

# MATERIAL SAFETY DATA SHEET

## Section 1 : Product and Manufacturer Identity

Product Identity: 12V 5.4 AMP Sealed Lead Rechargeable Battery

Brand: CURT

Manufacturer's Name and Address: SAJONES CO., LTD.  
6FL., NO. 5, SEC. 2, TUN HUA SOUTH ROAD,  
TAIPEI, TAIWAN

## Section 2 : Hazardous Ingredients / identity –information

Components : Sulfuric acid

CAS: unknown

OSHA PEL: unknown

ACGIH % per weight: unknown

## Section 3 : Physical/Chemical Characteristics

Boiling point: 340°C

Vapour pressure: unknown

Vapour Density (AIR=1): unknown

Solubility in water: easy soluble in water and alkyd

Appearance and odour: Non-color and non-taste liquid

Specific gravity (H2O=1): 1.32

## Section 4 : fire and Explosion Hazard data

Flash point:  
insignificance

Flammable limits: air, metal and skin

Extinguishing media: insignificance

Special fire fighting procedures: prevent it from air by using a dry-dirt extinguisher

Unusual fire and explosion hazards: store in shady and cool warehouse; keep away from flame and direct sunlight; sealed package and prevent from air, water and metal.

#### Section 5 : reactivity data

Stability: stable

Conditions to avoid: air, metal and skin

#### Section 6 : Health Hazard Data

Health Hazard information (acute and Chronic) Sulphuric acid only:

Routes of entry: breathe and touch

Acute: uncomfortable

Chronic: injure your health

Signs and Symptoms:

Medical conditions: consult medical physician

Emergency and first aid procedures: wash with a lot of water immediately

Battery electrolyte: unknown

Inhalation: stimulate breathe or injure the skin by breathing

Eye contact: injure the eye

Skin contact: injure the skin

Ingestion: injure your health

#### Section 7 : Precaution for safe handling and use

Steps to be taken in case of broken battery case or electrolyte leakage: stop using it and don't touch it and ask a specialized person deal with the broken battery.

Waste disposal method: recycled, make an insulated treatment to the terminals by a pcs of adhesive tape. Never put the battery into fire or water.

Precaution to be taken in handling and storage:

store battery in a stable position away from water, metal and fire; disconnect the battery from the load equipment before storage to avoid possible over-charge or damage; do not use and store the battery in a place at a temperature of 50°C, storage must be taken place in a cool dry place; do not make a battery wet with water.

Other precaution:

Clean battery with soft wet cloth. Never use oil, polyvinyl chloride or organic solvents to the battery; do not disassemble the battery. Otherwise sulphuric acid will flow out; avoid dusting by cloth duster or dry cloth as they will generate static electricity which is dangerous; do not short the battery terminals; never dispose battery into fire.

Section 8 : Control Measures
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General: inspect the battery periodically and replace a battery on time by a specialized person.

Personal protective equipment (in the event of battery case breakage)  
Special gloves should be worn.

Work/hygienic practices: wash your hands after handling battery.

Section 9 : other regulatory information
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1. NEPA hazard rating for sulphuric acid:

Flammability (red) = health (blue) = reactivity (yellow)

2. Transportation information:

Proper shipping name
U.S. DOT (U.S. department of transportation)
IATA ( international Air Transportation Association)
ICAO ( International Civil Aviation Administration)
IMO ( International Marine Dangerous Goods)

Comment :

Our unique construction and sealing technique ensures that no electrolyte leakage should occur from the terminals or case of any battery. This feature provides for safe and effective operation in any orientation. Our battery are classified as "Non-Spillable" meet all requirements of the IMO TO allow transportation.