 HAZARD MATERIAL ID SYSTEM: H-1 F-1 R-0 PP-B  
EMERGENCY NUMBER: 800 424 9300

**SECTION 1 - DESCRIPTION**

PRODUCT NAME: Smart Blend  
DOT SHIPPING NAME: N/A  
DOT HAZARD CLASS: Non Hazardous  
CAS REGISTRY NUMBER: 68610-60-6  
CHEMICAL NAME: Synthetic/Hydrocarbon Blend  
PREPARER: Mike Armstrong, April 2006

**SECTION 2 - HAZARDOUS INGREDIENTS**

COMPONENTS: Polyalphaolefins/Hydrocarbon Blend  
& other proprietary ingredients

**SECTION 3 - PHYSICAL DATA**

BOILING POINT, DEG F: above 500	VAPOR PRESSURE: negligible
MELTING POINT, DEG F: N/A	VAPOR DENSITY: above 5
SPECIFIC GRAVITY: 0.88	SOLUBILITY IN WATER: not soluble
APPEARANCE: Red liquid	ODOR: slight

**SECTION 4 - FIRE AND EXPLOSION DATA**

FLASH POINT, DEG F: above 260°F  
EXTINGUISHING MEDIUM: water fog, foam, dry chemical, carbon dioxide  
SPECIAL FIRE FIGHTING PROCEDURES: Use water spray to cool exposed containers  
Fire fighting personnel should use respiratory protection.  
UNUSUAL FIRE EXPLOSION HAZARDS: product of combustion includes fumes & CO2

**SECTION 5 - REACTIVITY HAZARDS**

STABILITY: stable	MATERIAL TO AVOID: strong oxidizers, strong acids & bases
HAZARDOUS POLYMERIZATION: will not	CONDITION TO AVOID: open flame & extreme heat
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of Carbon, Nitrogen & Zinc,	

Sulfur & Phosphorus, Methacrylate Monomers. Under certain conditions, Ammonia & Hydrogen Sulfide.

### SECTION 6 - HEALTH HAZARD INFORMATION

ROUTE OF ENTRY: X INHALATION X SKIN X INGESTION

#### Acute/Chronic Overexposure:

Eyes: Components of this product have been determined to be irritating and corrosive to eyes.

Skin: Components of this product have been determined to be irritating and corrosive to skin.

Inhalation: Breathing mists and vapors may cause slight respiratory tract irritation. Breathing vapors from product when heated to temperatures above 150°F which then may contain Hydrogen Sulfide, can also cause headaches, dizziness, nausea, coughing, bronchial irritation and dryness, and in sufficient quantities, unconsciousness.

Ingestion: Minor components (<5%) of this product have been determined to be mildly to moderately toxic (LD50: <1/5g/kg).

#### Signs and Symptoms of Overexposure:

Eyes: May cause irritation and damage if not treated immediately.

Skin: Prolonged or repeated contact may cause irritation as indicated by redness, swelling, blistering and dermatitis.

Inhalation: Breathing mists and vapors may cause slight respiratory tract irritation. Breathing vapors when heated to temperatures above 150°F which may then contain Hydrogen Sulfide, can also cause headaches, dizziness, nausea, coughing, bronchial irritation and dryness, and in sufficient quantities, unconsciousness.

Ingestion: Oral exposure may result in nausea, vomiting and diarrhea along with irritation of the mouth and throat.

None of the ingredients are listed as carcinogens.

Threshold Limit Value (TLV): This product does not contain any components which have recognized exposure limits. However a TLV of 5.0 mg/cubic meter for oil mist.

#### Emergency and First Aid Procedures:

Eyes: DO NOT RUB EYES. Immediately wash eyes with large amounts of water for at least 15 minutes. Remove contact lenses before washing. Seek medical attention immediately.

Skin: Remove material from skin by patting or blotting with a clean cloth. Wash exposed areas with soap and water for at least 15 minutes. Seek medical attention immediately. Do not reuse contaminated clothing until

laundered. Discard all contaminated leather goods.

Inhalation: If symptoms of Hydrogen Sulfide exposure are indicated, remove individual(s) to fresh air and administer oxygen. Seek medical attention immediately.

Ingestion: DO NOT INDUCE VOMITING. If vomiting occurs spontaneously, watch for signs of aspiration. Seek medical attention immediately.

#### **SECTION 7 - SPECIAL PROTECTION INFORMATION**

RESPIRATORY PROTECTION: normally not required with adequate ventilation; if exposure exceeds limits, use NIOSH/MSHA approved air respirator

VENTILATION: if mists are present, provide adequate ventilation to control level below the Permissible Exposure Limit

PROTECTIVE GLOVES: impermeable gloves                      EYE PROTECTION: goggles

OTHER: none usually required

#### **SECTION 8 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES**

HANDLING & STORAGE PRECAUTIONS: Keep away from fire, flame & sparks

OTHER PRECAUTIONS: never wear oil soaked clothing; discard oil soaked shoes; affix proper warning labels on containers according to 29 CFR 1010.1200

IN CASE OF SPILLS: no unusual hazard; use pump and/or oil absorbent; keep from entering waterways and sewers

WASTE DISPOSAL METHODS: dispose according to current local, state and federal regulations; consider recycling; NOTE: material may become a hazardous waste through use

NOTE: The above information is based on data of which we are aware and is believed to be correct. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. Life Automotive Products, Inc. assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, we assume no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.