

# Storage Battery Systems LLC

**BATTERY CLEANER &  
ACID NEUTRALIZER**

## MATERIAL SAFETY DATA SHEET

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MSDS#: BACN  
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### Section I: Product Information

Trade Name: BATTERY CLEANER & ACID NEUTRALIZER  
SBS Part Numbers: NA5410932, NA5420035, NA5430401, NA5430401-1 GAL, NA5440005, NA5460055  
Formula: Proprietary blend  
Chemical Name and Synonyms: Alkaline Cleaning Solution  
C.A.S. Registry Number: N/A - Mixture

Chemical Family: Alkaline Cleaners  
D.O.T. Proper Shipping Name: Not regulated  
D.O.T. Hazard Class: N/A  
D.O.T. Label: N/A  
D.O.T. Identification No.: N/A

### Section II: Physical Data

Specific gravity: 1.108  
Freezing point: N.D.  
Boiling point: N.D.  
Vapor pressure: N.D.  
Appearance & Odor: Red liquid with slight citrus odor

Finished product weight: 9.23 lbs/gal  
pH: 11.3 (nominal)  
Solubility in water: Soluble  
Evaporation rate: N.D.  
Percent Volatile (wt.%): N.D.

### Section III: Ingredients

| Chemical Name (CAS No.):     | Wt%   | PEL Level       | TLV             |
|------------------------------|-------|-----------------|-----------------|
| Surfactant Mixture (mixture) | 5-10  | Not Established | Not Established |
| Alkaline Salts (mixture)     | 5-15  | Not Established | Not Established |
| Water (7732-18-5)            | 60-85 | Not Established | Not Established |

### Section IV: Fire and Explosion Data

Flashpoint: >200° F  
Extinguishing Media: For fires use water spray, dry chemical, foam, or carbon dioxide.  
Special fire fighting procedures: Evacuate area of all unprotected personnel. Wear full protective clothing and positive pressure, self-contained breathing apparatus.  
Unusual fire and explosion hazards: Burning can produce oxides of carbon. Any proposed use of this product at extreme temperatures is not recommended.

### Section V: Reactivity Data

Stability: Stable  
Incompatibility: Oxidizers, strong acids, strong bases; prolonged contact with aluminum, brass, copper or other alkali sensitive metals.  
Hazardous Decomposition Products: Burning can produce oxides of carbon.  
Hazardous Polymerization: Will not occur  
Conditions to Avoid: Excessive heat, sparks, open flames, and strong oxidizing conditions

## Section VI: Spill/Leak and Disposal Procedures

Contain spill, ventilate area, wear personal protective equipment, wipe up or absorb on inert absorbent. Dispose in accordance with local, state, and federal regulations.

## Section VII: Health Data

Effects of Overexposure:

|                                 |   |
|---------------------------------|---|
| Eye Contact:                    | Irritant, possibly corrosive to eye tissues. May cause permanent eye damage. Tearing, redness, pain, impaired vision are symptoms.                    |
| Skin Contact:                   | Irritant, possibly corrosive if contact is prolonged. Soreness, redness, destruction of skin may result.  |
| Inhalation:                     | Respiratory tract irritant, may cause serious burns on acute contact.   |
| Ingestion:                      | Irritant, possibly corrosive to mucous membranes, esophagus and stomach. Abdominal pain, nausea, vomiting, general gastrointestinal upset may result. |
| Emergency First Aid Procedures: |   |
| Eye Contact:                    | Flush eyes thoroughly with plenty of water. Hold lids open while flushing. Get medical attention immediately.   |
| Skin Protection:                | Flush area thoroughly with fresh water. If irritation is severe, call a physician.  |
| Inhalation:                     | Remove affected person to fresh air. If breathing is difficult, call a physician.   |
| Ingestion:                      | DO NOT INDUCE VOMITING. Call a physician.   |

## Section VIII: Special Protection Information

|                             |   |
|-----------------------------|---|
| Eye Protection:             | Safety glasses/goggles or glasses with a face shield. |
| Skin Protection:            | Rubber or plastic gloves                              |
| Respiratory Protection:     | Use in well-ventilated areas                          |
| Other protective equipment: | N/A   |

## Section IX: Special Precautions

|                                   |  |
|-----------------------------------|--|
| Storage and Handling Precautions: | Store in cool, dry area. Keep out of direct sunlight. Do not store near flames or other heat sources. Keep containers tightly closed. Make sure all containers are labeled properly. For industrial and commercial use only. |
| Other Precautions:                | Avoid eye and skin contact. Avoid breathing vapors. Do not swallow. Wash hands thoroughly after handling.  |

## Section X: Supplemental Health Information

Carcinogen Content: This product does not contain greater than 0.1% of the known or potential carcinogens in NTP, IARC, or OSHA.