

ESB INCORPORATED. -- 4-MS-11 CAT NO. 76048. -- 6140-00-135-0261

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

Product ID:4-MS-11 CAT NO. 76048.

MSDS Date:01/01/1985

FSC:6140

NIIN:00-135-0261

MSDS Number: BDBFT

=== Responsible Party ===

Company Name:ESB INCORPORATED.

Box:29414

City:RICHMOND

State:VA

ZIP:23229-0414

Country:US

Emergency Phone Num:804-271-7200

CAGE:KO183

=== Contractor Identification ===

Compan

y Name:ESB INCORPORATED.

Box:29414

City:RICHMOND

State:VA

ZIP:23229-0414

Country:US

Phone:804-271-7200

CAGE:KO183

Company Name:EXIDE CORP GOVERNMENT MARKETING DEPT

Box:29414

City:RICHMOND

State:VA

ZIP:23229-0414

Country:US

Phone:804-226-0167

CAGE:1E152

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

Ingred Name:SULFURIC ACID (SARA III)

CAS:7664-93-9

RTECS #:WS5600000

Fraction by Wt: 34.0%

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9192

EPA Rpt Qty:1000 LBS

DOT Rpt Qty:1000 LBS

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Hazards Identification
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Effects of Overexposure:CONJUNCTIVITIS,CORNEAL NECROSIS,DERMATITIS,SKIN BURNS,ULCERSTION,IRRITATION OF NOSE & THROAT,EDEMA.

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First Aid Measures
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First Aid:IRRIGATE EYES WITH WATER.WASH CONTAMINATED AREAS OF BODY WITH SOAP & WATER. STOMACH WASH, IF SWALLOWED.SEE A DOCTOR.

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Fire Fighting Measures
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Fire Fighting Procedures:USE CO*2.

Unusual Fire/Explosion Hazard:HYDROGEN GAS IS EVOLVED WHILE BATTERY IS CHARGING.

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Accidental Release Measures
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Spill Release Procedures:COVER WITH SODIUM CARBONATE OR AN EQUAL MIXTURE OF SODA ASH & SLAKED LIME.AFTER MIXING,ADD WATER IF NECESSARY TO FORM A SLURRY,OR NEUTRALIZE WITH BICARBONATE OF SODA SOLUTION (ONE POUND OF SODA TO A G ALLON OF WATER).

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Handling and Storage
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Handling and S

storage Precautions:PROTECT CONTAINERS AGAINST PHYSICAL DAMAGE & PREVENT CONTACTS WITH WATER.SEPARATE FROM CARBIDES,CHLORATES,FULMINATES,NITRATES,PICRATES,POWD.METALS.

Other Precautions:SEPARATE FROM COMBUSTIBLE MATERIALS.

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Exposure Controls/Personal Protection
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Respiratory Protection:CHEMICAL CARTRIDGE RESPIRATOR.

Ventilation:AS REQUIRED TO CONTROL TLV IN AIR.

Protective Gloves:RUBBER.

Eye Protection:SAFETY GOGGLES.

Other Protective Equipment:RUBBER APRON & RUBBER BOOTS WHEN HANDLING.

Supplemental Safety and Health

THE BATTERY IS SHIPPED AND STORED DRY. AFTER ADDITION OF THE ELECTROLYTE (SULFURIC ACID), THE HCC WILL BE C1.

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Physical/Chemical Properties
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HCC:Z7

Boiling Pt.=315.C, 599.F

B.P. Text:599F-640F.

Spec Gravity:1.250.

Solubility in Water:APPRECIABLE

Appearance and Odor:OILY LIQUID,COLORLESS TO DARK BROWN.

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Stability and Reactivity Data
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Stability Indicator/Mate

rials to Avoid: YES

CARBIDES, CHLORATES, FULMINATES, NITRATES, PICRATES, POWD. MTLs.

Hazardous Decomposition Products: HYDROGEN GAS.

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

Waste Disposal Methods: ADD SLOWLY TO A LARGE AMOUNT OF SOLUTION OF SODA ASH & SLAKED LIME BY STIRRING. DISCHARGE THE SOLUTION W/LARGE AMT OF WATER INTO AN APPROVED DISPOSAL AREA.

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