

**ThermOil**<sup>®</sup>  
PROTECTION FOR YOUR BATTERY

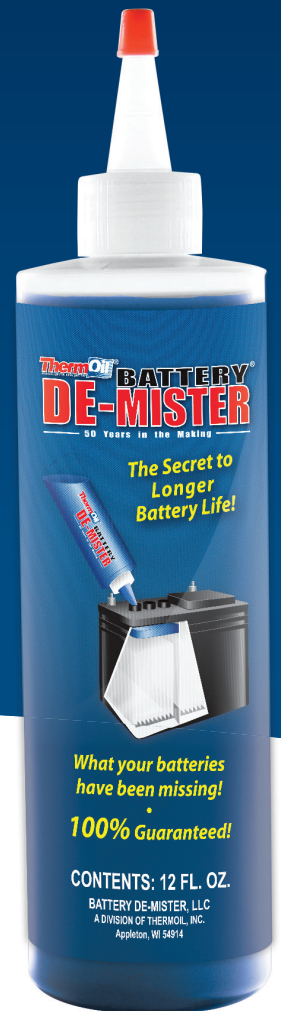
# BATTERY DE-MISTER<sup>®</sup>

50 Years in the Making



## ADVANTAGES OF BATTERY DE-MISTER<sup>®</sup>

- Greatly extends battery life
- Greatly reduces water consumption
- Eliminates corrosion
- Greatly reduces risk of explosion
- Faster battery recharge time
- Better battery temperature efficiency
- Ensures proper battery chemistry
- Reduces toxic fumes
- No toxic odor of electrolyte
- Increases resistance to very cold or very hot weather  
Oil Freezing Point: -50°F / -45°C  
Oil Boiling Point: 400°F / 204°C
- Non-Hazardous
- 100% Guaranteed



## How Battery De-Mister<sup>®</sup> Works

Battery De-Mister<sup>®</sup> with ThermOil<sup>®</sup> technology is a secret battery oil additive made of a combination of severely hydro-treated naphthenic base oils and hydrogenated polyalphaolefin synthetic oil coupled with an effective ash-less non-acidic rust inhibitor. Incorporated in the oil are an amine type anti-oxidant and an olefin co-polymer type viscosity modifier.

This unique base oil mix serves to eliminate polar sites, thus the oil has no inclination to attach itself to the plates of the battery thereby preventing the battery from premature failure during deep discharge cycles. Battery De-Mister has an indefinite shelf life.

The electrolyte in a lead acid battery consists of about 35% pure sulfuric acid and 65% pure distilled water. When a lead acid battery is on charge, the water present in the electrolyte breaks down into oxygen and explosive hydrogen gas. Bubbles of oxygen and hydrogen race to the top of the electrolyte and break violently on the surface, creating an acidic mist that escapes through the vent tubes and settles on the top of the battery. This acid mist causes corrosion of the battery posts, cables and any surrounding electrical or mechanical components.

This corrosion increases resistance and interferes with the proper functioning of the battery. Charging time increases, using more electricity while generating more heat which wears more

paste from the plates which shortens battery life. Voltage decreases, then amps increase resulting in more heat generated through the electrical system, destroying everything from battery cables, relays and switches to circuit boards and alternators. Acid lost through misting dilutes the electrolyte accelerating the self-discharge rate contributing to sulfation. The net result is reduced reserve capacity, shorter battery life and the need for increased maintenance.

Battery De-Mister<sup>®</sup> is a patented battery oil which is lighter than acid and water, so it will always float on top of the electrolyte forming a barrier. This oil condenses the hydrogen and oxygen gases, returning the water molecules back into the cells and eliminating the sulfuric

acid mist forced out the vent during the charging process. With no mist and much less gassing, Battery De-Mister<sup>®</sup> eliminates corrosion while maintaining electrolyte chemistry. You will increase battery life, reduce water consumption seven to fifteen times and significantly reduce sulfation, toxic fumes and the risk of explosion.

ThermOil has been treating batteries since 1992 and Battery De-Mister<sup>®</sup> works every time—which is why we back it with a 100% Guarantee! If Battery De-Mister<sup>®</sup> does not perform as stated above we will refund your purchase price. **Reduce your maintenance costs and extend the life of your batteries with ThermOil<sup>®</sup> Battery De-Mister<sup>®</sup>.**

This product is non-hazardous.

■ TO WATCH A SHORT 4-MINUTE VIDEO EXPLAINING HOW BATTERY DE-MISTER<sup>®</sup> WORKS, VISIT [WWW.THERMOIL.COM](http://WWW.THERMOIL.COM) AND CLICK "HOW IT WORKS".