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BLUESTAR BATTERY SYSTEMS CORPORATION -- LITHIUM SULFUR DIOXIDE BATTERY, BA-5567/U

-- 6135-01-090-5365

Product ID:LITHIUM SULFUR DIOXIDE BATTERY, BA-5567/U

MSDS Date:09/15/1998

FSC:6135

NIIN:01-090-5365

MSDS Number: CKFWF === Responsible Party ===

Company Name: BLUESTAR BATTERY SYSTEMS CORPORATION

Address:13136 82A AVENUE City:SURREY, V3W 9Y6

State:BC Country:CA

Info Phone Num:604-543-4350

Emergency Phone Num:604-543-4350 Preparer's Name:MAURICE BRULE

CAGE:0E1R2

=== Contractor Identification ===

Company Name: BLUESTAR BATTERY SYSTEMS CORP

Address:13136 82A AVE

Box:City:SURREY

State:BC Country:CA

Phone:604-543-4350

CAGE:MO893

Company Name: EAGLE-PICHER ENERGY PRODUCTS CORP

Address:13136 82A AVENUE Box:City:SURREY, V3W 9Y6

State:BC Country:US

Phone:604-543-4350

CAGE:0E1R2

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

Ingred Name:LI

THIUM METAL CAS:7439-93-2 RTECS #:OJ5540000 = Wt:1.9

Ingred Name:SULFUR DIOXIDE

CAS:7446-09-5

RTECS #:WS4550000

= Wt:18.

OSHA PEL:13 MG/M3;5 PPM ACGIH TLV:5.2 MG/M3;2 PPM ACGIH STEL:13 MG/M3;5 PPM

Ingred Name: ACETONITRILE

CAS:75-05-8

RTECS #:AL7700000

= Wt:6.4

OSHA PEL:70 MG/M3;40 PPM ACGIH TLV:67 MG/M3;40 PPM ACGIH STEL:101 MG/M3;60 PPM

EPA Rpt Qty:5000 LBS DOT Rpt Qty:5000 LBS

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

LD50 LC50 Mixture: ACETONITRILE, ORAL LD50 (RA

T) = 3.8 G/K

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO

Health Hazards Acute and Chronic:ACUTE: EYE CONTACT: SULPHUR DIOXIDE:

IRRITANT. SKIN CONTACT: SULPHUR DIOXIDE: IRRITANT. INHALATION:

SULPHUR DIOXIDE: 10-20, PPM IRRITATON; 100 PPM, DANGEROUS; 400 PPM,

LIFE THREATENING.

Effects of Overexposure:SULPHUR DIOXIDE IS A SEVERE PULMONARY IRRITANT AND PRIMARY SKIN IRRITANT. ACUTE EXPOSURE CAUSES STRONG EYE, NOSE, AND THROAT IRRITATION, RHINORRHEA, CHOKING, COUGHING,

AND

BRONCHOCONSTRICTION. THE ODO R AND TASTE THRESHOLDS ARE EQUAL TO OR LESS THAN THE PERMISSABLE EXPOSURE LIMIT, AND NOSE AND THROAT IRRITATION OCCUR WITHIN THREE TIMES THE PERMISSABLE EXPOSURE LIMIT. Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

First Aid:EYE CONTACT: FLUSH WITH WATER A MINIMUM OF 20 MINUTES. SKIN CONTACT: WASH WITH WATER AMINIMUM OF 20 MINUTES. INHALATION: REMOVE T

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Extinguishing Media:FOR BURNING BATTERIES USE CLASS D EXTINGUISHERS; LITH-X (PREFERRED), POWDERED GRAPHITE; MET-L-X. USE WATER SPRAY OR CO2 TO LOWER TEMPERATURE AND EXTINGUISH FIRES IN PACKING MATERIAL. Fire Fighting Procedures:USE SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING.
Unusual Fire/Explosion Hazard:NONE SPECIFIED BY MANUFACTURER.
Accidental Release Measures ===========
Spill Release Procedures:SMALL SPILL: SULPHUR DIOXIDE LESS THAN OR EQUAL TO 100 PPM USE FULL FACE CHEMICAL CARTRIDGE RESPIRATOR. LARGE SPILL: SULPHUR DIOXIDE GREATER THAN OR EQUAL TO 100 PMM USE SELF-CONTAINED BREATHING APPA RATUS WITH FULL FACE-MASK.
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Handling and Storage Precautions:STORE IN WELL VENTILATED AREAS EQUIPPED WITH SPRINKLER SYSTEMS, AWAY FROM FLAM MABLES.
Other Precautions:NONE
====== Exposure Controls/Personal Protection =======
Respiratory Protection: FULL FACE CHEMICAL CARTRIDGE ABOVE 20 PPM, FOR SULPHUR DIOXIDE OR FIRE.
Protective Gloves:NONE SPECIFIED BY MANUFACTURER. Eye Protection:PERSONAL PROTECTION EQUIPMENT NEEDED FOR BATTERIES, FOR SULPHUR DIOXIDE, FIRE.
Other Protective Equipment:SKIN PROTECTION: PERSONAL PROTECTIVE EQUIPMENT NEEDED FOR BATTERIES, FOR SULPHUR DIOXIDE OR FIRE.
Work Hygienic Practice s:NONE SPECIFIED BY MANUFACTURER. Supplemental Safety and Health
========= Physical/Chemical Properties ==========
HCC:Z6 Appearance and Odor:BATTERY 1-INCH OD X 0.72 INCH HIGH. WT = 0.09 LBS.
======== Stability and Reactivity Data =========
Stability Indicator/Materials to Avoid:YES LITHIUM REACTS WITH WATER TO FORM HYDROGEN. MOIST SULFUR DIOXIDE IS CORROSIVE.

O VENTILATED AREA. CONSULT PHYSICIAN.

Stability Condition to Avoid:TEMPERATURES ABOVE 70C, SUBMERSION IN CONDUCTIVE SOLUTION

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

Waste Disposal Methods: ACCORDING TO LOCAL REGULATIONS.

======== MSDS Transport Information ==========

Transport Information: NON-REGULATED, 49 CFR 173.185

. PROPER SHIPPING

NAME: LITHIUM BATTERY. DOT CLASS: N/A. DOT IDENTIFICATION NUMBER: N/A. DOT PACKAGING GROUP: N/A. DOT LABELING: N/A.

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