Safety Data Sheet

Number: DMN0260

Section 1 - Identification

Product Name: Battery, Wet, Lead-Acid Inorganic acid. **Revised:** 5/14/15

Damon Industries, Inc. **12435 Rockhill Ave NE** **Alliance, Ohio 44601** **U.S.A.**	**1-800-362-9850** **1-330-821-5310** **1-330-821-6355 Fax** **info@DamonQ.com**	**24 HOUR EMERGENCY RESPONSE** **1-800-535-5053 (U.S. & Canada)** **001-352-323-3500 (International)**

Section 2 - Hazards Identification

Hazard categories: Skin Corrosion/Irritation 1; Eye Corrosion/Irritation 1
Hazard statements: Causes severe skin burns and serious eye damage.

Signal word: Danger

Pictogram: Corrosion

Precautionary statements

Prevention

Do not breath dusts or mists. Wash hands thoroughly after handling.
Wear protective gloves such as latex. Wear eye protection such as safety glasses with side shields.

Response

IF SWALLOWED: Rinse mouth. Do not induce vomiting.
IF ON SKIN (OR HAIR): Take off immediately all contaminated clothing before reuse. Rinse skin with water. Wash contaminated clothing before reuse.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER for medical advice.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER.

Storage: Store locked up.

Disposal: Dispose of contents in accordance with local, regional, national, and international regulations.

Section 3 - Composition / Information on Ingredients

Ingredient	C.A.S. No.	Concentration
Lead	7440-36-0	>60%
Sulfuric acid	7664-93-9	10%
Antimony	7440-38-2	2%
Arsenic	7664-93-9	0.2%

The remaining ingredients are not reportable as described in Appendix D to Sec. 1910.1200 Table D.1.

Section 4 - First Aid Measures

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing, lifting upper and lower eyelids occasionally. Immediately call a POISON CENTER.
Skin Contact: Flush exposed skin with running water. Remove contaminated clothing and shoes. If redness, irritation or other symptoms exist after flushing, get medical attention immediately. Wash clothing before wearing again. Throw away contaminated shoes.
Inhalation: If affected, move person to fresh air. If irritation persists, call a POISON CENTER advice.
Ingestion: If the product is swallowed, do NOT induce vomiting. If the affected person is conscious, give a glass of water or milk to drink. Treat for shock by keeping the person warm and quiet. Get medical attention.

Section 5 - Fire-Fighting Measures

Extinguishing Media: Suitable for the surrounding fire. **Special Fire Fighting Procedures:** None.
Unusual Fire And Explosion Hazards: Charging batteries release flammable hydrogen gas.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Use adequate personal protective equipment. Neutralize spills with baking soda or soda ash (sodium carbonate). After neutralizing, spills can be washed to the sanitary sewer with plenty of water.

Section 7 - Handling and Storage

Recharge away from sources of ignition.

Section 8 - Exposure Controls / Personal Protection

Ingredient	C.A.S. No.	Concentration	TWA(source)	STEL	Ceiling
Sulfuric acid	7664-93-9	18%	1 mg/m^3 (1,2,4), 0.2 mg/m^3 (3)	3 mg/m^3 (3,4)	-

(1)=OSHA (2)=NIOSH (3)=ACGIH (4)=CANADA TWA=8 hour Time Weighted Average STEL=15 minute TWA Ceiling=Instantaneous
Ingredients not shown are unlikely to become airborne dusts or fumes due solid form as a battery.

Ventilation: Battery charging area should have sufficient ventilation to dissipate hydrogen gas formed
Respiratory Protection: None.
Protective Gloves: Use rubber, latex or PVC gloves. Do not use disposable gloves.
Eye Protection: Wear safety glasses with side shields or chemical goggles or face shield when adding water.
Other Protective Equipment: An eyewash station and safety shower should be located within 10 seconds travel time of charging area. If splashing is likely, wear apron, protective clothing and/or boots as the situation calls for.

Section 9 - Physical and Chemical Properties

Appearance and Odor: A heavy rectangular object containing colorless liquid with an acidic odor.	
Odor Threshold: Not Available	**Vapor Pressure:** Not Available
pH: concentrate 12.0 ± 0.5	**Vapor Density:** Less than air.
Melting Point: Not Available	**Relative Density (Specific Gravity):** 1.23-1.35
Freezing Point: Not Available	**Solubility(ies): Water:** Electrolyte is soluble
Boiling Point, Initial: 218° F.	**Partition coefficient:** Not Available
Boiling Range: Not Available	**Auto-ignition Temperature:** Not Available
Flash Point: None. (ASTM D-56 closed cup)	**Decomposition Temperature:** Not Available
Evaporation Rate: ~1 **(Water = 1)**	**Viscosity:** Same as water.-
Flammability: (solid, gas): Flammable (hydrogen)	**Volatiles Percent:** 99%
Upper Explosive Limit: 4% (hydrogen gas)	**V.O.C.:** 0% - 0 grams/liter
Lower Explosive Limit: 77% (hydrogen gas)	

Section 10 - Stability and Reactivity

Incompatibility: Alkalis, bleach, oxidizers, reactive metals. **Hazardous Decomposition Products:** None

Section 11 - Toxicological Information

Primary Routes of Entry: _X_ Skin contact; ___ Skin absorption; ___ Inhalation; ___ Ingestion

Potential Health Effects:
Eyes - causes severe damage and may cause blindness very rapidly.
Skin - causes severe irritation which may become serious burns with permanent damage if not rinsed off quickly.
Swallowing - unlikely from battery, but would cause severe irritation and damage to mucous membranes.
Breathing - None.

Section 12 - Ecological Information

Do not dispose of batteries in the environment. Return to battery recycler.

Section 13 - Disposal Considerations

Waste Disposal Method: Neutralized spilled acid may be washed to the sanitary sewer with a large amount of water. Dispose of batteries properly by returning them to an authorized battery recycler. Recycle batteries.

Section 14 - Transport Information

D.O.T. Hazard Class: UN 2974 Battery, Wet, Filled With Acid, Corrosive Material, 8, P.G. III (Contains sulfuric acid)

Section 15 - Regulatory Information

The components of this product are on the TSCA inventory of chemical substances.

Section 313 Supplier Notification: This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and CFR 372.

Chemical Name	C.A.S. No.	% By Weight	Lbs./Gallon
Sulfuric Acid	7664-93-9	Varies, see battery data sheet.	

Section 16 - Other Information

NFPA: H:3 F:1 I:0 **HMIS® III:** H:3 F:1 P:1 These ratings estimates are to be used only with a fully implemented training program in the workplace. NFPA® is a mark registered by the NFPA. HMIS® is a mark registered by the NPCA.

Replaces sheet dated 4/28/15. Revised **IF IN EYES** statement.

The information accumulated herein is believed to be accurate but is not warranted to be. Recipients are advised to confirm in advance that the information is current, applicable, and suitable to their circumstances.