



SAFETY DATA SHEET

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1. IDENTIFICATION

PRODUCT NAME: Zinc Chloride Batteries (Heavy Duty & General Purpose)
SIZES: All
EMERGENCY TELEPHONE NUMBER: 800-424-9300 (24 hr, Chemtrec)

2. HAZARD IDENTIFICATION

We would like to inform our customers that these batteries are exempt articles and are not subject to the 29 CFR 1910.1200 OSHA requirements, Canadian WHMIS requirements or GHS requirements.

Emergency Overview

OSHA Hazards-not applicable
Target Organs-not applicable
GHS Classification-not applicable
GHS Label Elements, including precautionary Statement-not applicable
Pictogram-not applicable
Signal words-not applicable
Hazard statements-not applicable
Precautionary statements-not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS #	%	TWA/TLV
Steel	7439-89-6	8 – 14	Not Listed
Manganese Dioxide	1313-13-9	28 – 32	C5.0 mg/m ³ (TWA)
Zinc	7440-66-6	16 – 20	5.0 mg/m ³ (ZnOas Fume)
Acetylene Black	1333-86-4	7 – 13	3.5 mg/m ³ (Carbon Black, TWA)
Ammonium Chloride	12125-02-9	1-3	Not Listed
Zinc Chloride	7646-85-7	6 - 10	Not Listed
Lead	7439-92-1	< .02	50 ug/m ³ (TWA)
Water, paper, plastic, other	---	Balance	---

Source: OSHA 29 CFR 1910.1000 Table Z-1, 2 or 3 11-01-12

4. FIRST AID INFORMATION

EFFECTS OF OVEREXPOSURE: NA

EMERGENCY FIRST AID PROCEDURES:

Skin and Eyes:

In the event that battery ruptures, flush exposed skin with copious quantities of flowing lukewarm water for a minimum of 15 minutes. Get immediate medical attention for eyes. Wash skin with soap and water.

Swallowing: If you or your doctor suspects that a battery has been ingested-for assistance in the US call the NATIONAL BATTERY INGESTION HOTLINE any time at (202) 625-3333; in Canada call 416-813-5900.

For more information, visit: <http://www.nema.org/Policy/Environmental-Stewardship/Documents/batteryingest.pdf>

5. FIRE FIGHTING MEASURES

FLASH POINT: NA

LOWER (LEL): NA

FLAMMABLE LIMITS IN AIR (%): NA

UPPER (UEL): NA

EXTINGUISHING MEDIA: Use water, foam or dry powder, as appropriate.

AUTO-IGNITION: NA

SPECIAL FIRE FIGHTING PROCEDURES: As with any fire, wear self-contained breathing apparatus to avoid inhalation of hazardous decomposition products .

SPECIAL FIRE EXPLOSION HAZARDS: Like any sealed container, battery cells may rupture when exposed to excessive heat; this could result in the release of flammable or corrosive materials.

6. ACCIDENTAL RELEASE MEASURES

PROCEDURES TO CONTAIN AND CLEAN UP LEAKS OR SPILLS: In the event of a battery rupture, prevent skin contact and collect all released material in a plastic lined metal container.

REPORTING PROCEDURE: Report all spills in accordance with Federal, State and Local reporting requirements.

7. HANDLING AND STORAGE

Store in a dry place. Storing unpackaged cells together could result in cell shorting and heat build-up

8. EXPOSURE CONTROL/PERSONAL PROTECTION

<u>RESPIRATORY PROTECTION (SPECIFY TYPE):</u>		NA
<u>VENTILATION:</u>	Local Exhaust:	NA
	Mechanical (General):	NA
	Special:	NA
	Other:	NA
<u>PROTECTIVE GLOVES:</u>		NA
<u>EYE PROTECTION:</u>		NA
<u>OTHER PROTECTIVE CLOTHING:</u>		NA

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point @ 760 mm Hg (°C):	NA	Evaporation Rate (Butyl Acetate = 1):	NA
Vapor Pressure (mm Hg @ 25°C):	NA	Physical State:	NA
Density (grams/cc):	NA	Solubility in Water (% by Weight):	NA
Percent Volatile by Volume (%):	NA	pH:	NA
Appearance and Odor:	geometric solid object		

10. STABILITY AND REACTIVITY

<u>STABLE OR UNSTABLE:</u>	Stable
<u>INCOMPATIBILITY (MATERIALS TO AVOID):</u>	NA
<u>HAZARDOUS DECOMPOSITION PRODUCTS:</u>	NA
<u>DECOMPOSITION TEMPERATURE (0°F):</u>	NA
<u>HAZARDOUS POLYMERIZATION:</u>	Will Not Occur
<u>CONDITIONS TO AVOID:</u>	Avoid electrical shorting

11. TOXICOLOGICAL INFORMATION

INGREDIENT NAME	CAS #	%	TWA/TLV
Steel	7439-89-6	8 – 14	Not Listed
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12. ECOLOGICAL INFORMATION

Under normal use these batteries do not release their ingredients into the environment. Damaged or abused batteries can release small amounts of zinc, and manganese. Damaged batteries carelessly discarded could release small amounts of zinc to storm or surface water. Do not place in fires-dispose of properly to prevent release.

13. DISPOSAL CONSIDERATIONS

Always comply with Federal, State and local requirements. Contact your battery distributor for details regarding recycling options or visit: <http://www.nema.org/Policy/Environmental-Stewardship/Documents/Companies%20Claiming%20to%20Recycle.MARCH2005.pdf>

14. TRANSPORTATION INFORMATION

TRANSPORTATION-SHIPPING: These are considered dry-cell batteries and they are non-dangerous goods for transportation. These batteries must be packed in a way to prevent short circuits or generation of a dangerous quantity of heat.

USDOT – See Special Provision 130

IMDG/Ocean – Not listed

ICAO/IATA – See Special Provision A123. It also states to put the words “not restricted” and special provision A123 on the air waybill when an air waybill is issued.

15. REGULATORY INFORMATION

SARA 313: Notification is not required because these products are article(s) that do not release a covered toxic chemical under the normal conditions of processing or use.

16. SDS INFORMATION

<u>Environmental Health & Safety Information:</u>	1-800-237-7000
<u>EDITION DATE:</u>	02-14-2013
<u>APPROVED BY:</u>	Kevin J. Domack

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