

TROJAN BATTERY CO -- L-16, LEAD/ACID STORAGE BATTERY -- 6140-01-195-6189

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Product Identification
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Product ID:L-16, LEAD/ACID STORAGE BATTERY

MSDS Date:05/28/1995

FSC:6140

NIIN:01-195-6189

Status Code:A

MSDS Number: CLQCY

=== Responsible Party ===

Company Name:TROJAN BATTERY CO

Address:12380 CLARK ST

City:SANTA FE SPRINGS

State:CA

ZIP:90670

Country:US

Info Phone Num:313-946 8381;714-521-8215

Emergency Phone Num:562-946-8381 NEW AC

Preparer's Name:JOHN J. BRYSON

Chemtec Ind/Phone:(800)424-9300

CAGE:94598

=== Contractor Identification ===

Company Name:BATTERY OUTLET INC

Address:1608 CAMPOSTELLA RD

Box:City:CHESAPEAKE

State:VA

ZIP:23324

Country:US

Phone:757-545-4442

Contract Num:SP0411-02-M-E328

CAGE:0FGN2

Company Name:TROJAN BATTERY CO

Address:12380 CLARK ST

Box:City:SANTA FE SPRINGS

State:CA

ZIP:90670

Country:US

Phone:562-946 8381 / 800-423-6569

CAGE:94598

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Compo

sition/Information on Ingredients =====

Ingred Name:LEAD (SARA III) (LEAD, LEAD OXIDE, LEAD SULFATE)

CAS:7439-92-1

RTECS #:OF7525000

Minumum % Wt:60.

Maxumum % Wt:97.

OSHA PEL:0.05 MG/M3

ACGIH TLV:0.15 MG/M3;DUST

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:ANTIMONY (SARA III)

CAS:7440-36-0

RTECS #:CC4025000

Minumum % Wt:1.5

Maxumum % Wt:6.

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 (SARA III)

CAS:7440-38-2

RTECS #:CG052500

0

< Wt:1.

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.01 MG/M3

ACGIH TLV:0.2 MG/M3

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:SULFURIC ACID (BATTERY ELECTROLYTE) (SARA III)

CAS:7664-93-9

RTECS #:WS5600000

Minumum % Wt:10.

Maxumum % Wt:38.

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:CALCIUM

CAS:7440-70-2

RTECS #:EV8040000

< Wt:.15

Ingred Name:TIN

CAS:7440-31-5

RTECS #:XP7320000

< Wt:.3

Other REC Limits:

NONE RECOMMENDED
OSHA PEL:2 MG/M3

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

LD50 LC50 Mixture:NONE SPECIFIED BY MANUFACTURER.

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:ACUTE: ACID CAN CAUSE IRRITATION OF EYES, NOSE, THROAT. BREATHING MISTS PRODUCES RESPIRATORY DIFFICULTY, CONTACT WITH SKIN AND EYES CAUSES IRRITATION AND SKIN BURN. CHRONIC: REPEATED CO

NTACT WITH SULF URIC ACID MAY CAUSE

DRYING OF SKIN RESULTING IN IRRITATION, DERMATITIS. PROLONGED INHALATION OF SULFURIC MIST CAN CAUSE UPPER RESPIRATORY TRACTINFLAMMATION LEADING TO CHRONIC BRONCHITIS. SHORT TERM LI QUID OR VAPOR CONTACT MAY RESULT IN EYE IRRITATION AND ACID BURNS. PROLONGED CONTACT TO STRONG ACID FUMES MAY RESULT IN EROSION OF THE TEETH ENAMEL. LEAD EXPOSURE MAY CAUSE LASSITUDE, CONSTIPATION, AN EMIA, (CONTD. SEE "TOXICOLOGICAL")

Effects of Overexpo

sure:ACID CAN CAUSE IRRITATION OFSKIN, EYES, NOSE, THROAT, DRYING OF SKIN, DERMATITIS. BREATHING MIST PRODUCES RESPIRATORY DIFFICULTY, INFLAMATION OF UPPER RESPIRATORY TRACT, CHRONIC BRONCHITIS, EROSION OF THE TEETH ENAMEL. CONTACT WITH SKIN AND EYES CAUSES IRRITATION AND SKIN BURNS.

Medical Cond Aggravated by Exposure:SULFURIC ACID MIST CAUSES COUGHING AND WILL BURN EYES AND SKIN.

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

First Aid:INHALATION: M

OVE TO FRESH AIR.. GET MEDICAL HELP. EYES: WASH WITH COPIOUS AMOUNTS OF RUNNING WATER FOR AT LEAST 15 MINUTES. GET MEDICAL HELP. SKIN: FLUSH CONTACTED AREA WITH LARGE AMOUNTS OF WATER. RE MOVE CONTAMINATED CLOTHING AND GET MEDIACAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING. WASH OUT MOUTH WITH RUNNING WATER. GIVE MILK OR WATER TO DRINK.CALL PHYSICIAN.

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

Flash Point:NONFLAMMABLE

Autoignition Temp:=357.2C,

675.F

Lower Limits:4.1%

Upper Limits:74.2%

Extinguishing Media:HALON, DRY CHEMICAL

Fire Fighting Procedures:LEAD/ACID BATTERIES DO NOT BURN, OR BURN WITH DIFFICULTY. EXTINGUISH FIRE WITH AGENT SUITABLE FOR SURROUNDING COMBUSTIBLE MATERIALS. COOL EXTERIOR OF BATTERY IF EXPOSED TO FIRE TO PREVENT RUPTURE.

Unusual Fire/Explosion Hazard:HYDROGEN GAS MAY BE FLAMMABLE OR EXPLOSIVE WHEN MIXED WITH AIR, OXYGEN CHLORINE. HYDROGEN GAS AND SULFURIC ACID VAPORS ARE GENERATED UPON OVERCHARGE. VENTILATE

CHARGING AREAS AS PER ACGIH INDUSTRIAL VENTILATION A MANUAL OF RECOMMENDED PRACTICE AND NATIONAL FIRE CODE.

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

Spill Release Procedures:WEAR PROTECTIVE CLOTHING. VENTILATE ENCLOSED AREAS. DIKE TO CONTAIN CONTAMINATED MATERIALS AND LIQUIDS. LIMIT SITE ACCESS TO EMERGENCY RESPONDERS. NEUTRALIZE WITH SODIUM BICARBONATE, SODA ASH, LIME AND OTHER NEUTRALIZING AGENT.

Neutralizing Agent:SODIUM BICARBONATE, SODA ASH, LIME

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

Handling and Storage Precautions:KEEP AWAY FROM FLAMES DURING AND IMMEDIATELY AFTER CHARGING. DO NOT SHORT CIRCUIT BATTERY TERMINALS OR REMOVE VENT CAPS DURING STORAGE OR RECHARGING. STORE BATTERIES IN COOL, DRY, WELL VENTILATED AREA . SODA BICARBONATE, SODA ASH, SAND OR LIME SHOULD BE KEPT ON-SITE FOR SPILL REMEDIATION.

Other Precautions:KEEP AWAY FROM FLAMES DURING AND IMMEDIATELY AFTER CHARGING. COMBUSTION OR OVERCHARGING MAY CREATE OR LIBERATE TOXIC AND HAZARDOUS GASES AND LIQUIDS. AVOID PROLONGED OVERCHARGE.

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

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

Ventilation:CHANGE AIR EVERY 15 MINUTES.

Protective Gloves:ACID RESISTANT RUBBER OR PLASTIC GLOVES.

Eye Protection:GOGGLES OR FACE SHIELD

Other Protective Equipment:ACID RESISTANT RUBBER

ER OR PLASTIC APRON,
BOOTS AND PROTECTIVE CLOTHING.
Supplemental Safety and Health
NONE SPECIFIED BY MANUFACTURER.

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

HCC:C1
Boiling Pt.=112.8C, 235.F
B.P. Text:ELECTROLYTE
Melt/Freeze Pt: