View NSN Online: https://aerobasegroup.com/nsn/6140-01-134-5413

DOUGLAS BATTERY MFG CO -- LEAD/ACID STORAGE BATTERY -- 6140-01-134-5413

Product ID:LEAD/ACID STORAGE BATTERY

MSDS Date:05/01/2000

FSC:6140

NIIN:01-134-5413

Status Code:A

MSDS Number: CKWTG === Responsible Party ===

Company Name: DOUGLAS BATTERY MFG CO

Address:500 BATTERY DR

Box:12159

City:WINSTON-SALEM

State:NC

ZIP:27117-2159

Country:US

Info Phone Num:800-368-452

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Emergency Phone Num:(336)650-7245/7257

Chemtrec Ind/Phone:(800)424-9300

CAGE:63432

=== Contractor Identification ===

Company Name: BATTERY OUTLET OF HAMPTON INC

Address: 2815 GEORGE WASHINGTON HWY

Box:City:TABB

State:VA ZIP:23602

Country:US

Phone:804-867-8280

Contract Num:SP0413-01-M-0417

CAGE:0FTM0

Company Name: DOUGLAS BATTERY MFG CO

Address:500 BATTERY DR

Box:12159

City:WINSTON-SALEM

State:NC ZIP:27107 Country:US

Phone:800-368-4527

CAGE:63432

====== Composition/Information on Ingredie

Ingred Name:LEAD/LEAD OXIDE/LEAD SULFATE

CAS:7439-92-1

RTECS #:OF7525000

= Wt:60.

ACGIH TLV:0.15 MG/M3

EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB

Ingred Name: ANTIMONY

CAS:7440-36-0

RTECS #:CC4025000

Minumum % Wt:.5

Maxumum % Wt:2.5

OSHA PEL:0.5 MG/M3

ACGIH TLV:0.5 MG/M3

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name: ARSENIC

CAS:7440-38-2

RTECS #:CG0525000

< Wt:.1

ACGIH TLV:0.01 MG/M3

EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB

Ingred Name: SULFURIC ACID (BATTERY ELECTROLYTE)

CAS:766 4-93-9

RTECS #:WS5600000

Minumum % Wt:10.

Maxumum % Wt:38.

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3

ACGIH STEL:3 MG/M3

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:CALCIUM

CAS:7440-70-2

RTECS #:EV8040000

< Wt:.15

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO

Health Hazards Acute and Chronic: CHRONIC: ACID CAN CAUSE IRRITATION OF

EYES, NOSE, THROAT. BR

EATHING MIST PRODUCES RESPIRATORY DIFFICULTY,

CONTACT WITH SKIN AND EYS CAUSES IRRITATION AND SKIN BURN. ACUTE: REPEATED CONTACT WITH SULFUR IC ACID BATTERY ELECTROLYTE FLUID MAY CAUSE DRYING OF THE SKIN WHICH MAY RESULT IN IRRITATION AND DERMATITIS. PROLONGED INHALATION OF A MIST OF SULFURIC ACID CAN CAUSE INFLAMMATION OF THE UPPER RESPIR ATORY TRACT LEADING TO CHRONIC BRONCHITIS. SHORT TERM LIQUID OR VAPOR CONTACT MAY RESULT IN EYE IRRITATION AND ACID BURNS. PROLONG

ED CONTACT TO STRONG ACID

FUMES MAY RESULT IN EROSION OF TOOTH ENAMEL.

Explanation of Carcinogenicity:THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) HAS CLASSIFIED "STRONG INORGANIC ACID MIST CONTAINING SULFURIC ACID" AS A CATEGORY 1 CARCINOGEN, A SUBSTANCE THAT IS CARCINOGENIC TO HUMANS. THIS CLASSIFICATION DOES NOT APPLY TO LIQUID FORMS OF SULFURIC ACID OR SULFURIC ACID SOLUTIONS CONTAINED WITHIN A BATTERY.

Effects of Overexposure: CHRONIC: ACID CAN CAUSE IRRITATION OF EYES,

NOSE, THROAT. BREATHING MIST PRODUCES RESPIRATORY DIFFICULTY, CONTACT WITH SKIN AND EYS CAUSES IRRITATION AND SKIN BURN. ACUTE: REPEATED CONTACT WITH SULFUR IC ACID BATTERY ELECTROLYTE FLUID MAY CAUSE DRYING OF THE SKIN WHICH MAY RESULT IN IRRITATION AND DERMATITIS. PROLONGED INHALATION OF A MIST OF SULFURIC ACID CAN CAUSE INFLAMMATION OF THE UPPER RESPIR ATORY TRACT LEADING TO CHRONIC BRONCHITIS. SHORT TERM LIQUID OR VAPOR CONTACT MAY RESULT IN EYE

IRRITATION AND ACID BURNS. PROLONGED CONTACT TO STRONG ACID FUMES MAY RESULT IN EROSION OF TOOTH ENAMEL.

Medical Cond Aggravated by Exposure:SULFURIC ACID MIST MAY IRRITATE BRONCHIAL SYSTEM, EYES AND SKIN.

 First Aid Measures	
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First Aid:SULFURIC ACID-INHALATION: MOVE TO VENTILATED AREA. OBTAIN MEDICAL ATTENTION. EYES: WASH THE EYES WITH COPIOUS QUANTITIES OF RUNNING WATER FOR 15 MINUTES. OBTAIN MEDICAL ATTENTION. SKIN: FLUSH A

REA WIT H LARGE AMOUNTS OF RUNNING WATER. REMOVE CONTAMINATED CLOTHING AND OBTAIN MEDICAL ATTENTION. INGESTION: WASH OUT MOUTH WITH RUNNING WATER. DO NOT INDUCE VOMITING, CALL PHYSICIAN.

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

Autoignition Temp:=357.2C, 675.F Autoignition Temp Text:POLYPR Lower Limits:4.1% Upper Limits:74.2%

Extinguishing Media: HALON, DRY CHEMICAL.

Fire Fighting Procedures:LEAD/ACID BATTERIES DON'T BURN, OR BURN WITH DIFFICULTY. EXTINGU

TO PREVENT RUPTURE. THE ACID MIST AND VAPORS GENERATED BY HEAT	S	SH FIRE WITH AGENT SUITABLE FOR SURROUNDING
FIRE ARE CORROSIVE. WEAR RESPIRATORY PROTECTION (SCBA) & PROTECT		COMBUSTIBLE MATERIALS. COOL EXTERIOR OF BATTERY IF EXPOSED TO FIRE
		TO PREVENT RUPTURE. THE ACID MIST AND VAPORS GENERATED BY HEAT OR
CLOTHING.		FIRE ARE CORROSIVE. WEAR RESPIRATORY PROTECTION (SCBA) & PROTECTIVE
		CLOTHING.

Unusual Fire/Explosion Hazard:HYDROGEN GAS & SULFURIC ACID VAPORS ARE GENERATED UPON OVERCHARGING. HYDROGEN GAS MAY BE FLAMMABLE OR EXPLOSIVE WHEN MIXED WITH AIR, OXYGEN, OR CHLORINE. ENSURE ADEQUATE VENTILATION OF

CHARGING AREAS CONSISTENT WITH OSHA (29 CFR 1910 &1926), NATIONAL FIRE CODE, ACGIH AND OTHER RELEVANT STANDARDS.

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

Spill Release Procedures:WEAR PROTECTIVE CLOTHING. VENTILATE ENCLOSED AREAS. DIKE TO CONTAIN CONTAMINATED MATERIALS & LIQUIDS. LIMIT SITE ACCESS TO QUALIFIED EMERGENCY RESPONDERS. NEUTRALIZE ACID SPILLS WITH SODIUM BICARBONAT E (SODA ASH), CALCIUM CARBONATE, AGRICULTURAL LIME OR EQUIVALENT COMME

RCIAL PRODUCT. COLLECT ALL

MATERIAL FOR PROPER DISPOSAL.

Neutralizing Agent:SODIUM BICARBONATE (SODA ASH), CALCIUM CARBONATE, AGRICULTURAL LIME OR EQUIVALENT COMMERCIAL PRODUCT.

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

Handling and Storage Precautions:STORE BATTERIES IN COOL, DRY,
WELL-VENTILATED AREA. DO NOT SHORT CIRCUIT BATTERY TERMINALS OR
REMOVE VENT CAP DURING STORAGE OR CHARGING. AVOID ROUGH HANDLING
WHICH COULD RESULT IN SPILLS OR LEAKS. D

O NOT SMOKE OR USE OPEN

FLAMES IN CHARGING AREAS. WASH THOROUGHLY AFTER HANDLING PRODUCT.

Other Precautions:AVOID PROLONGED OVERCHARGING OR COMBUSTION WHICH COULD LIBERATE HAZARDOUS GASES AND LIQUIDS INCLUDING HYDROGEN, SULFURIC ACID, SULFURIC ACID MIST, SULFUR DIOXIDE, SULFUR TRIOXIDE, ARSINE OR STIBINE GA S. MATERIAL SHOULD BE KEPT ON SITE FOR SPILL NEUTRALIZATION AND CONTAINMENT.

	Exposure	Controls/P	ersonaı ı	Protection	
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Respiratory Protection:

SULFURIC ACID MIST-FULL FACE OR HALF MASK RESPIRATOR WITH ACID MIST FILTER OR SCBA.

Ventilation: CHANGE AIR EVERY 15 MIN. LOCAL EXHAUST: NO.

MECHANICAL(GENERAL): NO INFORMATION FOUND.

Protective Gloves: ACID RESISTANT RUBBER OR PLASTIC.

Eye Protection:SPLASH RESISTANT GOGGLES OR SAFETY GLASSES WITH FACE SHIELD.

Other Protective Equipment: ACID RESISTANT RUBBER OR PLASTIC APRON, BOOTS AND PROTECTIVE CLOTHING.

Supplemental Safety and Health

======= Physical/Chemical Prope

rties =========

HCC:C1

Boiling Pt:=135.C, 275.F B.P. Text:ELECTROLYTE Melt/Freeze Pt:>160.C, 320.F M.P/F.P Text:POLYPROPYLENE

Vapor Pres:ELECTROLYTE-1MMHG@145.8F

Vapor Density: 0.069 HYDR

Spec Gravity:ELECTROLYTE-1.080-1.400

pH:ELECTROLYTE