

TROJAN BATTERY CO -- AUTOMOTIVE,COMMERCIAL AND INDUSTRIAL LEAD A -- 6140-01-133-3652

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Product Identification
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Product ID:AUTOMOTIVE,COMMERCIAL AND INDUSTRIAL LEAD A

MSDS Date:05/01/1990

FSC:6140

NIIN:01-133-3652

MSDS Number: BLXJP

=== Responsible Party ===

Company Name:TROJAN BATTERY CO

Address:12380 CLARK ST

City:SANTA FE SPRINGS

State:CA

ZIP:90670-3804

Country:US

Info Phone Num:714-52

1-8215/FAX 213-941-0038

Emergency Phone Num:213-946-8381/800-424-9300(CHEMTREC)

CAGE:94598

=== Contractor Identification ===

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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Composition/Information on Ingredients
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Ingred Name:SULFURIC ACID (SARA III); 30 - 38 % CONCENTRATION

CAS:7664-93-9

RTECS #:WS5600000

Other REC Limits:NONE SPECIFIED

OSHA PEL:1 MG/M3

ACGIH

TLV:1 MG/M3; 9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

Ingred Name:LEAD (SARA III)

CAS:7439-92-1

RTECS #:OF7525000

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.05 MG/M3;1910.1025

ACGIH TLV:0.15 MG/M3;DUST 9192

EPA Rpt Qty:1 LB

DOT Rpt Qty:1 LB

Ingred Name:ANTIMONY (SARA III)

CAS:7440-36-0

RTECS #:CC4025000

Other REC Limits:NONE SPECIFIED

OSHA PEL:0.5 MG/M3

ACGIH TLV:0.5 MG SB/M3; 9192

EPA Rpt Qty:5000 LBS

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Other REC Limits:NONE SPECIFIED
OSHA PEL:0.5 MG/M3 (AS)
ACGIH TLV:0.01,A1 MG/M3; 9394
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:TIN
CAS:7440-31-5
RTECS #:XP7320000
Other REC Limits:NONE SPECIFIED
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3; 9192

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO
Health Hazards Acute and Chronic:ACUTE-CONTACT WITH ACID CAUSES SEVERE

BURNS TO ALL TISSUE.INGESTION MAY BE FATAL;CAUSES SEVERE BURNS &
ULCERATION.INHALATION CAUSES SEVERE RESPIRATORY IRRITATION.LEAD
ALLOY DUST MAY CAUSE WEIGHT LOSS,
LASSITUDE,CONSTIPATION,ANEMIA,VOMITING,PARALYSIS & CNS
DEPRESSION.CHRONIC-SKIN ULCERATION & DERMATITIS.

Explanation of Carcinogenicity:CONTAINS LEAD AND ARSENIC

Effects of Overexposure:CONTACT WITH ACID CAUSES SEVERE BURNS TO ALL
TISSUE. INGESTION CAUSES SEVERE BURNS & ULCERATION. INHALATION
CAUSES SEVERE R

ESPIRATORY IRRITATION. LEAD ALLOY DUST MAY CAUSE
WEIGHT LOSS, LASSITUDE, CONS TIPATION, ANEMIA, VOMITING, PARALYSIS
&CNS DEPRESSION.

Medical Cond Aggravated by Exposure:PRE-EXISTING SKIN DISORDERS MAY BE
MORE SUSCEPTIBLE TO THIS MATERIAL.

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

First Aid:GET IMMEDIATE MEDICAL ATTENTION IN ALL
CASES.EYES/SKIN:IMMEDIATELY FLUSH WITH WATER FOR AT LEAST 15
MINUTES.HOLD EYELIDS OPEN & REMOVE CONTACT LENSES.INHALED:RE

MOVE TO

FRESH AIR.INGESTION:DO NOT INDUCE VOMITING.DRINK AS MUCH MILK/WATER AS POSSIBLE WITHOUT VOMITING.

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

Flash Point:NON FLAMMABLE

Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY CHEMICAL. DO NOT SPRAY WATER OVER ACIDS.

Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.

Unusual

Fire/Explosion Hazard:COMBUSTION OR HEAT OF FIRE MAY PRODUCE HAZARDOUS DECOMPOSITION PRODUCTS AND VAPORS.

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

Spill Release Procedures:AVOID CONTACT WITH SULFURIC ACID ELECTROLYTE FROM BATTERY. LIME OR SODA ASH MAY BE USED TO NEUTRALIZE AND/OR FLUSH WITH LARGE VOLUME OF WATER.

Neutralizing Agent:SODA ASH (SODIUM CARBONATE) OR QUICKLIME (CALCIUM OXIDE).

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

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Handling and Storage Precautions:STORAGE-STORE BATTERIES IN COOL,VENTILATED PLACE AWAY FROM FLAMES,WATER & STRONG BASES.

Other Precautions:AVOID SKIN CONTACT. WHEN CHARGING BATTERIES, AVOID PLACING IN AREAS WHERE HYDROGEN GAS CAN BUILD UP. KEEP BATTERIES AWAY FROM CHILDREN. DO NOT GET IN EYES. DO NOT BREATHE VAPORS OR MISTS.

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

Respiratory Protection:USE NIOSH-APPROVED RESPIRATOR FOR ACIDS IF 1 MG/M3

TWA IS EXCEEDED (ACID).

Ventilation:GENERAL (MECHANICAL) VENTILATION. LOCAL EXHAUST IN CHARGING STATIONS

Protective Gloves:RUBBER

Eye Protection:SPLASH-PROOF SAFETY GOGGLES

Other Protective Equipment:USE RUBBER BOOTS AND ACID-PROOF CLOTHING FOR MAJOR SPILLS.EYES WASH STATION AND SAFETY SHOWER.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.

Supplemental Safety and Health

FORMULA CHANGED. FOR PREVIOUS FORMULATION, SEE P/N A UNDER THE SAME NSN.

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

Physical Properties =====

HCC:C1

Boiling Pt:B.P. Text:230F,110C

Spec Gravity:1.240 - 1.280

pH:< 1

Solubility in Water:COMPLETE (SULFURIC)

Appearance and Odor:COLORLESS, ODORLESS LIQUID

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

Stability Indicator/Materials to Avoid:YES

STRONG BASES, WATER, ALKALI METALS

Stability Condition to Avoid:HIGH HEAT, OPEN FLAMES

Hazardous Decomposition Products:ACID MISTS, VAPORS, OXIDES OF SULFUR,
LEAD, ANTIMONY, TIN AND ARSENIC

NIC MAY BE FORMED.

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

Waste Disposal Methods:NEUTRALIZE WITH SOLUTION OF BAKING SODA IN
WATER. DO NOT INCINERATE. DISPOSE WITH AUTOMOTIVE BATTERY SCRAP
(CONTAINING LEAD) IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL
ENVIRONMENTAL REGULATIONS.

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