

# Safety Data Sheet

# **1. IDENTIFICATION**

Product Name: Absorptive Glass-Fiber Material Lead	Product Use: Vehicle Electrical System
Acid Battery	Manufacturer/Supplier: Johnson Controls Battery Group
Synonyms: AGM Battery	Address:
	P.O. Box 590
	Milwaukee, WI 53201 US
General Information Number: (800)-333-2222 ext. 3138	Emergency number: CHEMTREC: 800-424-9300
Contact Person: Industrial Hygiene & Safety Department	

NOTE: The Johnson Controls battery is considered an article as defined by 29 CFR 1910.1200 (OSHA Hazard Communication Standard). The information contained in this SDS is supplied at the customer's request for information only.

# 2. HAZARD(S) IDENTIFICATION

Health		Environmental	Physical
Acute Toxicity (Oral, dermal, inhalation)	Category 4	Aquatic Chronic 1 Aquatic Acute 1	Explosive Chemical, Division 1.3
Skin corrosion/irritation	Category 1A		
Eye Damage	Category 1		
Reproductive	Category 1A		
Carcinogenicity (lead)	Category 1B		
Carcinogenicity (acid mist)	Category 1A		
Specific target organ toxicity (repeated exposure)	Category 2		

# Label Elements:

Health	Environmental	Physical	
Hazard Statements	Precautionary Statements		
DANGER!	Wash thoroughly after handling.		
Causes severe skin	Do not eat, drink or smoke when using this product.		
Causes serious eye damage.	Wear protective gloves/protective clothing, eye protection/face protection.		
May damage fertility or the unborn child if	Avoid breathing dust/fume/gas/mist/vapors/spray.		
ingested or inhaled.	Use only outdoors or in a well-ventilated area.		
May cause cancer if ingested or inhaled.	Causes skin irritation, serious eye damage.		
Causes damage to central nervous system, blood	Contact with internal components may cause irritation or severe burns. Avoid		
and kidneys through prolonged or repeated	contact with internal acid.		
exposure.	Irritating to eyes, respiratory system, a	nd skin.	

May form explosive air/gas mixture during	
charging.	
Extremely flammable gas (hydrogen).	
Explosive, fire, blast or projection hazard.	

# 3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENTS (Chemical/Common Names):	CAS No.:	% by Wt:
Inorganic Lead/Lead Compounds	7439-92-1	72
Sulfuric Acid absorbed in Glass-Fiber Material	7664-93-9	28

**Composition Comments** 

All concentrations are in percent by weight.

# 4. FIRST AID MEASURES

Note: Under normal conditions of battery use, internal components will not present a health hazard. The following information is provided for battery electrolyte (acid) and lead for exposures that may occur during battery production or container breakage or under extreme heat conditions such as fire.

Inhalation	Sulfuric Acid: Remove to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.
	Lead: Remove from exposure, gargle, wash nose and lips; consult physician.
Skin contact	Sulfuric Acid: Flush with large amounts of water for at least 15 minutes; remove contaminated clothing
	completely, including shoes. If symptoms persist, seek medical attention. Wash contaminated clothing
	before reuse. Discard contaminated shoes.
	Lead: Wash immediately with soap and water.
Eye contact	Sulfuric Acid and Lead: Flush immediately with large amounts of water for at least 15 minutes while lifting
	lids; Seek immediate medical attention if eyes have been exposed directly to acid.
Ingestion	Sulfuric Acid: Give large quantities of water; Do NOT induce vomiting or aspiration into the lungs may
	occur and can cause permanent injury or death; consult physician.
	Lead: Consult physician immediately.

# 5. FIRE FIGHTING MEASURES

Flash Point Auto ignition Temperature	Not applicable unless individual components exposed. No data available.
Flammable Limits Extinguishing Media Unsuitable	LEL = 4.1% (Hydrogen Gas in air) ; UEL = 74.2% CO2; foam; dry chemical. Do not use carbon dioxide directly on cells. Avoid breathing vapors. Use appropriate media for surrounding fire.
Extinguishing Media	Water
Special Fire Fighting Procedures	Use positive pressure, self-contained breathing apparatus. Beware of acid splatter during water application and wear acid-resistant clothing, gloves, face and eye protection. If batteries are on charge, shut off power to the charging equipment, but note that strings of series connected batteries may still pose risk of electric shock even when charging equipment is shut down.
Unusual Fire and Explosion Hazard	Highly flammable hydrogen gas is generated during charging and operation of batteries. If ignited by burning cigarette, naked flame or spark, may cause battery explosion with dispersion of casing fragments and corrosive liquid electrolyte. Carefully follow manufacturer's instructions for installation and service. Keep away all sources of gas ignition and do not allow metallic articles to simultaneously contact the negative and positive terminals of a battery. Follow manufacturer's instructions for installation and service.

## 6: ACCIDENTAL RELEASE MEASURES

Protective	Stop flow of material, contain/absorb small spills with dry sand, earth, and vermiculite. Do not use
Measures to be	combustible materials. If possible, carefully neutralize spilled acid with soda ash, sodium bicarbonate,
Taken if Material is	lime, etc. Wear acid-resistant clothing, boots, gloves, and face shield. Do not allow discharge of un-
<b>Released or Spilled</b>	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	Dispose of as a hazardous waste. Dispose of in accordance with applicable local, state and federal
Method	regulations.

# 7. HANDLING AND STORAGE

Handling & Storage	Store frost-free under roof; prevent short circuits. Do not store in sealed, unventilated areas. Seek agreement with local water authorities in case of larger quantities. Avoid overheating and charging. Do not use organic solvents or anything other than manufacturers recommended cleaners on the batteries. If batteries have to be stored in storage rooms, it is imperative that the instructions for use are observed.
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 may generate and release flammable hydrogen gas. Charging space should be ventilated. 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	Туре	Value	
Lead	7439-92-1	TWA	0.05 mg/m³	

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

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

#### **US ACGIH Threshold Limit Values**

Ingredient	CAS Number	Туре	Value	Form
Lead	7439-92-1	TWA	0.05 mg/m³	
Sulfuric Acid	7664-93-9	TWA	0.2 mg/m <sup>3</sup>	Thoracic Fractions

#### US NIOSH: Pocket Guide to Chemical Hazards

Ingredient	CAS Number	Туре	Value
Lead	7439-92-1	TWA	0.05 mg/m³
Sulfuric Acid	7664-93-9	TWA	1 mg/m³

#### **Biological limit values**

#### **ACGIH Biological Exposure Indices**

Ingredient	Value	Determinant	Specimen	Sampling Time
Lead	300 μg/l	Lead	Blood	*
* = 0   1   1   1				

\* - For Sampling details please see the source document.

## **Exposure Guidelines:**

The OELs listed above are only applicable if the internal components of the battery cell are released. Follow standard monitoring procedures.

## **Engineering Controls (Ventilation):**

Store sealed lead acid batteries at ambient temperature. Never recharge batteries in an unventilated, enclosed space. Do not subject product to open flame or fire. Avoid conditions that could cause arcing between terminals.

## **Respiratory Protection (NIOSH/MSHA approved):**

NONE REQUIRED FOR NORMAL HANDLING OF THE FINISHED PRODUCT.

When concentrations of sulfuric acid mist are known to exceed PEL, use NIOSH or MSHA-approved respiratory protection.

#### **Skin Protection:**

NONE REQUIRED FOR NORMAL HANDLING OF THE FINISHED PRODUCT.

If battery case is damaged, use rubber or plastic acid-resistant gloves with elbow-length gauntlet, acid-resistant apron, clothing and boots.

#### **Eye Protection:**

NONE REQUIRED FOR NORMAL HANDLING OF THE FINISHED PRODUCT.

If necessary to handle damage product where exposure to the organic electrolyte is a possibility, chemical splash goggles and a face shield are recommended.

## **Other Protection:**

Safety footwear meeting the requirements of ANSI Z 41.1 is recommended when it is necessary to handle the finished product.

#### **General Hygiene Considerations:**

When using, do not eat, drink, or smoke. Wash hands after handling. Contaminated work clothing should not be allowed out of the workplace. Handle in accordance with good industrial hygiene and safety practice.

# 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and Odor Odor Threshold pH Melting Point Boiling Point	Manufactured article; no apparent odor. Not applicable. Not applicable Lead - 621.32 °F (327.4 °C) Not applicable unless individual components exposed. Battery Electrolyte (Acid) - 230 - 233.6 °F (110 - 112 °C) Lead - 3191 °F (1755 °C)			
Flash Point	Not applicable.			
Evaporation Rate (Butyl Acetate = 1)	Not applicable.			
Vapor Pressure (mm Hg @ 20 ° C) Flammability	Battery Electrolyte (Acid) 11.7			
Upper/lower flammability or explosive limits	Hydrogen	Flammability Limit Lower- 4.1 % Flammability Limit Upper – 74.2 %		
Vapor Pressure	10.95 mm H	g (Sulfuric Acid)		
Vapor Density	Not applicab	le.		
Relative Density	1.21 - 1.3 Ba	ttery Electrolyte (Acid)		
Solubility	Lead and Lead dioxide are not soluble. 100 % Battery Electrolyte (Acid).			
% Volatile by Weight	Not applicable unless individual components exposed.			
Partition coefficient (n-octanol/water)	Not applicab	Not applicable		
Auto-ignition temperature	Not applicable			

Decomposition	Not applicable		
temperature			
Viscosity	Not applicable		
Density	11.35 g/cm <sup>3</sup> Lead		

#### **10. STABILITY AND REACTIVITY**

Reactivity Stability Conditions to Avoid Incompatibility (materials to avoid)	This product is non-reactive under normal conditions or use, storage, and transport. The sealed battery is considered stable. Sparks and other sources of ignition; high temperature; over charging. Acid: Contact with combustibles and organic materials may cause fire and explosion. Also reacts violently with strong reducing agents, metals, sulfur trioxide gas, strong oxidizers, and water. Contact with metals may produce toxic sulfur dioxide fumes and may release flammable hydrogen gas.
Hazardous Decomposition Products	Lead compounds: Avoid contact with strong acids, bases, halides, halogenates, potassium nitrate, permanganate, peroxides, nascent hydrogen, and reducing agents. Acid: Sulfur trioxide, carbon monoxide, sulfuric acid mist, sulfur dioxide, hydrogen sulfide.
Hazardous Polymerization	Lead compounds: Temperatures above the melting point are likely to produce toxic metal fume, vapor, or dust; contact with strong acid or base or presence of nascent hydrogen may generate highly toxic arsine gas. Will not occur.

## **11. TOXICOLOGICAL INFORMATION**

NOTE: Under normal conditions of use, this product does not present a health hazard. The following information is provided for organic electrolyte and lead exposure that may occur due to container breakage or under extreme conditions such as fire. Organic electrolyte – reacts with moisture/water to produce hydrofluoric acid in <u>trace</u> quantities. Hydrofluoric acid is extremely corrosive and toxic. In severe exposures it acts as a systemic poison and causes severe burns. The reaction may be delayed. Any contact with this material, even minor, requires immediate medical attention.

· ·	ROUTES AND METHODS OF ENTRY
Inhalation	EXPOSURE IS NOT EXPECTED FOR PRODUCT UNDER NORMAL CONDITIONS OF USE.
	Culturio Aside Droothing of culturio aside operatory mists may source source receivatory instantion
	Sulfuric Acid: Breathing of sulfuric acid vapors or mists may cause severe respiratory irritation.
	Lead Compounds: Inhalation of lead dust or fumes may cause irritation of upper respiratory tract and lungs.
Skin Contact	EXPOSURE IS NOT EXPECTED FOR PRODUCT UNDER NORMAL CONDITIONS OF USE.
Skin contact	EXPOSORE IS NOT EXPECTED FOR PRODUCT UNDER NORMAE CONDITIONS OF USE.
	Sulfuric Acid: Severe irritation, burns and ulceration.
	Lead Compounds: Not absorbed through the skin.
Skin Absorption	EXPOSURE IS NOT EXPECTED FOR PRODUCT UNDER NORMAL CONDITIONS OF USE.
	In the event of overcharging or damage to the unit, exposure to organic electrolyte solution/mist is
	possible. Extreme exposures to the organic electrolyte can be absorbed through the skin.
Eye Contact	EXPOSURE IS NOT EXPECTED FOR PRODUCT UNDER NORMAL CONDITIONS OF USE.
	Sulfuric Acid: Severe irritation, burns, cornea damage, and blindness.
	Lead Compounds: May cause eye irritation.
Ingestion	EXPOSURE IS NOT EXPECTED FOR PRODUCT UNDER NORMAL CONDITIONS OF USE.
	Sulfuric Acid: May cause severe irritation of mouth, throat, esophagus and stomach.
	Lead Compounds: Acute ingestion may cause abdominal pain, nausea, vomiting, diarrhea and
	severe cramping. This may lead rapidly to systemic toxicity and must be treated by a physician.
	SIGNS AND SYMPTONS OF OVEREXPOSURE
Acute Effects	EXPOSURE IS NOT EXPECTED FOR PRODUCT UNDER NORMAL CONDITIONS OF USE.
	Sulfuric Acid: Severe skin irritation, damage to cornea, upper respiratory irritation.

**Chronic Effects** 

Taviaglagical Data

Lead Compounds: Symptoms of toxicity include headache, fatigue, abdominal pain, loss of appetite, muscular aches and weakness, sleep disturbances and irritability **EXPOSURE IS NOT EXPECTED FOR PRODUCT UNDER NORMAL CONDITIONS OF USE.** Sulfuric Acid: Possible erosion of tooth enamel, inflammation of nose, throat & bronchial tubes. Lead Compounds: Anemia; neuropathy, particularly of the motor nerves, with wrist drop; kidney damage; reproductive changes in males and females. Repeated exposure to lead and lead compounds in the workplace may result in nervous system toxicity. Some toxicologists report abnormal conduction velocities in persons with blood lead levels of 50 µg/100 ml or higher. Heavy lead exposure may result in central nervous system damage, encephalopathy and damage to the blood-forming (hematopoietic) tissues.

#### MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

Overexposure to sulfuric acid mist may cause lung damage and aggravate pulmonary conditions. Contact of sulfuric acid with skin may aggravate diseases such as eczema and contact dermatitis. Lead and its compounds can aggravate some forms of kidney, liver and neurologic diseases.

#### ADDITIONAL HEALTH DATA

All heavy metals, including the hazardous ingredients in this product, are taken into the body primarily by inhalation and ingestion. Most inhalation problems can be avoided by adequate precautions such as ventilation and respiratory protection covered in Section 8. Follow good personal hygiene to avoid inhalation and ingestion: wash hands, face, neck and arms thoroughly before eating, smoking or leaving the work site. Keep contaminated clothing out of non-contaminated areas, or wear cover clothing when in such areas. Restrict the use and presence of food, tobacco and cosmetics to non-contaminated areas. Work clothes and work equipment used in contaminated areas must remain in designated areas and never taken home or laundered with personal non-contaminated clothing. This product is intended for industrial use only and should be isolated from children and their environment.

The 19th Amendment to EC Directive 67/548/EEC classified lead compounds, but not lead in metal form, as possibly toxic to reproduction. Risk phrase 61: May cause harm to the unborn child, applies to lead compounds, especially soluble forms.

Toxicological Data		
Constituents Species		Test Results
Sulfuric Acid absorbed in gla	ss-fiber material (CAS 7664-93-9)	
Acute		
Oral		
LD50	Rat	2140 mg/kg
Skin corrosion/irritation Serious eye damage/eye irritation Respiratory Sensitization Skin Sensitization Germ Cell Mutagenicity	Electrolyte: Causes severe skin burns Electrolyte: Causes severe skin burns Not Classified Not a skin sensitizer No data available	

#### CARCINOGENICITY

Under normal handling and storage conditions, the exposure to carcinogenic components is not expected. Risk of adverse effects occurs only if the cell is mechanically, thermally, or electrically abused to the point of compromising the enclosure.

Sulfuric Acid: The International Agency for Research on Cancer (IARC) has classified "strong inorganic acid mist containing sulfuric acid" as a Category I carcinogen, a substance that is carcinogenic to humans. This classification does not apply to liquid forms of sulfuric acid or sulfuric acid solutions contained within a battery. Inorganic acid mist (sulfuric acid mist) is not generated under normal use of this product. Misuse of the product, such as overcharging, may result in the generation of sulfuric acid mist.

Lead Compounds: Lead is listed as a 2B carcinogen, likely in animals at extreme doses. Proof of carcinogenicity in humans is lacking at present.

IARC Monographs. Overall Evaluation of Carcinogenicity Lead (CAS 7439-92-1) NTP Report on Carcinogens

2B Possibly carcinogenic to humans.

Lead sulfate (CAS 7446-14-2)Reasonably Anticipated to be a Human Carcinogen.OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)Not listed.

Reproductive toxicity	May damage fertility or the unborn child.
Specific target organ	No data available.
toxicity -	
single exposure	
Specific target organ	Lead: May cause damage to organs (blood, central nervous system) through prolonged or
toxicity -	repeated exposure.
repeated exposure	
Aspiration hazard	Not classified.
Aspiration hazard	Not classified.

# **12. ECOLOGICAL INFORMATION**

Environmental Fate Ecotoxicity	metallic and terr studies i Very tox	Lead is very persistent in soil and sediments. No data on environmental degradation. Mobility of metallic lead between ecological compartments is slow. Bioaccumulation of lead occurs in aquatic and terrestrial animals and plants but little bioaccumulation occurs through the food chain. Most studies include lead compounds and not elemental lead Very toxic to aquatic life with long lasting effects. However, no ecological impacts expected under normal use conditions.			
Constituents		Species	Test Results		
Inorganic Lead/Lead Comp	ounds (CAS 7	/439-92-1)			
Aquatic					
Fish	LC50	Rainbow trout, Donaldson trout (Oncorhynchus mykiss)	1.17 mg/l, 96 hours		
Persistence and Degradability	No data	No data available			
Bioaccumulative potential	No data	No data available			
Additional Information	No known effects on stratospheric ozone depletion Volatile organic compounds: 0% (by Volume) Water Endangering Class (WGK): NA				

# **13. DISPOSAL CONSIDERATIONS**

Waste disposal method	Material should be recycled if possible. Lead-acid batteries are completely recyclable. Product can be recycled along with automotive (SLI) lead-acid batteries. Dispose waste and residues in accordance with applicable federal, state, and local regulations.
Hazardous waste code	D008: Lead
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or packaging may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal.

# **14. TRANSPORT INFORMATION**

Note: Transportation requirements do not apply once the battery pack has been installed in a vehicle as part of the vehicle's functional components.

<u>Transportation</u>: Absorptive Glass-Fiber Material Lead Acid Battery is not a DOT Hazardous Material <u>Other</u>: Per DOT, IATA, ICAO, and IMDG rules and regulations, these batteries are exempt from "UN2800" classification as a result of successful completion of the following tests:

- 1.) Vibration tests
- 2.) Pressure Differential Tests
- 3.) Case Rupturing Tests (no free liquids)

# United States DOT: Not regulated as dangerous goods per 49 CFR 173.159a IATA Not regulated as dangerous goods per Special Provision A67 IMDG Not regulated as dangerous goods per exception 238

# 15. REGULATORY INFORMATION

This product is an article pursuant to 29 CFR 1910.1200 and as such is not subjected to the OSHA Hazard Communication Standard. The information on this SDS is supplied at customer's request for information only

TSCA

Ingredients listed in the TSCA registry are lead, lead compounds, and sulfuric acid.

<b>OSHA Specifically Regulated Sub</b>	stances (29 CFR 1910.1001-1050)			
Lead (CAS 7439-92-1)	Reproductive toxicity			
	Central nervous system			
	Kidney			
	Blood			
	Acute toxicity			
CERCLA Hazardous Substance Lis	t (40 CFR 302.4)			
Lead (CAS 7439-92-1)	LISTED			
Sulfuric Acid absorbed in Glass-	LISTED			
fiber Material (CAS 7664-93-9)				
Superfund Amendment and Rea	uthorization Act of 1986 (SARA)			
Hazard Categories	Immediate Hazard – Yes			
	Delayed Hazard – Yes			
	Fire Hazard – Yes			
	Pressure Hazard – Yes			
	Reactivity Hazard – Yes			
SARA 302 Extremely hazardous s	substance			
		Threshold	Threshold	

<b>Chemical Name</b>	CAS Number	Reportable	Threshold	Planning Quantity	Planning Quantity
Sulfuric Acid		Quantity	Planning Quantity	– Lower value	– upper value
absorbed in Glass- fiber Material	7664-93-9	1000	1000 lbs		

# Section 311/312 Hazard Categorization:

EPCRA Section 312 Tier Two reporting is required for non-automotive batteries if sulfuric acid is present in quantities of 500 lbs. or more and/or if lead is present in quantities of 10,000 lbs. or more. For more information consult 40 CFR 370.10 and 40 CFR 370.40

#### Section 313 EPCRA Toxic Substances:

40 cfr section 372.38 (b) states: If a toxic chemical is present in an article at a covered facility, a person is not required to consider the quantity of the toxic chemical present in such article when determining whether an applicable threshold has been met under § 372.25, § 372.27, or § 372.28 or determining the amount of release to be reported under § 372.30. This exemption applies whether the person received the article from another person or the person produced the article. However, this exemption applies only to the quantity of the toxic chemical present in the article.

#### Other federal regulations

# Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Lead ( CAS 7439-92-1)

# Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Sulfuric Acid absorbed in Glass-fiber Material (CAS 7664-93-9)

Safe Drinking Water Act (SDWA)

Not regulated

Chemical Co	ement Administration (DEA). List 2, Esse ode Number		5.52(5) and 1310.04(1)(2) and
	Sulfuric Acid absorbed in Glass-fiber	6552	
	Material (CAS 7664-93-9)		
Drug Enforc	ement Administration (DEA). List 1 & 2 E		21 CFR 1310.12(c))
	Sulfuric Acid absorbed in Glass-fiber	20 % WV	
	Material (CAS 7664-93-9)		
DEA Exempt	t Chemical Mixtures Code Number		
	Sulfuric Acid absorbed in Glass-fiber	6552	
	Material (CAS 7664-93-9)		
US State Re	gulations		
US. Massach	nusetts RTK – Substance List		
	Lead ( CAS 7439-92-1)		
	Sulfuric Acid absorbed in Glass-fiber N	1aterial (CAS 7664-93-9)	
US New Jers	sey Worker and Community Right-to-kno	ow Act	
	Lead ( CAS 7439-92-1)		
	Sulfuric Acid absorbed in Glass-fiber N	laterial (CAS 7664-93-9)	
US Pennsylv	ania Worker and Community Right-to-k	now Law	
	Lead ( CAS 7439-92-1)		
	Sulfuric Acid absorbed in Glass-fiber N	1aterial (CAS 7664-93-9)	
US Rhode Is	land RTK		
	Lead ( CAS 7439-92-1)		
	Sulfuric Acid absorbed in Glass-fiber N	1aterial (CAS 7664-93-9)	
US. Californ	ia Proposition 65		
	WARNING: This product contains chen	nicals known to the State of (	California to cause cancer.
	Battery posts, terminals and related ac	ccessories contain lead and le	ead compounds, chemicals known to the state of
	California to cause cancer and reprodu	uctive harm. Wash hands aft	er handling.
	*Battery companies not party to the 1	999 consent judgment with I	Mateel Environmental Justice Foundation should
	include a Proposition 65 Warning that	complies with the current ve	ersion of Proposition 65.
US - Califorr	nia Proposition 65 - Carcinogens & Repro	oductive Toxicity (CRT): Liste	d substance
	Lead ( CAS 7439-92-1)		
	Sulfuric Acid absorbed in Glass-fiber N	laterial (CAS 7664-93-9)	
Internationa	al Inventories		
	Country(s) or Region	Inventory Name	On inventory (yes/no)*

Country(s) or RegionInventory NameOn inventory (yes/rUnited States & Puerto RicoToxic Substances Control Act (TSCA)YesInventoryInventory

\* A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

# **16. OTHER INFORMATION**

Issue Date:	04/01/2015
Revision Date:	12/07/2015
Version #:	03
Further information:	NFPA Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3=Serious 4 = Severe
NFPA ratings	3 2

Disclaimer

Johnson Controls Battery Group, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.