DIAMOND
Smart Lab Solutions

Safety Data Sheet

1. Product and Company Identification

Product Identifier

Product Name: CO2 Acid Reagent

Product Code: BK-A17647D

Recommended Use: For tCO2 measurement.

Company

Diamond Diagnostics Inc.
333 Fiske Street
Holliston, MA 01746

Company Phone Number 508-429-0450
Email support@diamonddiagnostics.com

Emergency Telephone No: 508-429-0450

2. Hazards Identification

GHS- Classification

Classification Corrosive

Hazard Statements

H290	May be corrosive to metals.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage

Precautionary Statements

P234	Keep only in original container.
P264	Wash skin thoroughly after handling.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301 + P330 + P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304 + P340 + P310	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor.
P305 + P351 + P338 + P310	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/doctor.
P363	Wash contaminated clothing before reuse.
P390	Absorb spillage to prevent material damage.
P405	Store locked up.
P406	Store in corrosive resistant/… container with a resistant inner liner.
P501	Dispose of contents/container to an approved waste disposal plant.

3. Composition/Information on ingredients

Chemical Name	EC No.	Reach Reg. No.	CAS-No.	Weight %	Classification
Sulfuric Acid	231-639-5	01-2119458838-20-XXXX	7664-93-9	< 7%	Met. Corr. 1; Skin Corr. 1A; Eye Dam. 1; H290, H314, H318

4. First Aid Measures

Eye Contact Flush affected area with copious amounts of water.

Skin Contact Flush affected area with copious amounts of water.

Inhalation Remove from exposure and move to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical aid.

Ingestion	Rinse mouth with water, drink large quantities of water and call a physician.
Notes to Physician	Treat symptomatically.

5. Fire-Fighting Measures

Flammable Properties	No information available
Flash Point	No information available
Suitable Extinguishing Media	Suitable for surrounding fire
Hazardous Combustion Products	No information available
Protective Equipment and Precautions for Firefighters	Self-contained breathing apparatus and protective clothing
Further Information	No information available

6. Accidental Release Measures

Personnel Precautions	Use personnel protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas.
Methods for Containment & Cleaning	Soak up with non-combustible absorbent material. Rinse affected area with copious amounts of water. Dispose of in accordance with federal, state, and local laws and regulations.
Environmental Precautions	Do not let product enter drains.

7. Handling and Storage

Handling	Avoid contact with skin and eyes. Avoid formation of dust aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventative fire protection. For precautions see section 2.2.
Storage	Keep container closed in a dry and well-ventilated place.
Specific use	See Section 1 – Recommended Use

8. Exposure Controls / Personnel

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sulfuric Acid 7664-93-9	TWA; 0.2 mg/m3	TWA; 1 mg/m3	Not listed

Engineering Measures

Showers
Eye Wash Stations
Ventilation Systems

Personnel Protective Equipment

Eye/Face Protection	Safety goggles with side-shields
Skin Protection	Wear protective gloves/clothing
Respiratory Protection	If exposure limits are exceeded or irritation is experienced; NISOH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required high airborne containment concentrations. Respiratory protection must be provided in accordance with current local regulations.
Hygiene Measures	Complete suit protecting against chemicals, Flame resistant antistatic protective clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Environment Exposure	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

9. Physical and Chemical Properties

Appearance	Clear Liquid
Odor	No information available
Odor Threshold	No information available
pH	1
Melting Point	No information available
Freezing Point	0°C
Initial Boiling Point	Approx. 100 °C
Flash Point	No information available
Evaporation Rate	Slower than ether
Flammability (solid, gas)	No information available
Upper/Lower flammability or explosive limits	No information available
Vapor pressure	< 0.001 mmHg
Vapor density	No information available
Relative density	No information available
Water Solubility	Miscible
Partition coefficient: (n-octanol/water)	No information available
Auto-ignition temperature	No information available
Decomposition Temperature °C	No information available
Viscosity	No information available
Explosive properties	No information available
Oxidizing properties	No information available

10. Stability and Reactivity

Reactivity	No information available
Chemical Stability	Stable
Incompatible Materials	Metals, Oxidizing agents, reducing agents, bases , organic materials
Hazardous Decomposition Products	Oxides of Sulfur
Hazardous Polymerization:	No information available
Conditions to avoid:	Avoid excess heat
Suggested Storage:	Store as recommended on product label

11. Toxicological Information

Acute Toxicity	No information available
Chronic Toxicity	Long term exposure to sulfuric acid mist can result in teeth erosion, irritation of respiratory tract and gastrointestinal disturbances.
Target Organ Effects	No information available
Carcinogenicity	IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC. ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by NTP.

12. Ecological Information

Ecotoxicity No information available

13. Disposal Considerations

Waste Disposal Method In accordance with applicable federal, state, and local laws and regulations.

Contaminated Packaging In accordance with applicable federal, state, and local laws and regulations.

14. Transport Information

IATA Not regulated

DOR Not regulated

15. Regulatory Information

SARA 302 Components No chemicals in this material are subject to reporting requirements of SARA Title III, Section 302.

SARA 313 Components The following components are subject to reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards Acute Health Hazard, Chronic Health Hazard

Massachusetts right to know components

	CAS-No.	Revision Date:
Sulfuric Acid	7664-93-9	2007-07-01

Pennsylvania right to know components

	CAS-No.	Revision Date:
Sulfuric Acid	7664-93-9	2007-07-01

New Jersey right to know components

	CAS-No.	Revision Date:
Sulfuric Acid	7664-93-9	2007-07-01

California Prop. 65 Components

WARNING! This product contains a chemical known to the State of California to cause cancer.

	CAS-No.	Revision Date:
Sulfuric Acid	7664-93-9	2007-09-28

16. Other Information

Issuing Date 31-December-2008

Revision Date 30-November-2015

Revision Note No information available

Recommended Restrictions No Restrictions

Disclaimer

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