

Spectrum Brands, Inc.
 Rayovac Division
 3001 Deming Way
 Middleton, WI 53562-1431
 Phone: (608) 275-3340
 Fax: (608) 275-4577
<http://www.rayovac.com>



SAFETY DATA SHEET

The Safety Data Sheet is supplied as a service to you. For other related information, please visit:

<http://www.rayovac.com>

1. IDENTIFICATION

PRODUCT NAME: Zinc Chloride Battery
 SIZES: All sizes
 EMERGENCY HOTLINE: 800-424-9300 (24 hr, Chemtrec)
 EDITION DATE: 08/11/2014

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 #	%	TLV**/TWA
Steel	7439-89-6	8-14	Not Listed
Manganese Dioxide	1313-13-9	28-32	5.0 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	<0.02	50 ug/m ³ (TWA)
Water, paper, plastic, other	---	Balance	---

*Source: OSHA 29 CFR 1910.1000 Table Z-1, 2 or 3 11-01-2012

4. FIRST AID INFORMATION

THRESHOLD LIMIT VALUE (TLV) AND SOURCE: NA

EFFECTS OF OVEREXPOSURE: None (see section 2 and 4 for fire or rupture situations)

EMERGENCY FIRST AID PROCEDURES:

Skin and Eyes:

In the event that battery ruptures, flush exposed skin with 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, please 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 (See section 2).

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

6. ACCIDENTAL RELEASE MEASURES

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 batteries in a dry place. Storing unpackaged cells together could result in cell shorting and heat build-up. Do not recharge. Do not puncture or abuse.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

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

9. PHYSICAL AND CHEMICAL PROPERTIES

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

10. STABILITY AND REACTIVITY

STABLE OR UNSTABLE: Stable
INCOMPATIBILITY (MATERIALS TO AVOID): NA
HAZARDOUS DECOMPOSITION PRODUCTS: NA
DECOMPOSITION TEMPERATURE (0°F): NA
HAZARDOUS POLYMERIZATION: Will Not Occur
CONDITIONS TO AVOID: Avoid electrical shorting, puncturing or deforming

11. TOXICOLOGICAL INFORMATION

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Water, paper, plastic, other	---	Balance	---

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 fire. Dispose of properly when discharged. Use a recycling outlet if available. Those collecting batteries should follow state and federal regulations.

Partially discharged damaged batteries can overheat and cause fires in the presence of other combustible materials.

13. DISPOSAL CONSIDERATIONS

Always comply with Federal, state or local requirements. If you choose to retain discharged batteries and recycle be sure to store them out of the reach of children and pets. Do not store with adult medications of similar size or shape. For additional information on disposal/reclaim options, 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. This special provision 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 storage, use, or handling.

NOTICE: The information and recommendations set forth are made in good faith and are believed to be accurate at the date of preparation. Spectrum Brands Inc. (Rayovac) makes no warranty expressed or implied.

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OSHA Hazards-not applicable
Target Organs-not applicable
GHS Classification-not applicable
GHS Label Elements, including precautionary Statement-not applicable
Pictogram-not applicable
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Skin and Eyes:

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

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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 (See section 2).

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

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7. HANDLING AND STORAGE

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8. EXPOSURE CONTROL/PERSONAL PROTECTION

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

9. PHYSICAL AND CHEMICAL PROPERTIES

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

10. STABILITY AND REACTIVITY

STABLE OR UNSTABLE: Stable
INCOMPATIBILITY (MATERIALS TO AVOID): NA
HAZARDOUS DECOMPOSITION PRODUCTS: NA
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Safety Data Sheet

Prang Hygieia Chalk

"Since 1795"

A COMPANY

1. PRODUCT AND COMPANY IDENTIFICATION

Company Identification: Dixon Ticonderoga Company
615 Crescent Executive Court ste.500
Lake Mary Fl, 2746
Telephone:(800) 824-9430

Date prepared: 5/7/2003
Last revised: 10/26/2015

Product Name: Prang Hygieia Chalk

Product Code(s):
31144, 3144, 61400

2. HAZARDS IDENTIFICATION

Emergency Overview Not an acute hazard- conforms to ASTM D-4236
CAUTION!
Packaging may be subject to ignition by fire and may release toxic or other irritating gases

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-#	%Weight
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Products bearing the CL Certified Products or AP Approved Products seals of the Art and Creative Materials Institute's, Inc. are certified in a program of toxicological evaluation by a medical expert, subject to review by the Institute's Toxicological Advisory Board, to contain no materials in sufficient quantities to be toxic or injurious to humans or cause acute or chronic health problems.

Conforms to ASTM D-4236

This product is not considered to be a hazardous substance as defined under OSHA's Hazard Communication Standard (29 CFR 1910.1200)

4. FIRST AID MEASURES

Eye Contact Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for a least 15 minutes. Get medical attention immediately if irritation develops and persists.

Skin Contact Wash off immediately with soap and plenty of water. Use a mild soap if available. Rinse immediately with plenty of water for at least 15 minutes. Remove contaminated clothing. If irritation develops, get medical attention.

Inhalation If breathed in, move person into fresh air. If breathing is irregular or stopped, administer artificial respiration. Get medical attention immediately.

Ingestion If swallowed, DO NOT induce vomiting. Call a physician or Poison Control Center immediately, Never give anything by mouth to an unconscious person.

5. Fire Fighting Measures

Extinguishing Media: Carbon dioxide, dry chemical or foam recommended. Apply water to cool exposed closed containers

Special Fire Fighting Procedures: Self contained breathing apparatus (SCBA) and full protective equipment recommended

Unusual Fire and Explosion Hazards: Packaging may be subject to ignition by fire and may release toxic gases

Flammability Data: No data

Flash Point: No data

Flammability limits: No data

Auto-ignition temperature: No data

Dust cloud ignition temperature: No data

Dust layer ignition temperature: No data

HMIS Ratings	
Health	1
Flammability	0
Reactivity	0
Protective Equi	A

6. Accidental Release Measures

Small Spill: Sweep or wipe up material. Place spilled material into appropriate waste containers for disposal

Large Spill: Sweep or wipe up material. Place spilled material into appropriate waste containers for disposal

7. Handling and Storage

Handling: Contents will stain. The use of smocks and gloves to protect personal clothing is suggested. Wash hands and surface after use.

Storing: Do not store near heat or open flame

Continued on next page

8. Exposure Controls/Personal Protection

Engineering Controls: The use of local ventilation is recommended

Personal protection: No special skin protection required. Wash skin if irritation is experienced. Eye protection is recommended

9. Physical and Chemical Properties

Physical State: Solid
Appearance: Chalk Stick
Color: Various Colors
Odor: No Odor
pH: No Data
Specific gravity: No Data
Boiling point: No Data
Freezing/melting point: No Data
Evaporation rate: No Data
Solubility: No Data
Volatility: No Data

10. Stability and Reactivity

General: This product is stable and hazardous polymerization will not occur

Incompatibility: None known

Hazardous decomposition: As with all burning organic matter, carbon monoxide and other toxic fumes may be released

11. Toxicological Information

Acute/Chronic Toxicity, Carcinogenicity, Mutagenicity Products bearing the CP Certified Products or AP Approved products seals of the Art and Creative Material's Institute are certified in a program of toxicological evaluation by a medical expert, subject to review by the Institute's Toxicological Advisory Board to contain no materials in sufficient quantities to be toxic or injurious to humans or cause acute or chronic health problems. Conforms to ASTM D-4236

12. Ecological Information

This product has not been evaluated for overall environmental effects

13. Disposal Considerations

Contain and place in approved container. Dispose of per Local, State, and Federal regulations

14. Transportation Information

DOT Classification: Not Regulated (US)

UN/NA Number: Not Regulated

TDG Classification: Not Regulated (Canada)

IMO/IMDG Classification: Not Regulated

ADR/RID Classification: Not Regulated (Europe)

ICAO/IATA Classification: Not Regulated

15. Regulatory Information

OSHA Hazard Communication Status This product is not considered to be a hazardous substance under OSHA's Federal Hazard Communication Standard 29 CFR 1910.1200

Toxic Substances Control Act (TSCA) Status All ingredients of this material has been reported to the US EPA and are included in the TSCA inventory

16. Other Information

For further product safety information call: 800-824-9430

**Validated and Verified by Dixon Ticonderoga Co.
October 26,2015**

This information contained herein is based on data considered accurate. However no warranty is expressed or implied regarding the accuracy of these data or results obtained from the use thereof. Dixon Ticonderoga company assumes no responsibility for personal damage caused by the product. Users assume all risks associated with use.

