### SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** CAMI A1800 DRY LUBRICANT RLS  
**PRODUCT USE/CLASS:**  
**SUPPLIER:** Cami-Campbell  
9225 Watson Industrial Park  
St. Louis, MO 63126  
**MANUFACTURER:** Cami-Campbell  
9225 Watson Industrial Park  
St. Louis, MO 63126  
**EMERGENCY TELEPHONE:** 800-424-9300  
24 HOUR EMERGENCY PHONE  
**PREPARER:** JLM, Phone: 314/968-3222, Prepare Date: 08/13/97  
Replaces Date: 07/11/99

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### SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>ITEM</th>
<th>CHEMICAL NAME</th>
<th>CAS NUMBER</th>
<th>WT/WT %</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>ISOBUTANE</td>
<td>75-28-5</td>
<td>45.0 %</td>
</tr>
<tr>
<td>02</td>
<td>METHANE, DIMETHOXY</td>
<td>169-67-5</td>
<td>40.0 %</td>
</tr>
<tr>
<td>03</td>
<td>PROPANE</td>
<td>74-98-6</td>
<td>10.0 %</td>
</tr>
<tr>
<td>04</td>
<td>ISOPROPYL ALCOHOL</td>
<td>67-63-0</td>
<td>5.0 %</td>
</tr>
<tr>
<td>05</td>
<td>CARBON DIOXIDE</td>
<td>124-38-9</td>
<td>5.0 %</td>
</tr>
<tr>
<td>06</td>
<td>TELOMER OF TETRAFLUOROETHYLENE</td>
<td>66530-85-8</td>
<td>5.0 %</td>
</tr>
</tbody>
</table>

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### SECTION 3 - HAZARDS IDENTIFICATION

**GIVEN MUST BE OBSERVED. DO NOT FLAME CUT, BRAZE, OR USE WELDING TORCH. INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THIS PRODUCT MAY BE HARMFUL OR FATAL.**

**EFFECTS OF OVEREXPOSURE - EYE CONTACT:** CAN CAUSE SEVERE IRRITATION, REDNESS, Tearing, Blurred Vision.

**EFFECTS OF OVEREXPOSURE - SKIN CONTACT:** PROLONGED OR REPEATED CONTACT CAN CAUSE MODERATE IRRITATION DEFATTING, DERMATITIS.

**EFFECTS OF OVEREXPOSURE - INHALATION:** INHALATION OF FLUORINE COMPOUNDS RELEASED AS THERMAL DECOMPOSITION PRODUCTS MAY CAUSE LUNG IRRITATION AND PULMONARY EDEMA WHICH REQUIRE MEDICAL TREATMENT. INHALATION OF FUMES OR SMOKE FROM BURNING THE PRODUCT MAY CAUSE POLYMER FUME FEVER, A TEMPORARY FLU-LIKE ILLNESS WITH FEVER, CHILLS, AND SOMETIMES COUGH, OF APPROXIMATELY 24 HOURS DURATION. REPEATED EPISODES OF POLYMER FUME FEVER MAY CAUSE LUNG DAMAGE. EXCESSIVE INHALATION OF VAPORS CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, POSSIBLE UNCONSCIOUSNESS, AND EVEN ASPHYXIA. METHANE, DIMETHOXY CONTAINS LESS THAN 5PPM OF FORMALDEHYDE, BUT IS CAPABLE OF EMITTING FREE FORMALDEHYDE AND IS COVERED BY THE OSHA FORMALDEHYDE STANDARD.

**EFFECTS OF OVEREXPOSURE - INGESTION:** INGESTION OF ISOPROPYL ALCOHOL MAY CAUSE NAUSEA, VOMITING, ABDOMINAL PAIN, FLUSHING OF THE FACE, HYPTENSION, WEAKNESS AND LOSS OF CONSCIOUSNESS; OR ABDOMINAL LIVER AND KIDNEY FUNCTIONS.

**EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS:** No Information.

**PRIMARY ROUTE(S) OF ENTRY:** SKIN CONTACT INHALATION EYE CONTACT

### SECTION 4 - FIRST AID MEASURES

**FIRST AID - EYE CONTACT:** FLUSH WITH LARGE AMOUNTS OF WATER. LIFTING UPPER AND LOWER LIDS OCCASIONALY, GET MEDICAL ATTENTION.

**FIRST AID - SKIN CONTACT:** THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. LAUNDER CONTAMINATED CLOTHING BEFORE RE-USE. GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

**FIRST AID - INHALATION:** REMOVE INDIVIDUAL TO FRESH AIR. IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. GIVE ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. KEEP PERSON WARM AND QUIET. GET MEDICAL ATTENTION.

**FIRST AID - INGESTION:** DO NOT INDUCE VOMITING. GIVE TWO GLASSES OF WATER IF CONSCIOUS. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. GET IMMEDIATE MEDICAL ATTENTION.

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(Continued on Page 2)
SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT: -156°F
(PENSKY-MARTENS C.C.)
LOWER EXPLOSIVE LIMIT: 1.6%
UPPER EXPLOSIVE LIMIT: 17.6%
AUTOIGNITION TEMPERATURE: N.O.
EXTINGUISHING MEDIA: CO2, DRY CHEMICAL FOAM, WATER, FOG

UNUSUAL FIRE AND EXPLOSION HAZARDS: VAPORS ARE HEAVIER THAN AIR AND TRAVEL ALONG THE GROUND OR MAY BE MOVED BY VENTILATION AND IGNITED BY IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT. FOR AEROSOL PRODUCTS - EXPOSURE TO TEMPERATURES OVER 130°F MAY CAUSE CONTAINERS TO BURST, RELEASING HIGHLY FLAMMABLE GAS.

SPECIAL FIREFIGHTING PROCEDURES: WEAR SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN PRESSURE-DEMAND OR OTHER POSITIVE PRESSURE MODE WHEN FIGHTING FIRES. KEEP FIRE EXPOSED CONTAINERS COOL WITH WATER FOG.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: ELIMINATE SOURCES OF IGNITION; VENTILATE AREA. PERSONS NOT PROPERLY EQUIPPED SHOULD BE EXCLUDED FROM AREA. STOP SPILL AT SOURCE - PREVENT SPREADING. AVOID INHALATION OF VAPORS. AVOID SKIN CONTACT WITH LIQUID. SOAK UP SPILLS ON ABSORBENT MATERIAL AND PLACE INTO PROPER CONTAINER FOR DISPOSAL. USE NON-Sparking SCOPS FOR FLAMMABLE MATERIALS. CLEAN WALKING SURFACES THOROUGHLY TO REDUCE SLIPPING HAZARD.

SECTION 7 - HANDLING AND STORAGE

HANDLING: No Information.

STORAGE: DO NOT STORE ABOVE 120°F. DO NOT STORE IN DIRECT SUNLIGHT. KEEP AWAY FROM HEAT SOURCES, OPEN FLAMES, SPARKS. DO NOT STORE ABOVE 120°F. DO NOT STORE IN DIRECT SUNLIGHT.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: PROVIDE SUFFICIENT MECHANICAL VENTILATION (GENERAL AND/OR LOCAL EXHAUST) VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S).

RESPIRATORY PROTECTION: IF WORK PLACE EXPOSURE LIMITS OF PRODUCT OR ANY COMPONENT IS EXCEEDED, USE A NIOSH/MSHA APPROVED RESPIRATOR. CONSULT YOUR SAFETY EQUIPMENT SUPPLIER FOR RECOMMENDATIONS.

SKIN PROTECTION: WEAR IMPERVIOUS GLOVES IF METHOD OF USE INVOLVES SKIN CONTACT WITH PRODUCT. CONSULT YOUR SAFETY SUPPLY VENDOR FOR GLOVE RECOMMENDATIONS.

(Continued on Page 4)

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

BOILING RANGE: 189 - 212°F
VAPOR DENSITY: In heavier than air
ODOR: SLIGHT ALCOHOL
ODOR THRESHOLD: N.O.
APPEARANCE: OPAQUE LIQUID
EVAPORATION RATE: Very fast
SOLUBILITY IN H2O: N.E.
ACETONE
FREEZE POINT: N.O.
SPECIFIC GRAVITY: 0.6786
VAPOR PRESSURE: N.O.
PH: 8.5
VISCOITY: N.O.
COEFFICIENT OF WATER/OIL DISTRIBUTION: N.O.

(See Section 16 for abbreviation legend)

SECTION 10 - STABILITY AND REACTIVITY

CONDITIONS TO AVOID: REACTS WITH ALUMINUM ABOVE 49 DEG C. HEAT, SPARKS, WELDING ARCS, OPEN FLAME, STATIC ELECTRICITY, OR OTHER SOURCE OF IGNITION.

INCOMPATIBILITY: ALUMINUM, ACIDS, STRONG INORGANIC ACIDS, NITRIC ACID, CAUSTICS, AMINES, ALKALOIDS, ALDEHYDES, AMMONIA, CHLORINATED COMPOUNDS, SULFURIC ACID, HALOGENS, STRONG OXIDIZERS, HALOGEN COMPOUNDS.

HAZARDOUS DECOMPOSITION PRODUCTS: TETRAMER OF TETRAFLUOROETHYLENE DECOMPOSES BY REACTION WITH HEAT AND OPEN FLAMES. DECOMPOSITION TEMPERATURE IS 617-752 DEGREES F. HAZARDOUS GASES/VAPORS CAN BE RELEASED, INCLUDING CARBON DIOXIDE, AND CARBON MONOXIDE. METHANOL CARBON MONOXIDE AND CARBON DIOXIDE. FORMALDEHYDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR UNDER NORMAL CONDITIONS.

STABILITY: THIS PRODUCT IS STABLE UNDER NORMAL STORAGE CONDITIONS.

SECTION 11 - TOXICOLOGICAL PROPERTIES

No product or component toxicological information is available.

(Continued on Page 5)
SECTION 12 - ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: No Information.

SECTION 13 - DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION 14 - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: Aerosol

DOT TECHNICAL NAME:

DOT HAZARD CLS: 2.1 HAZARD SUBCLASS: NONE

DOT UN/NA NUMBER: UN1954 PACKING GROUP: NONE RESP. GUIDE PAGE: 126

ADDITIONAL INFORMATION: FOR DOMESTIC GROUND AND AIR SHIPMENT THIS PRODUCT MAY BE SHIPPED AS A CONSUMER COMMODITY ORM-D. OUTER CARTONS MUST HAVE THE ORM-D OR ORM-D AIR DESIGNATION. (OUR ORIGINAL CARTONS ARE PREPRINTED WITH THE ORM-D DESIGNATION FOR GROUND SHIPMENT)

SECTION 15 - REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: AS FOLLOWS -


CERCLA - SARA HAZARD CATEGORY:
This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

IMMEDIATE HEALTH HAZARD
FIRE HAZARD
PRESSURIZED GAS HAZARD

SARA SECTION 313:
This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372:

__________ CHEMICAL NAME __________ CAS NUMBER WT/WT % IS LESS THAN ISOPROPYL ALCOHOL 67-63-0 10.0 %

TOXIC SUBSTANCES CONTROL ACT:

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