

TROJAN BATTERY CO -- AUTOMOTIVE, COMMERCIAL AND INDUSTRIAL LEAD -- 6140-01-044-2605
===== Product Identification =====

Product ID:AUTOMOTIVE, COMMERCIAL AND INDUSTRIAL LEAD

MSDS Date:03/21/1991

FSC:6140

NIIN:01-044-2605

MSDS Number: BGHHV

=== 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:213-946-8

381

Emergency Phone Num:213-946-8381

CAGE:94598

=== Contractor Identification ===

Company Name:CHICAGO INDUSTRIAL TRADING CO

Address:1901 LANDMEIER RD

Box:City:ELK GROVE VILLAGE

State:IL

ZIP:60007

Country:US

Phone:708-981-0090

CAGE:0K4U5

Company Name:PROTRONICS CORP

Address:2411 11TH AVE S

Box:City:GREAT FALLS

State:MT

ZIP:59405

Country:US

Phone:888-452-9589/FAX: 406-452-0089

CAGE:06DN1

Company Name:STANDARD BATTERIES OF BILLINGS INC.

Address:3823 MONTANA AVE

Box:City:BILLINGS

State:MT

ZIP:59101

Country:US
Phone:406-248-7857
CAGE:1E276
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

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

Ingred Name:SULFURIC ACID (SARA III)
CAS:7664-93-9
RTECS #:WS5600000
Fraction by Wt: 30-38%
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:TIN
CAS:7440
-31-5
RTECS #:XP7320000
Fraction by Wt: 0.3%
Other REC Limits:NONE SPECIFIED
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3; 9192

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:YES
Health Hazards Acute and Chronic:ACUTE:INHALATION OF ACID VAPORS MAY
CAUSE SEVERE IRRITATION OR BURNS OF THE RESPIRATORY SYSTEM,
PULMONARY EDEMA, OR LUNG INFLAMMATION. MAY CAUSE SEVERE BUR

NS TO
SKIN OR EYES. INGESTION MAY CAUSE SEVER E BURNS TO MOUTH, THROAT,
AND STOMACH. MAY AFFECT KIDNEY FUNCTION. CHRONIC:MAY DAMAGE
LUNGS,TEETH EROSION.
Explanation of Carcinogenicity:ARSENIC IS LISTED BY IARC, NTP, & OSHA
AS A CARCINOGEN.
Effects of Overexposure:ACID:SEVERE IRRITATION OR BURNS TO EYES, NOSE
AND THROAT. PULMONARY EDEMA, BRONICAL EMPHYSEMA, CONJUNCTIVITIS,
STOMATITIS, DENTAL EROSION, NAUSEA AND VOMITING. LEAD:STOMACH
CRAMPS, ANEMIA AND NERVE DA MAGE.

M
edical Cond Aggravated by Exposure:PERSONS WITH A HISTORY OF AILMENTS
OR WITH A PRE-EXISTING DISEASE INVOLVING THE RESPIRATORY TRACT MAY
BE AT INCREASED RISK FROM EXPOSURE.

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

First Aid:INHALATION:REMOVE TO FRESH AIR. RESUSCITATE IF NOT BREATHING.
GET MEDICAL ATTENTION. EYES:IMMEDIATELY FLUSH WITH PLENTY OF WATER
FOR 15 MINUTES HOLDING EYELIDS OPEN. GET MEDICAL ATTENTION. SKIN:
REMOV E CONTAMINATED CLOTHING.
WASH WITH PLENTY OF WATER FOR 15
MINUTES. GET MEDICAL ADVICE. INGESTION:DO NOT INDUCE VOMITING.
DRINK 1-2 GLASSSES OF WATER/MILK IF CONSCIOUS. GET IMMEDIATE
MEDICAL ATTENTION.

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

Autoignition Temp:Autoignition Temp Text:NONE
Lower Limits:4.1(FOR H2)
Upper Limits:74.2(FOR H2)
Extinguishing Media:USE WATER FOG, CARBON DIOXIDE, FOAM, OR DRY
CHEMICAL.
Fire Fighting Procedures:IF ON CHARGE, SHUT OFF POWER.
Unusual Fi
re/Explosion Hazard:WILL GENERATE HYDROGEN ON OVERCHARGE. MAY
EXPLODE IN FIRE AND PRODUCE HAZARDOUS FUMES AND OXIDE OF SULFUR
GASES.

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

Spill Release Procedures:WEAR SELF-CONTAINED BREATHING APPARATUS AND
FULL PROTECTIVE CLOTHING. STOP LEAK IF YOU CAN DO SO WITHOUT RISK.
DO NOT USE WATER. NEUTRALIZE SPILL AND/OR WASHINGS WITH SODA ASH OR
LIME. WITH CLEAN SHOVEL, PLACE MATERIAL INTO CLEAN, DRY CONTAINER.
Neutr

alizing Agent:J.T.BAKER'S NEUTRASORB (R) OR TEAM 'LOW NA+' ACID
NEUTRALIZERS ARE RECOMMENDED.

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

Handling and Storage Precautions:KEEP BATTERY TIGHTLY CLOSED. STORE IN
CORROSION-PROOF AREA. ISOLATE FROM INCOMPATIBLE MATERIALS.
Other Precautions:DO NOT GET IN EYES, ON SKIN OR ON CLOTHING. DO NOT
BREATHE VAPOR. WASH THOROUGHLY AFTER HANDLING. IN CASE OF SPILL
NEUTRALIZE WITH SODA ASH OR LIME.

===== Exposur
e Controls/Personal Protection =====

Respiratory Protection:NONE REQUIRED WHERE ADEQUATE VENTILATION
CONDITIONS EXIST. IF AIRBORNE CONCENTRATION EXCEEDS TLV, A NIOSH
APPROVED SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED.
Ventilation:USE MECHANICAL (GENERAL) OR LOCAL EXHAUST VENTILATION TO
MEET TLV REQUIREMENTS.
Protective Gloves:RUBBER GLOVES
Eye Protection:SAFETY GOGGLES WITH OPTIONAL FACE SHIELD
Other Protective Equipment:EYE WASH STATION AND SAFETY SHOWER.
INDUS
TRIAL-TYPE WORK CLOTHING AND APRON AS REQUIRED.
Work Hygienic Practices:OBSERVE GOOD PERSONAL HYGIENE PRACTICES AND
RECOMMENDED PROCEDURES. LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.
Supplemental Safety and Health
AVOID PROLONGED OR REPEATED EXPOSURE TO ACID AND LEAD. DO NOT GET ON
SKIN OR IN EYES. DO NOT BREATHE VAPORS OR MISTS. WASH HANDS AFTER
HANDLING BATTERY ACID OR LEAD TERMINALS.

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

HCC:Z4
Spec Gravity:1.24-1
.28 H2SO4
pH: