

Safety Data Sheet

Battery Equaliser-Fluid

SECTION 1: IDENTIFICATION

Product Name: Battery Equaliser-Fluid

Manufacturer: Battery Equaliser USA, LLC
1075 Linda Vista Dr. Suite D
San Marcos, CA 92078, USA.

Information Phone Number: 888-851-4431

Emergency Phone Number: 888-851-4431

Product Use: Industrial uses

Restriction on Use: None known

SDS Date of Preparation: March 12, 2015

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification (Hazcom 2012):

Skin Sensitizer Category 1

Respiratory Sensitization

Germ Cell Mutagen Category 1B

Carcinogenicity Category 1A

Reproductive Toxicity Category 1B

Label Elements:

Danger



Hazard Phrases:

May cause an allergic skin reaction

May cause an allergy or asthma symptoms or breathing difficulties if inhaled.

May cause genetic defects

May cause cancer.

May damage fertility or the unborn child.

Precautionary Phrases:

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Avoid breathing mists or spray.

Contaminated work clothing should not be allowed out of the workplace.

Wear protective gloves and protective clothing.

In case of inadequate ventilation wear respiratory protection.

IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical attention. Take off contaminated clothing and wash it before reuse.

IF INHALED: remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: Call a POISON CENTER or doctor.

IF exposed or concerned: Call a POISON CENTER or doctor.

Store locked up.

Dispose of contents in accordance with local, regional and national regulations.

Other Hazards: None

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	%
Cobalt Sulfate	10026-24-1	0.1-<1.0
Cadmium Sulfate	10124-36-4	0.1-<1.0
Non-Hazardous Ingredients	Proprietary	Balance

The specific identity and/or exact percentage of composition has been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

Eye: Flush eyes with water, holding the eyelids apart for several minutes. Get medical attention if irritation develops or persists.

Skin: Wash thoroughly with plenty of soap and water. Get medical attention if irritation persists or rash develops.

Inhalation: Remove to fresh air and keep comfortable for breathing. If irritation or other symptoms occur, get medical attention. Seek immediate medical if breathing difficulties or asthma symptoms develop.

Ingestion: If large amounts ingested, seek medical attention.

Most Important symptoms and effects, both acute and delayed: May cause eye and skin irritation. Skin contact may cause an allergic reaction. Inhalation of sprays or mist may cause respiratory irritation and possibly an allergic reaction with asthma-like symptoms. May cause cancer, adverse effects on the DNA of reproductive cells and adverse reproductive effects. Risk of these effects depends on duration and level of exposure.

Indication of any immediate medical attention and special treatment needed: Seek immediate medical attention if breathing difficulties or asthma symptoms develop.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable and Unsuitable Extinguishing Media: Use any media that is suitable for the surrounding fire.

Special Hazards Arising from the Chemical: This product is not flammable or combustible. Thermal decomposition after the water has evaporated may produce sulfur and metal oxides.

Special Equipment and Precautions for Fire-Fighters: Wear NIOSH approved positive pressure, self-contained breathing apparatus and full protective clothing. Cool fire exposed containers with water.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures: Wear appropriate personal protective equipment.

Environmental Hazards: Report spills and releases as required to appropriate authorities.

Methods and Material for Containment and Cleaning Up: Collect liquid spill with an inert absorbent material and place into a suitable container for disposal. Clean area thoroughly.

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SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling: Use with adequate ventilation. Avoid contact with eyes, skin and clothing. Do not breathe mists or sprays. Do not transfer to unlabeled containers. Wash hands and exposed skin thoroughly after handling. Remove and launder any contaminated clothing. Refer to OSHA 1910.1027 for specific regulations for cadmium compounds.

Conditions for Safe Storage, Including any Incompatibilities: Store in a clean, dry place. Avoid direct sunlight.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	Exposure Limits
Cobalt Sulfate (as Co)	0.02 mg/m ³ TWA ACGIH TLV 0.1 mg/m ³ TWA OSHA PEL
Cadmium Sulfate (as Cd)	0.01 mg/m ³ (total), 0.002 mg/m ³ (respirable)TWA ACGIH TLV 0.005 mg/m ³ TWA OSHA PEL

Appropriate Engineering Controls: Use with adequate general or local exhaust ventilation to maintain exposure levels below the exposure limits.

Individual Protection Measures:

Respiratory Protection: In operations where the occupational exposure limits are exceeded, a NIOSH approved respirator with particulate filters or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134, 1910.1027 and good industrial hygiene practice.

Skin Protection: Impervious gloves such as rubber or nitrile recommended .

Eye Protection: Safety goggles recommended where needed to avoid eye contact.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Pink liquid	Vapor Density (air = 1): Same as water
Odor: No odor	Specific Gravity: Approx 1.0
Odor Threshold: Not applicable	Water Solubility: Complete
pH: 9.22	Octanol/Water Partition Coefficient: Not available
Melting Point/Freezing Point: Not available	Autoignition Temperature: None
Boiling Point: 115°C	Decomposition Temperature: Not available
Flash Point: None	Viscosity: Not available
Evaporation Rate: Same as water	Explosion Properties: None
Flammable Limits: LEL: None UEL: None	Oxidizing Properties: Not oxidizing
Vapor Pressure: Same as water	VOC Content: 0%
	Flammability (solid, gas): Not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions of use.

Chemical Stability: Stable under normal storage and handling conditions.

Possibility of Hazardous Reactions: None known

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Conditions to Avoid: None known

Incompatible Materials: None known.

Hazardous Decomposition Products: Thermal decomposition after the water has evaporated may produce sulfur and metal oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

Potential Health Effects:

Eye: May cause irritation.

Skin: May cause skin irritation. May cause an allergic reaction.

Inhalation: Inhalation of vapors and spray may cause respiratory irritation. Cadmium is highly toxic by inhalation. Cobalt sulfate is a sensitizer and may cause an allergic reaction with asthma-like symptoms.

Ingestion: Swallowing may cause gastrointestinal irritation, nausea, vomiting, diarrhea. Cadmium and cobalt compounds are toxic if swallowed.

Chronic Hazards: Prolonged inhalation mists or sprays may cause respiratory and lung damage. Prolonged exposure to cadmium may damage the liver and kidneys. May cause cancer, adverse effects on the DNA of reproductive cells and adverse reproductive effects. Risk of these effects depends on duration and level of exposure.

Carcinogen Status: Cobalt sulfate is classified by IARC as possibly carcinogenic to humans (Group 2B) and by NTP as reasonably anticipated to be a carcinogen. Cadmium and cadmium compounds are classified as known human carcinogens by IARC (Group 1), NTP and OSHA. None of the components of this product are listed as carcinogens by OSHA, IARC, NTP, ACGIH or the EU CLP.

Acute Toxicity Values: Acute Toxicity Estimate (ATE) oral 20,000 mg/kg
Cobalt Sulfate: Oral rat LD50 768 mg/kg
Cadmium Sulfate: Oral rat LD50 280 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: No data available

Cobalt sulfate and Cadmium sulfate are toxic to aquatic organisms. This product is classified under the GHS as Aquatic Chronic Toxicity Category 2.

Persistence and Degradability: No data available

Bioaccumulative Potential: No data available

Mobility in Soil: No data available

Other Adverse Effects: None known

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, regional and national regulations.

SECTION 14: TRANSPORT INFORMATION

DOT Proper Shipping Name: Not regulated

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DOT Technical Name: None
DOT Hazard Class: None
UN Number: None
DOT Labels Required (49CFR172.101): None

IMDG Shipping Description: UN3082, Environmentally Hazardous Substance, Liquid, n.o.s. (Cobalt Sulfate, Cadmium Sulfate), 9, III
ID Number: UN3082
Hazard Class: 9
Packing Group: III
Labels Required: Class 9

SECTION 15: REGULATORY INFORMATION

Safety, health, and environmental regulations specific for the product in question.

CERCLA Hazardous Substances (Section 103)/RQ: This product has no Reportable Quantity (RQ). Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

SARA Hazard Category (311/312): Acute Health, Chronic Health

SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313: Cobalt Compounds, Cadmium Compounds

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

CALIFORNIA PROPOSITION 65: This product contains the following substances known to the state of California to cause cancer and/or reproductive toxicity: Cobalt sulfate heptahydrate, Cadmium compounds

SECTION 16: OTHER INFORMATION

Revision Summary: New format to comply with OSHA Hazcom 2012

SDS Date of Preparation/Revision: March 12, 2015

NOTICE

This above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide. Battery Equaliser USA, LLC shall not be held liable for any damage resulting from handling or from contact with the above product. This information relates only to the product designated herein and does not relate to its use in combination with any other material or process.