

8050261

OL015-1



Material Safety Data Sheet
ANGLAMOL (R) 6055, CODE 805-0261

(PROP 65)

FITZ -19580-B.

1 Chemical Product and Company Identification

*The Lubrizol Corporation
29400 Lakeland Boulevard
Wickliffe, Ohio 44092
440/943-4200*

Product Trade Name ANGLAMOL (R) 6055, CODE 805-0261
CAS Number Not applicable for mixtures.
Synonyms None.
Generic Chemical Name Mixture.
Product Type Automotive gear oil additive.
Preparation/Revision Date 21 February 2000
Transportation Emergency (CHEMTREC) 1-800-424-9300.
Phone No.
MSDS No. 5361037-6953766-3325045

2 Composition/Information on Ingredients

Hazardous Ingredients This material has no known hazards under applicable laws.

3 Hazards Identification

Principal Hazards

- This material has no known hazards.

See Section 11 for complete health hazard information.

4 First Aid Measures

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| Oral | DO NOT INDUCE VOMITING. If conscious, give 2 glasses of water. Get immediate medical attention. |
| Eyes | Flush with water at least 15 minutes. Get medical attention if eye irritation develops or persists. |
| Skin | Wash with soap and water. Get medical attention if irritation develops. Launder contaminated clothing before reuse. |
| Inhalation | Remove exposed person to fresh air if adverse effects are observed. |
| Additional Information | Note to physician: Treat symptomatically. |

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| 5 | Fire Fighting Measures |
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| Flash Point | > 150 Deg C, 302 Deg F COC (Minimum) |
| Upper Flammable Limit | Not determined. |
| Lower Flammable Limit | Not determined. |
| Extinguishing Media | CO2, dry chemical, or foam. Water can be used to cool and protect exposed material. |
| Firefighting Procedures | Recommend wearing self-contained breathing apparatus. Treat as an oil fire. Water may cause splattering. Material will float on water. |
| Unusual Fire & Explosion Hazards | Toxic fumes, gases or vapors may evolve on burning. |
| Autoignition Point | 354 Deg C, 669.2 Deg F |
| Explosion Data | Material does not have explosive properties. |

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| 6 | Accidental Release Measures |
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| Spill Procedures | Personal Protective Equipment must be worn, see Personal Protection Section for PPE recommendations. Ventilate area if spilled in confined space or other poorly ventilated areas. Prevent entry into sewers and waterways. Pick up free liquid for recycle and/or disposal. Residual liquid can be absorbed on inert material. Check under Transportation and Labeling (DOT/CERCLA) and Other Regulatory Information Section (SARA) for hazardous substances to determine regulatory reporting requirements for spills. |
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| 7 | Handling and Storage |
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| Maximum Handling Temperature | Not determined. |
| Handling Procedures | Keep containers closed when not in use. Handling temperatures should not exceed 176 deg F (80 deg C). Wash thoroughly after handling. Empty container contains product residue which may exhibit hazards of product. |
| Maximum Storage Temperature | Not determined. |
| Storage Procedures | Odorous and toxic fumes may form from the decomposition of this product if stored at temperatures in excess of 113 deg F (45 deg C) for extended periods of time or if heat sources in excess of 250 deg F (121 deg C) are used. |

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| 8 | Exposure Controls/Personal Protection |
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| Ventilation Procedures | Use with adequate ventilation. |
| Gloves Procedures | Nitrile. |
| Eye Protection | Safety Glasses. |
| Respiratory Protection | Under normal use conditions, respirator is not usually required. Use NIOSH/MSHA approved disposable dust/mist mask if the recommended exposure limit is exceeded. |
| Clothing Recommendation | Long sleeve shirt is recommended. |

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| 9 | Physical and Chemical Properties |
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| Vapour Pressure (mm Hg) | Not determined. |
| pH | Not determined. |
| Specific Gravity | 0.87 (15.6 Deg C) |
| Water Solubility | Insoluble. |
| Percent Volatile | Unknown. |
| Vapour Density | Not determined. |
| Evaporation Rate | Not determined. |
| Odor | Mild |
| Appearance | Light colored liquid. |
| Viscosity | 185 Centistokes (40 Deg C) 25.6 Centistokes (100 Deg C) |
| Odor Threshold | Unknown. |
| Boiling Point | Not determined. |
| Freezing Point | Not determined. |
| Molecular Weight | Not determined. |
| Loading Temperature | 70 Deg C, 158 Deg F |

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| 10 | Stability and Reactivity |
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| Stability | Material is normally stable at room temperature and pressure. See the Handling and Storage Section for further details. |
| Decomposition Temperature | Not determined. |
| Incompatibility | None known, avoid contact with reactive chemicals. |
| Polymerization | Will not occur. |
| Thermal Decomposition | Smoke, carbon monoxide, aldehydes and other products of incomplete combustion. Hydrogen sulfide and alkyl mercaptans and sulfides may also be released. Under combustion conditions, oxides of the following elements will be formed: sulfur. |

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| 11 | Toxicological Information |
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-- ACUTE EXPOSURE--

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| Oral Toxicity | Insufficient data on components and similar materials to estimate acute oral LD50 value. |
| Eye Irritation | Not expected to cause eye irritation. Based on data from components or similar materials. |
| Skin Irritation | Not expected to be a primary skin irritant. Based on data from components or similar materials. Prolonged or repeated skin contact as from clothing wet with material may cause dermatitis. Symptoms may include redness, edema, drying, defatting and cracking of the skin. |
| Dermal Toxicity | Insufficient data on components and similar materials to estimate acute dermal LD50 value. |
| Inhalation Toxicity | No data available to indicate product or components may be a toxic inhalation hazard. |
| Respiratory Irritation | If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract. Based on data from components and similar materials. |
| Dermal Sensitization | No data available to indicate product or components may be a skin sensitizer. |
| Inhalation Sensitization | No data available to indicate product or components may be respiratory sensitizers. |

-- CHRONIC EXPOSURE--

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| Chronic Toxicity | No data available to indicate product or components present at greater than 1% are chronic health hazards. |
| Carcinogenicity | This product is formulated with mineral oils which are considered to be severely refined and not considered to be carcinogenic under IARC. All of the oils in this product have been demonstrated to contain less than 3% extractables by the IP 346 test. |

Mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Reproductive Toxicity No data available to indicate either product or components present at greater than 0.1% that may cause reproductive toxicity.

Teratogenicity No data available to indicate product or any components contained at greater than 0.1% may cause birth defects.

-- ADDITIONAL INFORMATION--

Other No other health hazards known.

Exposure Limits Contains mineral oil. Under conditions which may generate mists, observe the OSHA PEL of 5 mg per cubic meter, ACGIH STEL of 10 mg per cubic meter.

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| 12 | Ecological Information |
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-- ENVIRONMENTAL TOXICITY--

Freshwater Fish Toxicity The acute LC50 for freshwater fish is > 100 ppm, based on component data.

Freshwater Invertebrates Toxicity Not determined.

Algal Inhibition The acute EC50 for algae is 10 - 100 ppm, based on component data.

Saltwater Fish Toxicity Not determined.

Saltwater Invertebrates Toxicity Not determined.

Bacteria Toxicity The acute EC50 for bacteria is > 1000 ppm, based on component data.

Miscellaneous Toxicity Not determined.

-- ENVIRONMENTAL FATE--

Biodegradation Laboratory studies indicate limited biodegradation with non-acclimated sludge, based on component data.

Bioaccumulation 25% or greater of the components potentially bioconcentrate, based on octanol/water coefficients. 1 - 10% of the components display no potential to bioconcentrate.

Soil Mobility Not determined.

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| 13 | Disposal Consideration |
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Waste Disposal This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261.

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| 14 | Transport Information |
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| ICAO/IATA | Not regulated. |
| IMDG (Ambient) | Not regulated. |
| IMDG (Elevated) | Not regulated. |
| IMDG EMS | Not applicable. |
| IMDG MFAG | Not applicable. |
| IMO Marine Bulk | Not determined. |
| USCG Compatibility | Not determined. |
| U.S. DOT Bulk (Ambient) | Not regulated. |
| U.S. DOT Bulk (Elevated) | Not regulated. |
| U.S. DOT Non-Bulk | Not regulated. |
| TDG Bulk (Ambient) | Not regulated. |
| TDG Bulk (Elevated) | Not regulated. |
| TDG Non-Bulk | Not regulated. |
| Mexico | Not regulated. |
| ADR/RID (Ambient) | Not regulated. |
| ADR/RID (Elevated) | Not regulated. |
| ADG (Ambient) | Not regulated. |
| ADG (Elevated) | Not regulated. |

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| 15 | Regulatory Information |
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| U.S. TSCA Inventory | All components of this material are on the US TSCA Inventory. |
| Other TSCA Reg. | Section 8d (Dimethyl silicones and siloxanes). |
| SARA Ext. Haz. Subst. | This product does not contain greater than 1.0% of any chemical substance on the SARA Extremely Hazardous Substances list. |
| SARA Section 313 | This product does not contain greater than 1.0% (greater than 0.1% for carcinogenic substance) of any chemical substances listed under SARA Section 313. |
| TDG Regulated Limits | None known. |
| CERLA Hazardous Substances | None known. |
| Cal. Prop. 65 | This product contains the following chemical(s) known to the state of California to cause cancer and/or birth defects based on maximum impurity levels of components: < 1 ppm cadmium < 1 ppm lead < 1 ppm arsenic < 1 ppm Ethyl acrylate, CAS no. 140-88-5 |
| U.S. Fuel Registration | Not applicable. |
| U.S. Dept of Agriculture | The USDA has accepted the data on this product to support H2 registrations. |
| U.S. Tariff Heading Number | 3811.21.00.00 |

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| Schedule B Number | Not determined. |
| FDA Approval | Not applicable. |
| EEC EINECS | All components are in compliance with the EC Seventh amendment Directive 92 /32/EEC. |
| Finnish Registration Number | Not Registered |
| Sweden Registration Number | Not Registered |
| Norway Registration Number | Not Registered |
| Danish Registration Number | Not Registered |
| Switzerland Bag T Registration Number | 611500 |
| Japan MITI | All components are in compliance with the Chemical Substances Control Law of Japan. |
| Australia | All components are in compliance with chemical notification requirements in Australia. |
| Canada | All components are in compliance with the Canadian Environmental Protection Act and are present on the Domestic Substances List. |
| Switzerland | All components are in compliance with the Environmentally Hazardous Substances Ordinance in Switzerland. |
| Korea | All components are in compliance in Korea. |
| Korean Registration Number | Not Registered |
| Philippines | All components are in compliance with the Philippines Toxic Substances and Hazardous and Nuclear Wastes Control Act of 1990 (R.A. 6969). |
| China Registration Number | Not Registered |
| New Zealand Registration Number | Not Registered |
| Malta Registration Number | Not Registered |
| Ukraine Registration Number | Not Registered |

US NFPA Codes

| Health | Fire | Reactivity | Special |
|--------|------|------------|---------|
| 1 | 1 | 0 | N/E |

HMIS Codes

| Health | Fire | Reactivity |
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| 1 | 1 | 0 |

Precautionary Labels

- This material has no known hazards.

Revision Indicators

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| Section: 5 FLASH POINT | Changed: 03 December 1999 |
| Section: 7 MAXIMUM STORAGE TEMPERATURE | Changed: 04 February 2000 |
| Section: 11 DERMAL TOXICITY | Changed: 09 January 2000 |
| Section: 11 ORAL TOXICITY | Changed: 09 January 2000 |
| Section: 12 ALGAE TOXICITY | Changed: 04 February 2000 |
| Section: 13 WASTE DISPOSAL | Changed: 22 June 1999 |
| Section: 14 ADG CODE SHIPPING DESCRIPTION | Changed: 09 January 2000 |
| Section: 14 ADG ELEVATED PSN | Changed: 09 January 2000 |
| Section: 14 ADR ELEVATED PSN | Changed: 03 December 1999 |
| Section: 14 U.S. DOT BULK SHIPPING DESCRIPTION | Changed: 09 January 2000 |
| Section: 14 DOT ELEVATED PSN | Changed: 09 January 2000 |
| Section: 14 U.S. DOT NON-BULK SHIPPING DESCRIPTION | Changed: 09 January 2000 |
| Section: 14 ICAO SHIPPING DESCRIPTION | Changed: 09 January 2000 |
| Section: 14 IMDG CODE SHIPPING DESCRIPTION | Changed: 09 January 2000 |
| Section: 14 IMDG ELEVATED PSN | Changed: 09 January 2000 |
| Section: 14 MEXICO, NON-BULK SHIPPING DESCRIPTION | Changed: 09 January 2000 |
| Section: 14 TDG SHIPPING DESCRIPTION | Changed: 09 January 2000 |

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| Section: 14 TDG ELEVATED PSN | 2000 Changed: 09 January 2000 |
| Section: 14 TDG NON-BULK PSN | Changed: 09 January 2000 |
| Section: 15 CANADA | Changed: 31 February 2000 |
| Section: 15 OTHER TSCA REGULATIONS | Changed: 04 February 2000 |

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