

MATERIAL SAFETY DATA SHEET

Battery Cleaner

SECTION I PRODUCT IDENTIFICATION

PRODUCT NAME:

Battery Cleaner/Neutralizer

FORMULA NO. 2226

PRODUCT TYPE: Cleaner

NFPA Acute Hazard Rating: HEALTH: 1

FIRE: 0

REACTIVITY: 0

WHMIS Class: Class D - Division 2B

SECTION II INGREDIENTS

	<u>#CAS</u>	<u>Wt%</u>	<u>ACGIH-TLV</u>	<u>LC 50</u>	<u>LD 50</u>
Potassium Carbonate	584-08-7	5-10	10 mg/m ³ TWA	2430 mg/m ³ 4h, rat	1870 mg/kg oral, rat
Sodium xylene sulfonate	1300-72-7	1-3	10 mg/m ³ TWA	Not available	650 mg/kg oral, rat
Alcohol Ethoxylate	68439-46-3	1-2	Not Applicable	>2,000 mg/kg oral, rat	>2,000 mg/kg oral, rat
Water	7732-18-5	93-85	Not Established	Not Available	Not Available

Carcinogenicity: Non-hazardous by WHMIS/OSHA criteria. Not listed by IARC, NTP, or ACGIH

SECTION III EMERGENCY AND FIRST AID PROCEDURE

Eye Contact: Flush eyes with water for at least 15 minutes. If irritation persists, seek medical attention.

Skin Contact: Wash thoroughly with soap and water for 15 minutes.

Inhalation: Move victim to fresh air. If symptoms persist seek medical attention.

Ingestion: Drink 1-2 glasses of water. If symptoms persist or reoccur, seek medical attention.

SECTION IV PHYSIOLOGICAL EFFECTS

Routes of entry: eye contact, skin contact, oral ingestion, inhalation

Health Hazards - Acute

Eyes:	May cause blurred vision, redness, watering, irritation
Skin:	May cause irritation
Inhalation:	Heavy or prolonged exposure may cause respiratory tract irritation.
Ingestion:	May cause gastrointestinal irritation, vomiting, cramps, diarrhea

Health Hazards - Chronic

Skin:	Prolonged or repeated contact can cause drying, defatting and dermatitis
Irritancy:	Hazardous by WHMIS criteria
Respiratory Tract:	No data available
Teratogenicity:	No data available

SECTION V OCCUPATIONAL PROCEDURES

Ventilation: None required with normal use.

It is always good practice when using any Chemical Cleaning Compounds to always work in a well ventilated area.

Personal Protective Equipment: Respirator Type: None required with adequate ventilation.

Gloves: None required with normal use Rubber gloves

Eye Protection: Safety glasses

Other Protective Equipment: As required by employer

SECTION VI PHYSICAL DATA

BOILING RANGE: 100 C

VAPOR DENSITY: N.A.

EVAPORATION RATE: N.A.

PERCENT VOLATILE: NA

SOLUBILITY IN WATER: Complete

SPECIFIC GRAVITY: 1.04

pH of Concentrate: 12.1

Physical State: Liquid

APPEARANCE: Clear, amber

ODOR: Non-scented

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FLASH POINT N.A.

FLAMMABLE OR EXPLOSIVE LIMITS (APPROXIMATE PERCENT BY VOLUME IN AIR)

LEL= NA UEL= NA

AUTOIGNITION TEMP.: NA

EXTINGUISHING MEDIA: FOAM ** CO2 ** DRY CHEMICAL ** WATER/FOG ** OTHER

HAZARDOUS COMBUSTION PRODUCTS: MAY INCLUDE AND NOT LIMITED TO OXIDES OF CARBON, OXIDES OF SULPHUR, HYDROGEN SUPHIDE WHEN HEATED TO DECOMPOSITION.

SPECIAL FIRE FIGHTING PROCEDURES: SELF-CONTAINED BREATHING APPARATUS

PRODUCTS UNDER FIRE CONDITIONS: MAY INCLUDE AND NOT LIMITED TO OXIDES OF CARBON, OXIDES OF SULPHUR, HYDROGEN SUPHIDE WHEN HEATED TO DECOMPOSITION.

SECTION VIII

REACTIVITY DATA

CONDITIONS CONTRIBUTING TO INSTABILITY: UNDER NORMAL CONDITIONS, THIS PRODUCT IS STABLE.

INCOMPATIBILITY: ACIDS, OXIDIZERS

HAZARDOUS DECOMPOSITION PRODUCTS: MAY INCLUDE AND NOT LIMITED TO OXIDES OF CARBON, OXIDES OF SULPHUR, HYDROGEN SUPHIDE WHEN HEATED TO DECOMPOSITION.

CONDITIONS CONTRIBUTING TO HAZARDOUS POLYMERIZATION: MATERIAL IS NOT KNOWN TO POLYMERIZE.

CORROSIVE ACTION ON MATERIALS: NONE UNDER NORMAL CONDITIONS.

SECTION IX

STORAGE AND HANDLING PRECAUTIONS

STORAGE: Store in a cool dry place.

Keep out of the reach of children

SECTION X

ENVIRONMENTAL PROCEDURES

IN CASE OF LEAK OR SPILL: Small spills may be absorbed with non-reactive absorbent and placed in a suitable, covered, labeled container. Prevent large spills from entering sewers or waterways.

WASTE DISPOSAL METHOD: Disposal is to be performed in compliance with all Federal, State and Local regulations.

SECTION XI

D.O.T. PROPER SHIPPING NAME

POWERHOUSE BATTERY CLEANER/NEUTRALIZER
CLEANING COMPOUND NOS
NON-HAZARDOUS