

GNB, INC. INDUSTRIAL BATTERY DIV. -- MSZR25-16L STORAGE BATTERY -- 6140-00-889-1027

===== Product Identification =====

Product ID:MSZR25-16L STORAGE BATTERY

MSDS Date:04/17/1991

FSC:6140

NIIN:00-889-1027

MSDS Number: BJXPH

=== Responsible Party ===

Company Name:GNB, INC. INDUSTRIAL BATTERY DIV.

Address:WOODLAKE CORPORATE PARK

City:LOMBARD

State:IL

ZIP:60148-3249

Country:US

Info Phone Num:708-629-5200

Emergency Phone Num:708-629-5200

Preparer's Name:DGSC-SSH

CA

GE:MO155

=== Contractor Identification ===

Company Name:EXIDE TECHNOLOGIES INC CO, GNB INDUSTRIAL POWER DIV

Address:829 PARKVIEW BOULEVARD

Box:City:LOMBARD

State:IL

ZIP:60148-3249

Country:US

Phone:800-872-0471/630-691-7841

CAGE:88219

Company Name:GNB, INC. INDUSTRIAL BATTERY DIV.

Address:WOODLAKE CORPORATE PARK

Box:City:LOMBARD

State:IL

ZIP:60148-3249

Country:US

Phone:708-629-5200

CAGE:MO155

===== Composition/Information on Ingredients =====

Ingred Name:SILVER (SARA III)

CAS

:7440-22-4  
RTECS #:VW3500000  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:0.01 MG/M3  
ACGIH TLV:0.1 MG/M3; 9192  
EPA Rpt Qty:1 LB  
DOT Rpt Qty:1 LB

Ingred Name:ZINC (SARA III)  
CAS:7440-66-6  
RTECS #:ZG8600000  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:10 MG ZNO/M3  
ACGIH TLV:10 MG ZNO/M3; 9192  
EPA Rpt Qty:1000 LBS  
DOT Rpt Qty:1000 LBS

Ingred Name:POTASSIUM HYDROXIDE (SARA III)  
CAS:1310-58-3  
RTECS #:TT2100000  
Other REC Limits:NONE SPECIFIED  
OSHA PEL:C, 2 MG/M3  
ACGIH TLV:C 2 MG/M3; 9192  
EPA Rpt Qty:1000  
LBS  
DOT Rpt Qty:1000 LBS

===== Hazards Identification =====

Routes of Entry: Inhalation:NO Skin:YES Ingestion:YES  
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO  
Health Hazards Acute and Chronic:BATTERY SHOULD NOT BE HAZARDOUS UNLESS  
THE ELECTROLYTE IS LEAKING FROM THE CASE. ELECTROLYTE IS CORROSIVE  
TO BODY TISSUES. IT IS TOXIC BY CORROSIVITY. AS A SOLUTION OF A  
SOLID UNLIKELY TO BE INHALED, BUT WILL ALSO ATTACK THE  
RESPIRATORY SYSTEM.

Explanation of Carcinogenicity:THE PRODUCT CONTAINS NO INGREDIENT THAT  
IS LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN.

Effects of Overexposure:ELECTROLYTE CONTACT: EYE:SEVERE  
IRRITATION,BURNING. SKIN:SLIPPERY FEELING,BURNS.  
INHALED:(UNLIKELY) RESPIRATORY IRRITATION,PULMONARY EDEMA.  
INGESTED:SEVERE IRRITATION OF G/I TRACT,BURNS,G/I DISTRESS  
,NAUSEA,VOMITING.

Medical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS  
OR WITH A PRE-EXISTING DISEASE INVOLVING T

HE EYES, SKIN, OR  
RESPIRATORY TRACT MAY BE AT INCREASED RISK FROM EXPOSURE.

===== First Aid Measures =====

First Aid:EYE:FLUSH W/WATER 15 MIN, HOLD LIDS OPEN. SKIN:WASH WITH SOAP & WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE REUSE. INHALED:REMOVE TO FRESH AIR. RESTORE BREATHING IF NECESSARY. INGESTED:DO NOT INDUCE VOMITING. GIVE 2 LARGE GLASSES OF MILK OR WATER AND GET IMMEDIATE MEDICAL CARE. GIVE NOTHING BY MOUTH IF UNCONSCIOUS. IF IRRITATION PERSISTS OR IS SEVERE,SEE A DOCTOR.

===== Fire Fighting Measures =====

Flash Point:NON-FLAMMABLE  
Extinguishing Media:PRODUCT IS NON FLAMMABLE. EXTINGUISH FIRE WITH MEDIA APPROPRIATE FOR SOURCE OF FIRE.  
Fire Fighting Procedures:FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.  
Unusual Fire/Explosion Hazard:NONE

===== Accidental Release Measures =====

Spill Release Procedures:COVER SPILL WITH SOLID NEUTRALIZER OR ABSORBER. PUT NEUTRALIZED MATERIAL IN LINED DISPOSAL CONTAINER. FLUSH RESIDUE WITH WATER.  
Neutralizing Agent:BORIC ACID, DILUTE ACETIC ACID.

===== Handling and Storage =====

Handling and Storage Precautions:STORE IN A COOL, DRY AREA. KEEP CONTAINERS TIGHTLY CLOSED WHEN NOT IN USE. PROTECT CONTAINERS FROM PHYSICAL DAMAGE.  
Other Precautions:DO NOT TAKE INTERNALLY. DO NOT BREATHE MIST. AVOID CONTACT WITH EYES AND SKIN. WASH THOROUGHLY AFTER HANDLING. FOR USE AS AN ELECTROLYTE IN BATTERIES ONLY.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:RESPIRATOR WILL NOT NORMALLY BE NECESSARY. USE NIOSH/MSHA APPROVED AIR SUPPLIED RESPIRATOR OR RESPIRATOR FOR ALKALINE MIST IF EXPOSURE IS ABOVE THE TLV/PEL. SEE 29 CFR 1910.134 FOR REGULATIONS PERTAINING TO RESPIRATORY PROTECTION.

INING TO RESPIRATOR USE.  
Ventilation:NORMAL ROOM VENTILATION IS SUFFICIENT. SUPPLEMENT WITH  
LOCAL EXHAUST IF PEL/TLV IS EXCEEDED.  
Protective Gloves:NATURAL RUBBER  
Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD  
Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.  
INDUSTRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.  
Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND  
RECOMMENDED PROCEDURES. DO NOT WEAR CONTAMINATED CLOTHING OR  
FOOTWEAR.  
Suppleme  
ntal Safety and Health  
MSDS WAS WRITTEN BY DGSC-SSH BECAUSE GNB INC. SUCCESSOR TO GOULD  
NATIONAL COULD NOT IDENTIFY THE BATTERY NUMBER. MSDS COVERS THE  
ELECTROLYTE.

===== Physical/Chemical Properties =====

HCC:B1  
pH:UNKNON  
Solubility in Water:ELECTROLYTE,COMPLETE  
Appearance and Odor:BATTERY,  
Percent Volatiles by Volume:UNKNON

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES  
ACIDS  
Stability Cond  
ition to Avoid:HEAT, OVERCHARGE  
Hazardous Decomposition Products:NONE

===== Disposal Considerations =====

Waste Disposal Methods:FOR SMALL QUANTITIES: CAUTIOUSLY ADD TO A LARGE  
STIRRED EXCESS OF WATER. ADUST THE PH TO NEUTRAL, SEPARATE OUT  
SOLIDS AND PACKAGE FOR DISPOSAL. DISPOSAL SHOULD BE MADE IN  
ACCORDANCE WITH ALL APPLICABL E FEDERAL, STATE AND LOCAL LAWS AND  
REGULATIONS.

Disclaimer (provided with this information by the compiling agencies)

:

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.