

BATTERY ACID CLEANER & NEUTRALIZER (Ready To Use)

MATERIAL SAFETY DATA SHEET

Industrial Battery Supply
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MSDS#: 80002(PFC262)
Revision: 2
Revision Date: 1/4/07

Section I: Product Information

Trade Name : Battery Acid Cleaner & Neutralizer (Ready To Use)

Chemical Name and Synonyms : Alkaline Cleaner
C.A.S. Registry Number : N/A - Mixture
D.O.T. Proper shipping name : Not regulated
D.O.T. Hazard Class : N/A

Chemical Family : Alkaline Cleaner
Formula : Proprietary blend
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.

Product Weight: 9.23 lbs./gal.
pH: 10-11.8
Solubility in water : Complete
Evaporation rate : N.D.

Appearance & Odor : Red-Orange liquid with slight citrus odor
Percent Volatile (wt.%) : N.D.

Section III: Ingredients

Chemical Name(CAS#):	Wt%	PEL Level	TLV
Sodium Carbonate(497-19-8)	1-10	Not Established	Not Established
Potassium Carbonate(584-08-7)	5-15	Not Established	Not Established
Surfactant Mixture(N/A-Mixture)	5-20	Not Established	Not Established
Water(7732-18-5)	60-90	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: Wear full protective clothing and positive pressure breathing apparatus. Approach fire from upwind to avoid hazardous vapors.
Unusual explosion hazards: Extreme heat may cause pressure to build up inside container. Any proposed use of this product at extreme temperatures is not recommended.

Section V: Reactivity Data

Stability: Stable
Incompatibility : Strong acids, strong oxidizers, lime dust (calcium oxide)
Hazardous Decomposition Prod: Burning can produce oxides of carbon
Hazardous Polymerization: Will not occur
Conditions to Avoid: Excessive heat, 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.

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Section VII: Health Data

Effects of Overexposure:

Eye Contact:	Irritant, possibly corrosive to eye tissues. 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,
Emergency First Aid Procedures	
Eye Contact:	Flush eyes thoroughly with plenty of water. Hold lids open while flushing. If irritation persists, contact a physician.
Skin Protection:	Flush area thoroughly with fresh water
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. Read and understand the MSDS before using any chemical product. 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