

EXIDE CORP -- DRY CHARGE BATTERY,18-TGF-21 -- 6140-01-324-1958

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===== Product Identification =====

Product ID:DRY CHARGE BATTERY,18-TGF-21

MSDS Date:06/01/1996

FSC:6140

NIIN:01-324-1958

Kit Part:Y

MSDS Number: CDQPJ

=== Responsible Party ===

Company Name:EXIDE CORP

Address:645 PENN STREET

City:READING (FORMALLY IN HORSHAM)

State:PA

ZIP:19612-4205

Country:US

Info Phone Num:610-378-0550/ FAX -0616

Emergency Phone Num:610-378-0500/800-424-9300(CHEMTREC)

CAGE:20038

=== Contractor Identification ===

Company Name:ENERSYS INC

Address:8306PATUXENT RANGE RS SUITE 103

Box:City:JESSUP

State:MD

ZIP:20794-8609

Country:US

Phone:301-381-8500 OR 215-378-0757

CAGE:90660

Company Name:EXIDE CORP

Address:645 PENN STREET

Box:14205

City:READING

State:PA

ZIP:19612-4205

Country:US

Phone:610-378-0500/0798

CAGE:20038

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

Ingred Name:LEAD (SARA 3

13) (CERCLA)
CAS:7439-92-1
RTECS #:OF7525000
Fraction by Wt: 53%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE 1910.1025
ACGIH TLV:0.05MG/M3, A3; 9596
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:ANTIMONY (SARA 313) (CERCLA)
CAS:7440-36-0
RTECS #:CC4025000
Fraction by Wt: 0.2%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:0.5 MG/M3
ACGIH TLV:0.5 MG (SB)/M3; 9596
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:ARSENIC (SARA 313) (CERCLA)
CAS:7440-38-2
RTECS #:CG0525000
Fraction by Wt: 0.00
3%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:SEE 1910.1018
ACGIH TLV:0.01 MG/M3, A1; 9596
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:CALCIUM, METAL
CAS:7440-70-2
RTECS #:EV8040000
Fraction by Wt: 0.02%
Other REC Limits:NONE RECOMMENDED

Ingred Name:TIN
CAS:7440-31-5
RTECS #:XP7320000
Fraction by Wt: 0.06%
Other REC Limits:NONE RECOMMENDED
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3; 9596

Ingred Name:CASE MATERIAL (INCLUDING INGREDIENTS 7 AND 8)
Fraction by Wt: 5 - 6%
Other REC Limits:NONE RECOMMEND

ED

Ingred Name:POLYPROPYLENE

CAS:9003-07-0

RTECS #:TR5000000

Fraction by Wt: SEE # 6%

Other REC Limits:NONE RECOMMENDED

Ingred Name:HARD RUBBER

Fraction by Wt: SEE # 6%

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:NONE WHILE DRY.

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

Reports of Carcinogenicity:NTP:NO IARC:YES OSHA:NO

Health Hazards Acute and Chronic:TARGET ORGANS:NONE UNDER NORMAL USE.

ACUTE- I

INTERNAL COMPONENTS CONTAIN LEAD. IF HEATED/BURNED, LEAD FUME/DUST CAN CAUSE POISONING, RESPIRATORY & LUNGS IRRITATION. MAY CAUSE EYE IRRITATION. TOXIC IF I NGESTED. LEAD ACCUMULATES IN BONE & BODYORGANS. CHRONIC- ANEMIA, NERVE & KIDNEY DAMAGE, REPRODUCTIVE CHANGES.

Explanation of Carcinogenicity:CONTAINS LEAD.

Effects of Overexposure:IF BATTERY IS BROKEN/HEATED OR IN FIRE:

IRRITATION, HEADACHE, NAUSEA, VOMITING, FATIGUE, WEIGHT LOSS, ANEMIA, PAIN IN LEGS, ARMS AND JOINTS,

COUGHING, SEVERE ABDOMINAL

CRAMPING AND PAIN, LOSS OF APPET ITE, SLEEP DISTURBANCES AND IRRITABILITY

Medical Cond Aggravated by Exposure:PREGNANT WOMEN AND CHILDREN MUST BE PROTECTED FROM LEAD EXPOSURE.

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

First Aid:NONE UNDER NORMAL USE. IF LEAD EXPOSURE IS SUSPECTED, GET MEDICAL ATTENTION. EYE/SKIN:FLUSH WITH WATER FOR 15 MINUTES. HOLD EYELIDS OPEN. INHALED:REMOVE TO FRESH AIR. PROVIDE OXYGEN/CPR IF NE

EDED. ORA L:CALL PHYSICIAN IMMEDIATELY.

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

Flash Point:NOT RELEVANT

Lower Limits:NOT RELEVANT

Upper Limits:NOT RELEVANT

Extinguishing Media:WATER SPRAY, CARBON DIOXIDE, SAND, FOAM/DRY CHEMICAL. WATER SPRAY MAY BE USED TO KEEP FIRE EXPOSED CONTAINERS COOL.

Fire Fighting Procedures:WEAR FULL PROTECTIVE CLOTHING AND NIOSH-APPROVED SELF-CONTAINED BREATHING APPARATUS, OPERATED IN POSITIVE PRESSURE MODE.

Unusual Fire/

Explosion Hazard:BATTERY CELLS MAY RUPTURE WHEN EXPOSED TO EXCESSIVE HEAT. HYDROGEN GAS, IF PRESENT, IS EXPLOSIVE/FLAMMABLE.

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

Spill Release Procedures:IF BROKEN, LEAD DUST SHOULD BE VACUUMED OR WET-SWEPT. DO NOT DRY SWEEP OR USE FORCED AIR.

Neutralizing Agent:NOT RELEVANT

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

Handling and Storage Precautions:STORE IN COOL, DRY, WELL-VENTILATED PLACE A

WAY FROM INCOMPATIBLE MATERIALS. HANDLE WITH CARE.

Other Precautions:WASH HANDS BEFORE EATING OR DRINKING. KEEP OUT OF REACH OF CHILDREN. AVOID THE USE OF UNINSULATED TOOLS. AFTER CHARGING, DO NOT MAKE A CONNECTION BETWEEN TWO BATTERY TERMINALS AS SEVERE SPARKING MAY OCCUR WHICH COULD RESULT IN AN EXPLOSION.

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

Respiratory Protection:NONE REQUIRED. FOR DUST, FUME OR MIST, WEAR NIOSH- APPROVED RESPIRATOR OR SELF-CONTAINED BREATHING APPARATUS.

Ventilation:ADEQUATE

Protective Gloves:LATEX/RUBBER WHEN FILLING BATTERIES

Eye Protection:CHEMICAL GOGGLES WHEN FILLING BATTERIES

Other Protective Equipment:EYE WASH STATION. WEAR ACID-RESISTANT APRON WHEN FILLING BATTERIES.

Work Hygienic Practices:OBSERVE GOOD INDUSTRIAL HYGIENE PRACTICES AND RECOMMENDED PROCEDURES. WASH THOROUGHLY BEFORE EATING, DRINKING/SMOKING.

Supplemental Safety and Health

KEY1:N1. THIS IS A DRY BATTERY. FOR ELECTROLYTE, SEE PNI D,

SAME NSN.

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

HCC:N1

NRC/State Lic Num:NOT RELEVANT

Decomp Temp:Decomp Text:NOT KNOWN

Spec Gravity:NOT RELEVANT

Viscosity:NOT RELEVANT

Evaporation Rate & Reference:NOT RELEVANT

Solubility in Water:NOT RELEVANT

Appearance and Odor:PRODUCT IS A DRY CHARGED BATTERY.

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS, STRONG BASES, HALIDES, HALOGENATES, P
ERMANGANATE,

PEROXIDES, STRONG REDUCING AGENTS

Stability Condition to Avoid:PROLONGED OVERCHARGE, IGNITION SOURCES

Hazardous Decomposition Products:MAY FORM TOXIC METAL FUME, ARSINE GAS

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

Waste Disposal Methods:SEND TO SECONDARY LEAD SMELTER FOR RECYCLING.
OBSERVE LOCAL, STATE AND FEDERAL REGULATIONS.

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