

# Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

# U.S. Department of Labor

Occupational Safety and Health Administration  
(Non-Mandatory Form)  
Form Approved OMB No. 1218.0072

**IDENTITY (As Used on Label and List)**  
Edisol XT

*Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.*

## Section I

|  |   |
|--|---|
| <b>Manufacturer's Name</b><br>Cooper Power Systems, Cooper Industries, Inc.                                | <b>Emergency Telephone Number</b><br>(864) 223 2311   |
| <b>Address (Number, Street, City, State, and ZIP Code)</b><br>1520 Emerald Road<br><br>Greenwood, SC 29646 | <b>Telephone Number for Information</b><br>(864) 223 2311<br><br><b>Date Prepared</b><br>January 22, 1997<br><br><b>Signature of Preparer (optional)</b> <i>Gary Garger</i> |

## Section II — Hazardous Ingredients/Identity Information

| Hazardous Components (Specific Chemical Identity; Common Name(s))  | OSHA PEL | ACGIH TLV | Other Limits Recommended | % (optional) |
|--|----------|-----------|--------------------------|--------------|
| Edisol XT is an approximately equal blend of 1,phenyl-1-(3,4 xylyl ethane) CAS No. 6196-95-8 (C <sub>16</sub> H <sub>14</sub> ) and a composition consisting of primarily (70-80%) phenyl tolyl methane (benzyl toluene) CAS No. 27776-01-8 (C <sub>14</sub> H <sub>14</sub> ) with the remaining components diphenyl tolyl methanes (polybenzylated toluenes) CAS No. 26898-17-9, 100404-06-6 and 57881-18-9 (C <sub>21</sub> H <sub>20</sub> ). The materials are considered nonhazardous synthetic oils belonging to the generic class of organic compounds known as aromatic hydrocarbons. |          |           |                          |              |

Not listed by OSHA Permissible Exposure Limit (PEL) or American Conference of Government Industrial Hygienists (ACGIH). Permissible exposure limit estimated at 50 parts per million (ppm) in air. Concentrations of 50 ppm in air are only possible when the fluid is heated.

## Section III — Physical/Chemical Characteristics

|                                |          |  |                 |
|--------------------------------|----------|--|-----------------|
| <b>Boiling Point</b>           | 280-380* | <b>Specific Gravity (H<sub>2</sub>O = 1)</b> | 0.999           |
| <b>Vapor Pressure (mm Hg.)</b> | Nil      | <b>Melting Point</b>                         | Less than -50°C |
| <b>Vapor Density (AIR = 1)</b> | N.A.     | <b>Evaporation Rate (Butyl Acetate = 1)</b>  | Nil             |

**Solubility in Water** Nil

**Appearance and Odor** Colorless water white liquid, slight aromatic odor

## Section IV — Fire and Explosion Hazard Data

|  |                                 |            |            |
|--|---------------------------------|------------|------------|
| <b>Flash Point (Method Used)</b><br>145°C (290°F) C.O.C.                     | <b>Flammable Limits</b><br>N.D. | <b>LEL</b> | <b>UEL</b> |
| <b>Extinguishing Media</b><br>Water fog, CO <sub>2</sub> , dry chemical foam |                                 |            |            |

### Special Fire Fighting Procedures

Use self-contained breathing gear for fire fighting in confined areas. Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposure.

### Unusual Fire and Explosion Hazards

Slight when exposed to flame; can react with oxidizing materials. Combustible - Class III B liquid.

| Section V — Reactivity Data   |  |                          |  |
|---|--|--------------------------|--|
| Stability   | Unstable                               |                          | Conditions to Avoid    Avoid contact with strong oxidizing agents. |
|   | Stable                                 | X                        |  |
| Incompatibility ( <i>Materials to Avoid</i> )<br>Strong oxidizing agents.   |  |                          |  |
| Hazardous Decomposition or Byproducts   |  |                          |  |
| Hazardous Polymerization  | May Occur                              |                          | Conditions to Avoid    N.A.  |
|   | Will Not Occur                         | X                        |  |
| Section VI — Health Hazard Data   |  |                          |  |
| Route(s) of Entry:  | Inhalation?    Unlikely                | Skin?    Unknown         | Ingestion?    Unlikely   |
| Health Hazards ( <i>Acute and Chronic</i> )    Contact with skin may cause dermatitis in some individuals   |  |                          |  |
| Carcinogenicity:  | NTP?    No                             | IARC Monographs?    None | OSHA Regulated?    No  |
| Signs and Symptoms of Exposure    N.A.  |  |                          |  |
| Medical Conditions<br>Generally Aggravated by Exposure    Dermatitis  |  |                          |  |
| Emergency and First Aid Procedures<br>Skin Contact: Remove by wiping and wash with soap and water. Eye Contact: Wash with copious amounts of water. Seek Medical Aid; Inhalation: Remove from exposure to fumes, mists. Ingestion: Do not induce vomiting. Administer 2-4 oz. of vegetable or olive oil and 1-2 oz. activated charcoal. Seek Medical Aid. |  |                          |  |
| Section VII — Precautions for Safe Handling and Use   |  |                          |  |
| Steps to Be Taken in Case Material Is Released or Spilled<br>1) Stop flow or eliminate source of leakage. 2) Eliminate all sources of ignition. 3) Absorb liquid with oil absorbent material. 4) Avoid dermal contact. 5) Remove soiled clothing.   |  |                          |  |
| Waste Disposal Method<br>Fluid and saturated solids by: (1) incineration (no corrosive gas emission; products of combustion are CO <sub>2</sub> and H <sub>2</sub> O). (2) Landfill (in accordance with state and local regulations).   |  |                          |  |
| Precautions to Be Taken in Handling and Storing<br>Fluid is normally hermetically sealed in metal container and as such requires no special handling precautions.   |  |                          |  |
| Other Precautions<br>In case of leakage from capacitor tank, follow procedures specified in Section VIII under control measures.  |  |                          |  |
| Section VIII — Control Measures   |  |                          |  |
| Respiratory Protection ( <i>Specify Type</i> )<br>Requires no special protection for manufacturing procedures at ambient room temperatures.   |  |                          |  |
| Ventilation   | Local Exhaust    Yes                   | Special    N.A.          |  |
|   | Mechanical ( <i>General</i> )    Yes   | Other    N.A.            |  |
| Protective Gloves   | Neoprene, butyl rubber or polyethylene | Eye Protection           | Chemical Goggles   |
| Other Protective Clothing or Equipment    N/A   |  |                          |  |
| Work/Hygienic Practices    Avoid frequent or prolonged skin contact or inhalation of mists, fumes or vapors. Handle and store using methods generally advocated for combustible hydrocarbons. Do not wear contaminated clothing.  |  |                          |  |