

# TECHNICAL DATA SHEET

## NASA Battery Mixture-Electrolyte \_\_\_\_\_

### SECTION 1: Product Description & Advantages

#### 1.1 Product Description

NASA Battery Mixture is a high-purity sulfuric acid solution designed for use in automotive and industrial lead-acid batteries. This specially formulated mixture maintains optimal specific gravity, which helps protect battery plates from premature degradation and enhances overall battery performance.

#### 1.2 Advantages

1. Protects against premature decomposition of battery plates.
2. Improves performance and charging efficiency, especially for batteries showing signs of weakness.
3. Compatible with all types of lead-acid batteries, including those used in cars, trucks, UPS systems, and power generators.

#### 1.3 Precautions

4. This product is corrosive. Handle with care and follow all safety instructions.
5. Do not apply to hot surfaces or mix with other chemicals.
6. Avoid contact with metals, as the mixture reacts with most metals and may produce flammable hydrogen gas.

### SECTION 2: Typical Data

| Property                                    | Result                              |
|---|-------------------------------------|
| Physical State                              | Liquid                              |
| Appearance                                  | Electrolyte is a clear liquid       |
| Odor  | Sharp, penetrating and pungent odor |
| Specific Gravity at 85 °F                   | 1.250                               |
| Solubility In Water                         | 100%                                |
| pH  | <1                                  |
| Relative evaporation rate (butyl acetate=1) | <1                                  |



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