

INFORMATIONAL MATERIAL SAFETY DATA SHEET**THE BRINKMANN CORPORATION**

The information supplied conforms with 29 CFR 1910.1200

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Form updated: January 4, 1999

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Information compiled date: April 30, 2004

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SECTION 1 – PRODUCT DESCRIPTION Rechargeable Multi-cell Nickel Cadmium battery.

Caterpillar No. 4C-9449.

Brinkmann Part Number 868-003-0

SECTION 2 – PRODUCT CATEGORY "Article"

The above product is not required to have a Material Safety Data Sheet because it is an "Article". 29 CFR 1910.1200(b)(6)(v) states, Hazard communication does not apply to "Articles". Article definition per 29 CFR 1910.1200(c): "Article means a manufactured item" ... (iii) which under normal conditions of use does not release more than very small quantities, e.g., minute or trace amounts of a hazardous chemical (as determined under paragraph (d) of this section), and does not pose a physical hazard or health risk to employees." The information supplied herein is for informative purposes to improve user awareness.

SECTION 3 – HAZARDOUS INGREDIENTS**IMPORTANT NOTE:**

THE BATTERY SHOULD NOT BE OPENED OR BURNED. EXPOSURE TO THE INGREDIENTS CONTAINED WITHIN OR THEIR COMBUSTION PRODUCTS COULD BE HARMFUL.

| MATERIAL OR INGREDIENT | PEL (OSHA) | TLV (ACGIH) | %WT. |
|------------------------|-----------------------|------------------------|-------|
| CADMIUM | 5MG/M3 TWA (AS CD) | 0.01 MG/M3 TWA (AS CD) | 13-22 |
| AS CADMIUM METAL | | 0.002 MG/M3 TWA (AS CD | |
| (CAS#7440-43-9) | | RESPIRABLE FRACTION) | |
| CADMIUM OXIDE | | | |
| (CAS#1306-19-0) | | | |
| CADMIUM HYDROXIDE | | | |
| (CAS#21041-95-2) | | | |
| COBALT | 0.1 MG/M3 TWA (AS CO) | 0.02MG/M3 TWA (AS CO) | 0.5-2 |
| AS COBALT METAL | | | |
| (CAS#7440-48-4) | | | |
| COBALT OXIDE | | | |
| (CAS#1307-96-8) | | | |
| COBALT HYDROXIDE | | | |
| (CAS#21041-93-0) | | | |
| LITHIUM HYDROXIDE | NONE ESTABLISHED | NONE ESTABLISHED | 0-4 |
| (CAS#1310-65-2) | | | |
| NICKEL: | 1 MG/M3 TWA (AS Ni) | 1.5 MG/M3 TWA (AS | 20-32 |
| AS NICKEL METAL | INHALABLE Ni) | | |
| (CAS#7440-02-0) | | | |
| NICKEL OXIDE | | | |
| (CAS#1313-99-1) | | | |
| NICKEL HYDROXIDE | | 0.2 MG/M3 TWA (AS | |
| (CAS#12054-48-7) | | INHALABLE Ni, | |
| | | INSOLUBLE COMPOUNDS) | |
| POTASSIUM HYDROXIDE | NONE ESTABLISHED | 2 MG/M3 CEILING | 0-4 |
| (CAS#1310-58-3) | | | |
| SODIUM HYDROXIDE | 2 MG/M3 TWA | 2 MG/M3 CEILING | 0-4 |
| (CAS#1310-73-2) | | | |

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

IF FIRE OR EXPLOSION OCCURS WHEN BATTERIES ARE ON CHARGE, SHUT OFF POWER TO CHARGER. IN CASE OF FIRE, IT IS PERMISSIBLE TO USE ANY CLASS OF EXTINGUISHING MEDIUM ON THESE BATTERIES. COOL EXTERIOR OF BATTERIES IF EXPOSED TO FIRE TO PREVENT RUPTURE.

FIRE FIGHTERS SHOULD WEAR SELF-CONTAINED BREATHING APPARATUS. NICKEL-CADMIUM BATTERIES INVOLVED IN A FIRE CAN VENT AND PRODUCE TOXIC FUMES INCLUDING NICKEL, NICKEL OXIDES, CADMIUM, CADMIUM OXIDES, AND COBALT OXIDES.

SECTION 5 – HEALTH HAZARD DATA

UNDER NORMAL CONDITIONS OF USE, THE BATTERY IS HERMETICALLY SEALED.

INGESTION: SWALLOWING A BATTERY CAN BE HARMFUL.

CONTENTS OF AN OPEN BATTERY CAN CAUSE SERIOUS CHEMICAL BURNS OF MOUTH, ESOPHAGUS, AND GASTROINTESTINAL TRACT. CONTENTS INCLUDE TOXIC CADMIUM AND CADMIUM COMPOUNDS WHICH CAN CAUSE EXCESSIVE SALIVATION, CHOKING, NAUSEA, PERSISTENT VOMITING, DIARRHEA, ABDOMINAL PAIN, DIZZINESS, FAINTNESS, UNCONSCIOUSNESS, AND POSSIBLE LIVER AND KIDNEY INJURY.

IF BATTERY OR OPEN BATTERY IS INGESTED, DO NOT INDUCE VOMITING OR GIVE FOOD OR DRINK. SEEK MEDICAL ATTENTION IMMEDIATELY. CALL NATIONAL BATTERY INGESTION HOTLINE FOR ADVICE AND FOLLOW-UP (202-625-3333) COLLECT, DAY OR NIGHT.

INHALATION:

CONTENTS OF AN OPEN BATTERY CAN CAUSE RESPIRATORY IRRITATION. CADMIUM OXIDE FUMES CAN CAUSE METAL FUME FEVER. HYPERSENSITIVITY TO NICKEL CAN CAUSE ALLERGIC PULMONARY ASTHMA. PROVIDE FRESH AIR AND SEEK MEDICAL ATTENTION.

SKIN CONTACT:

CONTENTS OF AN OPEN BATTERY CAN CAUSE SKIN IRRITATION AND/OR CHEMICAL BURNS. COBALT, COBALT COMPOUNDS, NICKEL, AND NICKEL COMPOUNDS CAN CAUSE SKIN SENSITIZATION AND AN ALLERGIC CONTACT DERMATITIS. REMOVE CONTAMINATED CLOTHING AND WASH SKIN WITH SOAP AND WATER. IF A CHEMICAL BURN OCCURS OR IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

EYE CONTACT:

CONTENTS OF AN OPEN BATTERY CAN CAUSE SEVERE IRRITATION AND CHEMICAL BURNS.

IMMEDIATELY FLUSH EYES THOROUGHLY WITH WATER FOR AT LEAST 15 MINUTES, LIFTING UPPER AND LOWER LIDS, UNTIL NO EVIDENCE OF THE CHEMICAL REMAINS. SEEK MEDICAL ATTENTION.

NOTE:

NICKEL, NICKEL COMPOUNDS, CADMIUM, CADMIUM COMPOUNDS, COBALT, AND COBALT COMPOUNDS ARE LISTED AS POSSIBLE CARCINOGENS BY INTERNATIONAL AGENCY FOR RESEARCH ON CANCER(IARC) OR NATIONAL TOXICOLOGY PROGRAM (NTP).

SECTION 6 – PRECAUTIONS FOR SAFE HANDLING AND USE

STORAGE:

STORE IN A COOL, WELL VENTILATED AREA. ELEVATED TEMPERATURES CAN RESULT IN SHORTENED BATTERY LIFE.

MECHANICAL CONTAINMENT:

DO NOT SEAL BATTERY IN AN AIRTIGHT CONTAINER. BATTERIES NORMALLY EVOLVE HYDROGEN WHICH, WHEN COMBINED WITH AIR, CAN PRODUCE A COMBUSTIBLE OR EXPLOSIVE MIXTURE UNLESS VENTED. IF SUCH A MIXTURE IS PRESENT, SHORT CIRCUITS, HIGH TEMPERATURE, OR STATIC SPARKS CAN CAUSE AN IGNITION.

HANDLING:

ACCIDENTAL SHORT CIRCUIT FOR A FEW SECONDS WILL NOT SERIOUSLY AFFECT THE BATTERY. HOWEVER, THIS BATTERY IS CAPABLE OF DELIVERING VERY HIGH SHORT CIRCUIT CURRENTS. PROLONGED SHORT CIRCUITS WILL CAUSE HIGH CELL TEMPERATURES WHICH CAN CAUSE SKIN BURNS. SOURCES OF SHORT CIRCUITS INCLUDE JUMBLED BATTERIES IN BULK CONTAINERS, METAL JEWELRY, AND METAL COVERED TABLES.

DO NOT SOLDER OR WELD TO THE BATTERY.

DO NOT OPEN BATTERY. THE NEGATIVE ELECTRODE MATERIAL MAY BE PYROPHORIC. SHOULD AN INDIVIDUAL CELL FROM A BATTERY BECOME DISASSEMBLED, SPONTANEOUS COMBUSTION OF THE NEGATIVE ELECTRODE IS POSSIBLE. THIS IS MUCH MORE LIKELY TO HAPPEN IF THE ELECTRODE IS REMOVED FROM ITS METAL CONTAINER. THERE CAN BE A DELAY BETWEEN EXPOSURE TO AIR AND SPONTANEOUS COMBUSTION.

CHARGING:

THIS BATTERY CAN BE CHARGED MANY TIMES. BECAUSE IT GRADUALLY LOSES ITS CHARGE OVER A FEW MONTHS, IT IS GOOD PRACTICE TO CHARGE BATTERY BEFORE USE.

WARNING:

CHARGE ONLY WITH CHARGER AND HOUSING PROVIDED BY BRINKMAN. DO NOT OPEN BATTERY, DISPOSE OF IN FIRE, PUT IN BACKWARDS, MIX WITH OTHER BATTERY TYPES OR SHORT CIRCUIT - MAY EXPLODE, LEAK OR GET HOT CAUSING PERSONAL INJURY.

DISPOSAL:

DISPOSE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.

WHEN GENERATED AS A WASTE, THESE BATTERIES MAY BE REGULATED BY THE RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) AS A D006 (CADMIUM) HAZARDOUS WASTE.

NOTE:

RECYCLING OF THIS PRODUCT MAY BE AVAILABLE. CONTACT YOUR LOCAL RECYCLING OFFICE OR CALL TOLL FREE AT 1-800-8-BATTERY FOR INFORMATION ABOUT HOW AND WHERE YOU CAN RECYCLE USED NICKEL CADMIUM BATTERIES.

THE FEDERAL UNIVERSAL WASTE RULE CITED AT 40 CFR PART 273 GOVERNS NICKEL CADMIUM BATTERY RECYCLING AND MAY BE APPLICABLE IN YOUR STATE.

SECTION 7 - SPECIAL PROTECTION INFORMATION

VENTILATION REQUIREMENTS: NOT NECESSARY UNDER NORMAL CONDITIONS.

RESPIRATORY PROTECTION: NOT NECESSARY UNDER NORMAL CONDITIONS.

EYE PROTECTION: NOT NECESSARY UNDER NORMAL CONDITIONS. WEAR SAFETY GLASSES WITH SIDE SHIELDS IF HANDLING AN OPEN OR LEAKING BATTERY.

GLOVES:

NOT NECESSARY UNDER NORMAL CONDITIONS. USE NEOPRENE OR NATURAL RUBBER GLOVES IF HANDLING AN OPEN OR LEAKING BATTERY.

OPEN BATTERY STORAGE:

BATTERY SHOULD NOT BE OPENED. SHOULD A CELL BECOME DISASSEMBLED, THE ELECTRODE SHOULD BE STORED IN A FIREPROOF CABINET, AWAY FROM COMBUSTIBLES.