

MATERIAL SAFETY DATA LEAFLET

PRODUCT: CARBON DIOXIDE TEST KIT

DATE OF ISSUE: 18TH March 2014

STATEMENT OF HAZARDOUS NATURE: Not hazardous according to Worksafe criteria

COMPANY DETAILS

Company Name: Aquasonic Pty Ltd
Address: 14 Commerce St WAUCHOPE NSW 2446
Emergency Telephone: (02) 6586 4933
Fax: (02) 6586 4944 Email: accounts@aquasonic.com.au

IDENTIFICATION

Trade Name: Aquasonic Carbon Dioxide Test Kit Reagents 1 and 2
UN Number: None Allocated
DG Class: None Allocated
Packing Group: None Allocated
Hazchem Group: None Allocated
Poisons Schedule: Not Scheduled
Product Use: A two pack test kit to measure carbon dioxide levels in sea and salt water.

REAGENT 1

PHYSICAL DATA

Physical and Chemical Properties

Appearance: Clear colourless liquid
Odour: Odour of alcohol
Specific Gravity: About 0.92
Boiling Point: About 80°C
Flash Point: No Data
Melting Point: N/A
Ingredients: A solution of phenolphthalein in an alcohol/water (50:50)
Flammability: Flammable at high temperatures

Chemical Properties

pH: About 7.0
Odour: Strong smell of alcohol

Product: CARBON DIOXIDE TEST KIT

REAGENT 1

Date: 18TH March 2014

OTHER PROPERTIES

Form: Clear colourless liquid

Other Information: Water soluble

STABILITY AND REACTIVITY

Stability: Stable under normal conditions of use and storage.

Incompatibilities: Nitric acid and strong oxidizing agents such as chlorinated compounds

Instable Conditions: Excessive temperatures

Decomposition Temperatures: Not established

Decomposition Products: Toxic fumes of carbon dioxide and carbon monoxide. May also release toxic and irritating vapours.

HEALTH HAZARD INFORMATION

Health Effects

Acute – Swallowed: Ingestion may cause effects similar to inhalation. Symptoms include sore throat, vomiting and diarrhoea.

Chronic: prolonged or repeated exposure will cause effects similar to acute exposure leading to severe stomach damage.

Acute – Eye: Will give rise to severe irritation to the eye. Exposure to the vapour may cause intense watering and irritation to eyes.

Acute – Skin: Prolonged skin contact will give rise to irritation.

Acute – Inhaled: Inhalation may cause irritation to the lining of the nose, throat and lungs. Breathing difficulties may occur.

FIRST AID

Swallowed: If swallowed seek medical advice immediately. Do not induce vomiting. Give large quantities of milk or water. Never give anything by mouth to an unconscious person. Contact the Poisons Information Centre (Ph 131 126)

Eye: Immediately irrigate the affected eye(s) with cold running water for 15 minutes lifting lower and upper eyelids occasionally and if discomfort persists, seek medical advice

Inhaled: Wear effective mask, if inhaled move to fresh air. Supply oxygen. If not breathing give artificial respiration. Seek medical advice.

Skin: Wash with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before re-use. Call a doctor if irritation persists.

PRODUCT: CARBON DIOXIDE TEST KIT REAGENT 1 / 2

DATE: 18TH March 2014

PRECAUTIONS FOR USE

Exposure Limits: Not Applicable
Personal Protection: Wear protective gloves when handling.
Flammability: Flammable, will support combustion. Will burn.

SAFE HANDLING INFORMATION

Storage and Transport

Storage Precautions: Store in a cool dry place away from incompatible chemicals

Spills and Disposal

Spills and Disposal: Keep unnecessary people away. Wear protective clothing equipment.
Sweep up and place in a clean, dry container for later disposal.
Dispose of in accordance with local, state and federal regulations. Do not flush to sewer

PRODUCT: CARBON DIOXIDE TEST KIT REAGENT 2

DATE: 24TH JUNE 2009

PHYSICAL DATA

Physical Data

Appearance: Clear colourless liquid
Odour: Odourless
Specific Gravity: About 1.00g/mL
Boiling Point: 100^oC
Flash Point: N/A
Melting Point: N/A
Ingredients: A dilute solution of sodium hydroxide in water
Flammability: Not flammable

Chemical Properties

pH: About 11.0
Odour: Odourless

Other Properties

Form: Clear colourless liquid

STABILITY AND REACTIVITY

Stability: Stable under ordinary conditions of use and storage
Incompatibilities: None
Instable Conditions: N/A
Decomposition Temperature: N/A
Decomposition Products: N/A

PRODUCT: CARBON DIOXIDE TEST KIT REAGENT 2

DATE: 18TH March 2014

HEALTH HAZARD INFORMATION

Health Effects

- Acute – Inhaled: Inhalation may cause very slight irritation to the nose, throat and lungs due to the slightly alkaline nature of the solution in the reagent.
- Acute – Swallowed: Ingestion may cause effects similar to inhalation. Symptoms may include sore throat, vomiting and diarrhoea
Chronic: Prolonged or repeated exposure will cause effects similar to acute exposure, leading to severe stomach damage.
- Acute – Eye: Will give rise to irritation with symptoms of redness, swelling, itching and pain.
- Acute – Skin: Prolonged skin contact may give rise to irritation with symptoms of redness, swelling, itching and pain.
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First Aid

- Swallowed: If swallowed seek medical advice immediately. Do not induce vomiting. Give large quantities of milk or water. Never give anything by mouth to an unconscious person. Contact the Poisons Information Centre (Ph 131 126)
- Eye: Immediately irrigate the affected eye(s) with cold running water for 15 minutes lifting lower and upper eyelids occasionally and if discomfort persists, seek medical advice.
- Inhaled: Wear effective mask, if inhaled move to fresh air. Supply oxygen. If not breathing give artificial respiration. Seek medical advice.
- Skin: Wash with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Call a doctor if irritation persists.
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PRECAUTIONS FOR USE

- Exposure Limits: Not applicable
- Personal Protection: Wear protective gloves when handling
- Flammability: Not inflammable, will not support combustion. Will not burn.
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SAFE HANDLING INFORMATION

Storage and Transport

Storage precautions: Store in a cool dry place away from incompatible chemicals

Spills and Disposal

Spills and disposal: Keep unnecessary people away. Wear protective clothing equipment. Sweep up and place in a clean, dry container for later disposal. Dispose of in accordance with local, state and federal regulations. Do not flush to sewer.

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FIRE/EXPLOSION HAZARD

Flash Point: None

Extinguishing Media: None, non-flammable. Media appropriate for surrounding fire.

Fire/Explos. Hazard: None

Hazchem Code: None allocated

OTHER INFORMATION

Information on Ecological Effects: Not Available