Taken if Material is Released or Spilled bicarbonate, lime, etc. Wear acid-resistant clothing, boots, gloves, and face shield. Do not allow discharge of un-neutralized acid to sewer. Acid must be managed in accordance with approved local, state, and

federal requirements. Consult state environmental agency and/or federal EPA.

Waste Disposal Method

Dispose of as a hazardous waste. Dispose of in accordance with applicable local, state and federal

regulations.

7. HANDLING AND STORAGE

Handling Unless involved in recycling operations, do not breach the casing or empty the contents of the battery.

Handle carefully and avoid tipping, which may allow electrolyte leakage. There may be increasing risk of electric shock from strings of connected batteries. Keep containers tightly closed when not in use. If battery case is broken, avoid contact with internal components. Keep vent caps on and cover terminals to prevent short circuits. Place cardboard between layers of stacked automotive batteries to avoid damage and short circuits. Keep away from combustible materials, organic chemicals, reducing substances,

metals, strong oxidizers and water. Use banding or stretch wrap to secure items for shipping.

Storage Store batteries under roof in cool, dry, well-ventilated areas separated from incompatible materials and

from activities that may create flames, spark, or heat. Store on smooth, impervious surfaces provided with measures for liquid containment in the event of electrolyte spills. Keep away from metallic objects that could bridge the terminals on a battery and create a dangerous short-circuit. Room ventilation is required for batteries utilized for standby power generation. Never recharge batteries in an unventilated, enclosed

space.

Charging: There is a possible risk of electric shock from charging equipment and from strings of series connected

batteries, whether or not being charged. Shut-off power to chargers whenever not in use and before detachment of any circuit connections. Batteries being charged will generate and release flammable hydrogen gas. Charging space should be ventilated. Keep battery vent caps in position. Prohibit smoking and avoid creation of flames and sparks nearby. Wear face and eye protection when near batteries being

charged.

Other Follow Manufacturers Recommendations regarding maximum recommended currents and operating

temperature range. Do not overcharge beyond the recommended upper charging voltage limit. Applying pressure or deforming the battery may lead to disassembly followed by eye, skin and throat irritation.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits

US OSHA Specifically Regulated Substances (29 CFR 1910.1001 – 1050)

Ingredient	CAS Number	Type	Value
Lead	7439-92-1	TWA	0.05 mg/m ³
Lead Oxide	1309-60-0	TWA	0.05 mg/m ³
Lead Sulfate	7446-14-2	TWA	0.05 mg/m^3

US OSHA Table Z-1 Limits for Air Contaminants (29CFR 1910.1000)

Ingredient	CAS Number	Туре	Value
Sulfuric Acid	7664-93-9	PEL	1 mg/m³

US ACGIH Threshold Limit Values

Ingredient	CAS Number	Туре	Value	Form
Lead	7439-92-1	TWA	0.05 mg/m³	
Lead Oxide	1309-60-0	TWA	0.05 mg/m³	
Lead Sulfate	7446-14-2	TWA	0.05 mg/m³	
Sulfuric Acid	7664-93-9	TWA	0.2 mg/m ³	Thoracic Fractions

US NIOSH: Pocket Guide to Chemical Hazards

Ingredient	CAS Number	Туре	Value	
Lead	7439-92-1	TWA	0.05 mg/m³	

Lead Acid Battery SDS US