

VIZ MANUFACTURING COMPANY -- BATTERY,RADIOSONDE,WATER ACTIVATED(3500 SERIES) --
6135-01-054-2098

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

Product ID:BATTERY,RADIOSONDE,WATER ACTIVATED(3500 SERIES)

MSDS Date:03/25/1991

FSC:6135

NIIN:01-054-2098

MSDS Number: BTRQG

=== Responsible Party ===

Company Name:VIZ MANUFACTURING COMPANY

Address:335 E. PRICE ST.

City:PHILADELPHIA

State:PA

ZIP:19144

Country:2S

Info Phone Num:215-844-2626 FAX_215-844-4410

Emergency Phone Num:215-

844-2626 800-424-9300(CHEMTREC)

Preparer's Name:SARAH D.PLASHA

CAGE:41226

=== Contractor Identification ===

Company Name:VIZ MANUFACTURING COMPANY

Address:335 E. PRICE ST.

Box:City:PHILADELPHIA

State:PA

ZIP:19144

Country:2S

Phone:215-844-2626 FAX_215-844-4410

CAGE:41226

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

Ingred Name:COPPER CHLORIDE

CAS:7758-89-6

RTECS #:GL6990000

Fraction by Wt: 40-60%

Other REC Limits:NONE RECOMMENDED

Ingred Name:GRAPHITE, NATURAL

CAS:7782-4

2-5
RTECS #:MD9659600
Fraction by Wt: 30-50%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:15 MPPCF; Z-3
ACGIH TLV:2 MG/M3 RDUST; 9394

Ingred Name:SULFUR
CAS:7704-34-9
RTECS #:WS4250000
Fraction by Wt: 0-20%
Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:ORAL LD50 (RAT) IS 470MG/KG CUCL
Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO
Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO
Health Hazards Acute and Chronic:EYES:MAY CAUSE IRRITATION.SKIN:MAY
CAUSE IRRITATION OR DAMAGE TO SKIN..INGEST:MAY CAUSE GI TRACT
IRRITATION.INHAL:MAY CAUSE RESPIRATORY IRRITATION.CHRONIC:MAY
DAMAGE LIVER,KIDNEY AND BLOOD FORMING ORGANS.
Explanation of Carcinogenicity:THERE ARE NO INGREDIENTS ABOVE 0.1%
WHICH ARE IDENTIFIED AS CARCINOGENS BY NTP,IARC OR OSHA.
Effects of Overexposure:SKIN:ITCHING,VESICULAR
LESIONS.EYES:CONJUNCTIVITIS,CORNEAL
CLOUDING.INGEST:NAUSEA,VOMITING,DIARRHEA.SYSTEMIC POISONING
:BLUISH
COLOR OF GUMS AND TONGUE.INHAL:SORE THROAT,SHORTNESS OF
BREATH,COUGHING,CONGESTION,POSSIBLE SEPARATION OF NASAL
SEPTUM.CHRONIC:SEVERE CONGESTION,INFLAMMATION OF THE MUCOUS
MEMBRANES OF SEPTUM.
Medical Condition Aggravated by Exposure:PERSONS WITH PRE-EXISTING
LIVER,KIDNEY OR RESPIRATORY AILMENTS MAY BE AT INCREASED RISK FROM
EXPOSURE.

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

First Aid:SKIN:REMOVE CONTAMINATED CLOTHING;WASH WITH WATER.EYES

:FLUSH

WITH WATER FOR 15 MINUTES. INHAL: REMOVE TO FRESH AIR. GIVE OXYGEN OR ARTIFICIAL RESPIRATION IF NEEDED. INGEST: GET PROMPT QUALIFIED MEDICAL ATTENTION. IF CONSCIOUS, GIVE MILK OR WATER AND INDUCE VOMITING. RELIEVE IRRITATION BY DRINKING MILK OR 10 GMS OF CORNSTARCH OR FLOUR IN 1 LITER OF WATER.

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

Flash Point: NONE

Extinguishing Media: WATER FOG

Fire Fighting Procedures: USE A SELF-CONTAINED BREATHING APPARATUS AND

FULL PROTECTIVE EQUIPMENT. COOL FIRE EXPOSED CONTAINERS WITH WATER FOG.

Unusual Fire/Explosion Hazard: MANUFACTURER STATES NONE.

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

Spill Release Procedures: USE PROPER PROTECTIVE EQUIPMENT. SWEEP OR SHOVEL MATERIAL INTO A PROPER CONTAINER FOR DISPOSAL. DO NOT DISCHARGE INTO WATERWAYS.

Neutralizing Agent: NONE

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

Handling and Storage Precautions: STOR

E IN A COOL, DRY, WELL-VENTILATED

PLACE. KEEP AWAY FROM WATER AND INCOMPATIBLE MATERIALS.

Other Precautions: FOLLOW LABEL DIRECTIONS.

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

Respiratory Protection: WHERE ENVIRONMENTAL CONTROLS ARE LACKING OR IN ENCLOSED SPACES USE A NIOSH/MSHA APPROVED RESPIRATOR FOR DUST/MISTS.

Ventilation: LOCAL VENTILATION AT THE WORKSITE; MECHANICAL (GENERAL) VENTILATION TO MAINTAIN TLV/PEL.

Protective Gloves: PROTECTIVE GLOVES (IMPERVIOUS).

Eye Protection: DUST RESISTANT GOGGLES.

Other Protective Equipment: PROTECTIVE CLOTHING, AS NEEDED. PROVIDE A LOCAL EYE WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices: USE REASONABLE CARE IN HANDLING THIS PRODUCT. WASH HANDS AFTER USE AND BEFORE EATING.

Supplemental Safety and Health

NOTE TO PHYSICIAN: GIVE CALCIUM DISODIUM EDETATE, 15-25 MG/KG IN 250-500 ML OF 5% DEXTROSE, INTRAVENOUSLY, 1-2 HOURS/TWICE/DAY FOR 5 DAYS PERIODS WITH 2 DAYS REST BETWEEN PERIODS, UNTIL URINALYSIS IS N

ORMAL.

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

Boiling Pt:B.P. Text:>831F,>444C

Vapor Pres:1.3

Spec Gravity:4.1

Solubility in Water:SLIGHT

Appearance and Odor:BATTERY,GRAY.ODOR NOT REPORTED.

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZING AGENTS,POTASSIUM.

Stability Condition to Avoid:HIGH HEAT,SOURCES OF IGNITION,OPEN FLAMES.

Hazardous Decomposition Products:HYDROGEN CHLORIDE.

=====

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH FEDERAL,STATE AND
LOCAL 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 thi

s

document should seek competent professional advice to verify and
assume responsibility for the suitability of this information to their
particular situation.