



Safety Data Sheet

List No. 9210, Carbon Dioxide Standard Kit
List No. 9216, Carbon Dioxide Standard, Level (F)
List No. 9217, Carbon Dioxide Standard, 30 mM
List No. 9020, Urine Uric Acid Standard Kit

IN CASE OF EMERGENCY CALL CHEMTREC® (24 hr) 800-424-9300

SECTION 1 – PRODUCT DESCRIPTION

Product (Trade) Name: Carbon Dioxide Standard Kit, Carbon Dioxide Standard Level (F), Carbon Dioxide Standard 30 mM, Urine Uric Acid Standard Kit.

Product List Number: 9210, 9216, 9217, 9020

Product Description: Aqueous reference standard for clinical laboratory use

Other means of identification
Synonyms: calibrator, calibration verifier, linearity standard

Recommended use of the chemical and restrictions on use

Recommended use: For In Vitro Diagnostic Use

Uses advised against: No information available

Manufacturer: Verichem Laboratories, Inc.
90 Narragansett Ave.
Providence, RI 02907
(401) 461-0180

Contact us: <http://www.verichemlabs.com>

Emergency telephone number: CHEMTREC® (USA): 800-424-9300

SECTION 2 – HAZARDS IDENTIFICATION

GHS Classification:

Eye irritation	Category 2A
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GHS Label Elements: None required.

GHS Hazard statements: PHYSICAL HAZARDS:
Not classified as a physical hazard under GHS criteria.

HEALTH HAZARDS:
H319: Serious eye damage/eye irritation

ENVIRONMENTAL HAZARDS:
Not classified as an environmental hazard under GHS criteria.

OSHA Classification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Hazards not otherwise classified (HNOC): None identified

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SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

No ingredients are hazardous according to OSHA criteria.

No components need to be disclosed according to the applicable regulations.

Components	CAS No.	Weight %	Trade Secret	Synonyms
Sodium Carbonate	497-19-8	0.03 – 0.3 %	No	carbonic acid, disodium salt; soda ash
Sodium Bicarbonate	144-55-8	0.02 – 0.2 %	No	sodium hydrogen carbonate
Water	7732-18-5	> 99 %	No	deionized water, puified water
Proprietary Ingredients	Various	0.6 %	Yes	-

SECTION 4 – FIRST AID MEASURES

General Advice: Treat symptomatically and supportively.

Eye contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation develops.

Skin contact: In case of contact, immediately flush skin with plenty of water. Get medical attention if irritation develops.

Inhalation: If inhaled, remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if symptoms appear.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately.

Most important symptoms and effects, both acute and delayed

No information available.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5 – FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media: No information available.

Special hazards arising from the substance or mixture: Carbon oxides, Sodium oxides

Special Protective Actions for Firefighters

Specific Methods: No information available.

Special Protective Equipment: As in any fire, wear self-contained breathing apparatus pressure-demand,

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for Firefighters MSHA/NIOSH (approved or equivalent) and full protective gear

SECTION 6 – ACCIDENTAL RELEASE MEASURES**Personal precautions, protective equipment and emergency procedures**

Personal Precautions: Keep unnecessary personnel away. Avoid breathing vapors, mist or gas.
Use suitable protective equipment (Section 8). Follow all fire fighting procedures (Section 5).

Environmental precautions: No special environmental precautions required.

Methods and material for containment and cleaning up

Methods for containment: Keep in suitable, closed containers for disposal.
Methods for cleaning up: Soak up spills with inert solids, such as clay or diatomaceous earth. Collect spillage. Store away from other materials.

SECTION 7 – HANDLING AND STORAGE**Precautions for Safe Handling**

Technical measures/
precautions: Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Technical measures/
conditions: Keep containers tightly closed in a dry, well-ventilated place. Containers that are opened must be carefully resealed and kept upright to prevent leakage. Store at recommended temperature.

Incompatible products: No special restrictions on storage with other products

SECTION 8 – EXPOSURE CONTROL / PERSONAL PROTECTION**Control parameters**

Components with workplace control parameters:
Contains no substances with occupational exposure limit values.

Appropriate engineering controls

Engineering measures: General industrial hygiene practice.

Individual protection measures, such as personal protective equipment

Eye protection: Safety glasses with side-shields are recommended for laboratory and manufacturing use.
Hand protection: Use chemical resistant, impervious gloves.
Skin and body protection: Work uniform or laboratory coat.

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Respiratory protection: No personal respiratory protective equipment normally required.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid.	Appearance: Clear	Color: Colorless
Odor: None.	Taste No data available	Molecular/Formula weight: No data available.
Formula: No data available.	Flash point (°C): No data available.	Flashpoint (°C/°F): No data available.
Flash Point Tested according to: No data available.	Lower Explosion Limit (%): No data available.	Upper Explosion Limit (%): No data available.
Auto-ignition Temperature (°C/°F): No data available.	pH: 9.8	Melting point/range (°C/°F): No data available.
Boiling point/range (°C/°F): No data available.	Decomposition temperature (°C/°F): No data available.	Bulk density: No data available.
Specific gravity: No data available.	Vapor pressure @ 20°C (kPa): No data available.	Density (g/cm3): No data available.
Evaporation rate: No data available.	Vapor density: No data available.	VOC content (g/L): No data available.
Odor threshold (ppm): No data available.	Partition coefficient (n-octanol/water): No data available.	Viscosity: No data available.
		Solubility: Soluble in water

Other safety information: No data available

SECTION 10 – STABILITY AND REACTIVITY

<u>Reactivity</u> No data available	<u>Incompatible materials</u> Strong acids
<u>Chemical Stability</u> Stable under recommended storage conditions.	<u>Hazardous Decomposition Products</u> No data available.
<u>Possibility of Hazardous Reactions</u> None under normal processing.	
<u>Conditions to Avoid</u> No information available.	

SECTION 11 – TOXICOLOGY INFORMATION

Information on likely routes of exposure

Inhalation: Inhalation not likely under normal use conditions.

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Eye contact: May cause irritation and/or allergic reactions.

SECTION 11 – TOXICOLOGY INFORMATION

Skin contact: May cause irritation and/or allergic reactions.

Ingestion: Hypersensitivity (may include drug fever, rash, itching, anaphylaxis).

Information on Toxicological Effects

Symptoms: No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Acute toxicity No data available

Inhalation: No data available

Dermal: No data available

Skin corrosion/irritation: No data available

**Serious eye damage/
eye irritation:** No data available

**Respiratory or skin
Sensitization:** No data available

Germ cell mutagenicity: No data available

SECTION 11 – TOXICOLOGY INFORMATION**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 a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: Reproductive studies have not been conducted on the product itself.

STOT - single exposure: No information available.

STOT - repeated exposure: No information available.

Aspiration Hazard: No information available.

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SECTION 11 – TOXICOLOGY INFORMATION**Additional Information**

RTECS: Not available

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Numerical measures of toxicity - Product Information

Unknown Acute Toxicity: No information available.

SECTION 12 – ECOLOGICAL INFORMATION**Ecotoxicity**

No information available.

Persistence and degradability

No information available.

Bioaccumulative potential

No information available

Mobility in soil

No information available.

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

Other adverse effects:

No information available.

SECTION 13 – DISPOSAL CONSIDERATIONS**Disposal Methods**

Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging:

Empty containers should be taken for local recycling, recovery or waste disposal in accordance with Federal, State and Local regulation.

SECTION 14 – TRANSPORTATION INFORMATION

DOT: Not Regulated

TDG (Canada): Not Regulated

ADR: Transport Document Description

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IMO / IMDG Not Regulated
IATA: Not Regulated

SECTION 15 – REGULATORY INFORMATION

U.S. Regulations:

TSCA Inventory List: The product is exempt from TSCA. It is FDA Regulated.

OTHER REGULATIONS:

SARA 302 Components

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

SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Hazards

Acute Health Hazard

STATE REGULATIONS:

Component	California Prop. 65	Minnesota Right-To -Know:	Florida Right-to-Know Reporting	Rhode Island Right-to-Know:	Massachusetts Right-to-Know :	Pennsylvania Right-to-Know:	New Jersey Right-to-Know:
Sodium Carbonate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Present
Sodium Bicarbonate	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Proprietary Ingredients	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

Canada DSL Inventory List - Present (Sodium Carbonate, 497-19-8 and Sodium Bicarbonate, 144-55-8)

WHMIS hazard class: Non-controlled

Canada Controlled Products Regulation: Not classified

EU Classification:

R-phrases)

Not applicable

S -phrase(s)

S2 - Keep out of the reach of children.

Components	Classification	Concentration Limits:	Safety Phrases
Sodium Carbonate	Not regulated	No information	S2
Sodium Bicarbonate	Not regulated	No information	S2
Proprietary Ingredients	Not applicable	Not applicable	Not applicable

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SECTION 16 – OTHER INFORMATION

NFPA	HMIS III	Personal Protective Equipment
		
		See Section 8.

NFPA Hazard Ratings

NFPA health hazard: 2 – Materials that can cause incapacitation or residual injury, during intense or continued exposure, unless prompt medical treatment is provided.

NFPA fire hazard: 0 – Not combustible

NFPA reactivity: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Ratings

Health : 2 - Temporary or minor injury may occur.

Flammability: 0 - Minimal Hazard

Physical: 0 - Minimal Hazard

Personal Protection: C - (Safety Glasses, Gloves, Protective Clothing)

SECTION 16 – OTHER INFORMATION

SDS US (GHS HazCom 2012)

Preparation Date: July 26, 2016
Prepared by: Anthony DiMonte

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Disclaimer: All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Verichem Laboratories, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Verichem Laboratories assumes no responsibility for the completeness or accuracy of the information contained herein.

End of Safety Data Sheet