

## Safety Data Sheet

According to: ANSI Z400.1/Z129-1-2010

### EON® Carbon Dioxide Calibrator Kit

Product code: 79125

#### SECTION 1: Identification of the Substance/Mixture and of the Company/Undertaking

**Product identifier:**

Trade names: Eon Carbon Dioxide Calibrator Kit  
Product Code: 79125

**Chemical characterization:** Sodium Chloride. This kit contains two reagents of an aqueous solution determined not to be hazardous.

**Manufacturer:**

ELITechGroup Inc.  
370 West 1700 South  
Logan, UT 84321 USA  
Telephone: +1 (435) 752-6011

Telefax: +1 (435) 752-4127  
Email: [gara\\_ebs@elitechgroup.com](mailto:gara_ebs@elitechgroup.com)

**Supplier:**

Vital Diagnostics  
27 Wellington  
Lincoln, Rhode Island 02865 USA  
Telephone: +1 (401) 642-8400

**Emergency telephone:**

Calls within the USA: +1 (800) 535-5053  
Calls outside the USA: +1 (352) 323-3500 (call collect)  
Global response access code: 90104

#### SECTION 2: Hazards Identification

GHS – Label Symbol(s): None  
GHS – Signal Word(s): **WARNING**

**Human Health:**

H303 – May be harmful if swallowed  
H313 – May be harmful in contact with skin  
H320 – Causes eye irritation  
H333 – May be harmful if inhaled

**Safety Hazard:**

No specific hazards under normal use conditions.

**Environmental Hazard:**

No specific hazards under normal use conditions.

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#### Other information:

NFPA rating:



### SECTION 3: Composition/Information on Ingredients

**Preparation Description:** This kit contains two reagents of an aqueous solution determined not to be hazardous.

#### Hazardous components

| Name  | CAS       | EINECS    | Proportion | Health Hazards         | R Phrase |
|---|-----------|-----------|------------|------------------------|----------|
| <b>Carbon Dioxide Calibrator</b>                            |           |           |            |                        |          |
| Water and other constituents determined not to be hazardous | -         | -         | 100%       | H303, H313, H320, H333 |          |
| <b>Saline</b>   |           |           |            |                        |          |
| Sodium Chloride   | 7647-14-5 | 231-598-3 | >=0.5-<=1% |                        |          |
| Water and other constituents determined not to be hazardous |           |           | >=99%      |                        |          |

**Further Information:** Note: This hazard characteristic refers to the properties of pure ingredients, for the identification of the preparation (product), see Sections 2 and 15.

### SECTION 4: First Aid Measures

**Inhalation:** In the unlikely event of dizziness or nausea, remove casualty to fresh air.

**Skin:** Remove contaminated clothing and wash affected skin with soap and water. If symptoms develop seek medical attention.

**Eye:** Flush eye with copious quantities of water. Seek medical advice if effects persist.

**Ingestion:** Do not induce vomiting. Wash out mouth thoroughly with water. Seek medical attention.

**Advice to Doctor:** Treat symptomatically.

### SECTION 5: Fire-fighting Measures

**Specific Hazards:** None.

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**Extinguishing Media:** N/A. This product is non-flammable.

**Special Fire Fighting Procedures:** N/A.

#### SECTION 6: Accidental Release Measures

**Precautions to protect environment:** Prevent contamination of soil, drains and surface water.

**Spills clean- up methods:** Avoid dry sweeping or other methods which raise dust. Vacuum or we-sweep and place into a suitable closable, labelled container for disposal. Wash the area clean with water and detergent, observing environmental requirements.

#### SECTION 7: Handling and Storage

**Handling:** Keep containers closed when not in use.

**Storage:** Store in original container in a cool, dry, well-ventilated area.

#### SECTION 8: Exposure Controls/Personal Protection

**Exposure limits:** No exposure limit established.

**Ventilation:** Provide adequate general and local exhaust ventilation.

**Protective gloves:** Wear protective gloves.

**Eye protection:** Use eye protection if eye contact is likely.

**Body protection:** Wear personal protective equipment appropriate to the quantity of material handled.

**Hygienic work practices:** SKIN PROTECTION – apply barrier cream to hands and exposed skin.  
Regularly vacuum dust to minimise the potential of air-borne exposure.

#### SECTION 9: Physical and Chemical Properties

|                           |   |
|---------------------------|---|
| <b>Colour:</b>            | Carbon Dioxide Calibrator: Clear, colourless<br>Saline: Clear, Colourless |
| <b>Appearance / Form:</b> | Liquid.   |
| <b>Odour:</b>             | Ordourless  |
| <b>Odour Threshold:</b>   | Not available   |
| <b>pH Value</b>           | Not established   |
| <b>Vapour Pressure</b>    | Not established   |
| <b>Boiling Point</b>      | Not established   |

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|                                       |                                      |
|---------------------------------------|--------------------------------------|
| <b>Melting Point</b>                  | Similar to water                     |
| <b>Solubility in Water</b>            | Soluble                              |
| <b>Solubility in Organic Solvents</b> | Not applicable                       |
| <b>Specific Gravity (H2O=1)</b>       | Saline: 1.000g/cm <sup>3</sup> @20°C |
| <b>Flash Point</b>                    | Not available                        |
| <b>Flammable Limits</b>               | Non combustible                      |
| <b>Auto-Ignition Temperature</b>      | Not applicable                       |
| <b>Kinematic Viscosity</b>            | Not available                        |
| <b>Evaporation Rate</b>               | Not available                        |
| <b>Vapour Density (Air=1)</b>         | Not available                        |

#### SECTION 10: Stability and reactivity

**Stability:** Stable under normal conditions of use.

**Materials to Avoid:** Reactions with concentrated acids will liberate hydrogen chloride.

#### SECTION 11: Toxicological information

**Inhalation:** High concentration of dust may cause transient irritation to the upper respiratory tract.

**Ingestion:** Ingestion of small amounts is unlikely to cause any adverse effects. Ingestion of (excessive amounts) may cause vomiting, nausea, convulsions.

**Skin:** Repeated or prolonged contact may cause mild irritation and/or drying (defatting) of skin.

**Eyes:** May cause eye irritation, burning sensation or lachrymation.

**Health warnings:** Repeated or prolonged contact may cause disturbance of body electrolyte.

**Other health effects:** Evidence of reproductive effects.

#### SECTION 12: Ecological information

**Ecological Information:** No specific data or information available regarding environmental impact. Regarded as having low toxicity to aquatic organisms.

**Mobility:** Soluble in water. Predicted to have high mobility in soil.

#### SECTION 13: Disposal considerations

**Disposal method:** Disposal should be in accordance with the principles of Duty of Care observing local and national regulations.

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#### SECTION 14: Transport information

**Transport Information:** Not dangerous for transport under DOT, IMO, and IATA/ICAO codes.

**IMDG Hazard Class:** None Allocated.

**IMDG Packaging Group:** None Allocated.

**IATA Hazard Class:** None Allocated.

**IATA Packaging Group:** None Allocated.

**DOT Packing Group:** None Allocated.

#### SECTION 15: Regulatory information

|                   |                        |
|-------------------|------------------------|
| <b>TSCA (USA)</b> | All components listed. |
|-------------------|------------------------|

**California Proposition 65:** Not listed.

**SARA (313) Chemicals:** Not listed.

#### SECTION 16: Other information

**Other data:** The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

**Date of Release:** 2014-July

**Reason for change:** Initial Release

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*