

BATTERY EQUALISER- FLUID

Product: 0001

Revision Date: 2003/03/10

Section 1 : PRODUCT AND COMPANY IDENTIFICATION

Chemical family: Mixture.

Manufacturer: Battery equaliser USA, LLC
2225 Sara way
Carlsbad,CA 92008.

Manufacturer emergency phone number: 888-851-4431.

Section 2 : INGREDIENT INFORMATION

C.A.S.	CONCENTRATION %	Nombre del ingrediente	TLV	LD50	LC50
10124-36-4	0.1 - 1	CADMIUM SULFATE	0.002 MG(CD)/M3	280 MG/KG RAT ORAL 88 MG/KG MOUSE ORAL	NOT AVAILABLE
10124-43-3	0.1 - 1	COBALT SULFATE	NOT AVAILABLE	424 MG/KG RAT ORAL 584 MG/KG MOUSE ORAL	NOT AVAILABLE

Section 3 : HAZARD IDENTIFICATION

Emergency overview: Battery Equiliser is a pink, odorless liquid. It contains a toxic substance and should not be taken internally. Be sure to apply with the same care as when normally adding water to any battery.

Route of entry: Skin contact, eye contact and ingestion.

Effects of acute exposure

Eye contact: May cause redness and pain.
May cause severe irritation.

Skin contact: May cause dryness.
May cause mild irritation.

Inhalation: No adverse effects expected.

Ingestion: May cause vomiting.

Effects of chronic exposure: May lead to coma and death.

Sensitization to product: Not available.

Carcinogenic effects: Cadmium is a carcinogen.
Certain cobalt compounds are listed by IARC as carcinogens.

Reproductive effects: Not available.

Teratogenicity: Not available.

Mutagenicity: Not available.

Synergistic materials: Not available.

Section 4 : FIRST AID MEASURES

Skin contact: Wash with water and soap.
If irritation persists, consult a physician.

Eye contact: Seek medical attention if irritation persists.
Flush with plenty of water.

Inhalation: Not applicable.

Ingestion: Get medical attention immediately.
Do not induce vomiting.
Have victim drink ipecac syrup and approximately 300 ml of water.

Additional information: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any inaccuracies.

Section 5 : FIRE FIGHTING MEASURES

Flammability: Not flammable.

Conditions of flammability: Surrounding fire.

Extinguishing media: Suitable for type of surrounding fire.

Special procedures: Self-contained breathing apparatus required.
Firefighters should wear the usual protective gear.

Auto-ignition temperature: Not applicable.

Flash point (°C), method: Not applicable.

Lower flammability limit (% vol): Not applicable.

Upper flammability limit (% vol): Not applicable.

Explosion Data

Sensitivity to static discharge: Not applicable.

Sensitivity to mechanical impact: Not applicable.

Hazardous combustion products: None known.

Rate of burning: Not applicable.

Explosive power: Not applicable.

Section 6 : ACCIDENTAL RELEASE MEASURES

Leak/Spill: Place in an approved container and seal.
Mop up or soak up with absorbent material.

Section 7 : HANDLING AND STORAGE

Handling procedures and equipment: Avoid skin and eye contact.
Handle with care.
Wash thoroughly after handling.
Do not ingest.

Storage requirements: Store in a clean, dry place.
Avoid direct sunlight during prolonged storage.

Section 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Precautionary Measures

Gloves/Type:



Rubber gloves.

Respiratory/Type: None required under normal use.

Eye/Type:



Chemical safety goggles.

Footwear/Type:



Safety boots per local regulations.

Clothing/Type: Normal work clothes.

Other/Type: Eye wash facility should be in close proximity.
Emergency shower should be in close proximity.

Ventilation requirements: Adequate general ventilation.

Exposure limit of material: Not available for mixture, see the ingredients section.

Section 9 : PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid.

Appearance & odor: Odorless.
Pink

Odor threshold (ppm): Not available.

Vapour pressure (mmHg): Not available.

Vapour density (air=1): Not available.

Volatiles (%)

By volume: Not available.

**Evaporation rate
(butyl acetate = 1):** Not available.

Boiling point (°C): 115°C

Freezing point (°C): Not available.

pH: 9.22

Specific gravity @ 20 °C: Not available.

Solubility in water (%): Very soluble.

Coefficient of water\oil dist.: Not available.

VOC: Not available.

Section 10 : STABILITY AND REACTIVITY

Chemical stability: Product is stable.

Conditions of reactivity: Heat and open flames.

Hazardous polymerization: Not expected to occur.

Incompatible substances: None known.

Hazardous decomposition products: None known.

Section 11 : TOXICOLOGICAL INFORMATION

LD50 of product, species & route: Not available for mixture, see the ingredients section.

LC50 of product, species & route: Not available for mixture, see the ingredients section.

Section 12 : ECOLOGICAL INFORMATION

Environmental toxicity: No data at this time.

Section 13 : DISPOSAL CONSIDERATIONS

Waste disposal: In accordance with municipal, provincial and federal regulations.

Section 14 : TRANSPORT INFORMATION

TDG classification:

Not regulated.



Special shipping information: See transportation information.

Section 15 : REGULATORY INFORMATION

WHMIS classification:

D2A



DSL status: Appears on DSL.

TSCA inventory: All components of this product are listed on the TSCA inventory.

SARA Section 313: Copper Sulfate < 1%.

CERCLA reportable quantity: Aluminum Sulfate 5000 lbs.

Section 16 : OTHER INFORMATION

Supplier MSDS date: 2003/02/19

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