



## SAFETY DATA SHEET

KH/Alkalinity (Foundation B) -Liquid

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Date of issue: 09/08/2015

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Version no.: 2

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### **Product identifier 1.1**

Product name: KH/Alkalinity (Foundation B) -Liquid 500,1000, 5000 ml

Product code: R22023, R22024, R22025

#### **1.2 Relevant identified uses of the substance or mixture and uses advised against**

Aquarium water supplement.

#### **1.3 Details of the supplier of the safety data sheet**

Red Sea Fish Pharm Ltd  
Free Trade Industrial Zone  
Eilat 88000  
Israel  
Tel: +972-9-9567107

**E-mail address of person responsible for this SDS:** [sharonr@redseafish.com](mailto:sharonr@redseafish.com)

#### **1.4 Emergency telephone number**

**Emergency telephone number (with hours of operation):** N/A

### SECTION 2: Hazards identification

#### **2.1 Classification of the substance or mixture**

Classification according to 29 CFR 1910.1200 (OSHA HCS):

Eye Irrit. 2A H319

Classification in accordance to Regulation (EC) No. 1272/2008 (CLP):

Eye Irrit. 2 H319

See section 16 for the full text of the H-statements declared above.

#### **2.2 Label elements**

Labelling according to 29 CFR 1910.1200 (OSHA HCS)

Hazard pictogram(s):



Signal word: Warning

Hazard statement(s):

H319: Causes serious eye irritation.

Precautionary Statement(s):

P102: Keep out of reach of children.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313: If eye irritation persists: Get medical advice/attention.

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Labelling in accordance with Regulation 1272/2008 (CLP)

Hazard pictogram(s):



Signal word: Warning

Hazard statement(s):

H319: Causes serious eye irritation.

Precautionary Statement(s):

P102: Keep out of reach of children.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313: If eye irritation persists: Get medical advice/attention.

### 2.3 Other hazard

Not available

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures:

Substance name	Identifiers	%	CLP Classification	OSHA HCS Classification
Sodium carbonate	CAS number: 497-19-8 EC number: 207-838-8	10-25	Eye Irrit. 2 H319	Eye Irrit. 2A H319
Potassium carbonate	CAS number: 584-08-7 EC number: 209-529-3	1-5	Acute Tox. 4 H302 Skin Irrit. 2 H315 Eye Irrit. 2 H319 STOT SE 3 H335	Acute Tox. 4 H302 Skin Irrit. 2 H315 Eye Irrit. 2A H319 STOT SE 3 H335

See section 16 for the full text of the H-statements declared above.

**There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.**

**Occupational exposure limits, if available, are listed in section 8.**

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**Eyes contact:** In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes. Get medical attention.

**Skin contact:** Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Get medical attention.

**Inhalation:** Remove the victim from site of exposure to fresh air. If breathing is difficult, give oxygen. If not breathing give artificial respiration. Get medical attention.



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**Ingestion:** **Do not induce vomiting.** If victim is conscious, wash mouth thoroughly with plenty of water. Never give anything by mouth to an unconscious person. Get medical attention.

### **4.2 Most important symptoms and effects, both acute and delayed**

See section 2.2 (Label elements) and/or section 11 (Toxicological information) for the most important known symptoms and effects.

### **4.3 Indication of any immediate medical attention and special treatment needed**

Not available

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## **SECTION 5: Fire-fighting measures**

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### **5.1 Extinguishing media**

Suitable: Use extinguishing media suitable to the surroundings such as, dry chemical powder, chemical foam, water spray and carbon dioxide.

Not suitable: N/A

### **5.2 Special hazards arising from the substance or mixture**

The preparation is water based and not combustible or explosive. When heated sufficiently, product may decompose to form smoke and toxic fumes, gases or vapours that may cause dizziness. Toxic fumes such as carbon, sodium and potassium oxides may be evolved on thermal decomposition.

### **5.3 Advice for firefighters**

**Special protective equipment for fire fighters:** Fire fighters should wear full protective clothing and self-contained breathing apparatus in positive pressure mode.

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## **SECTION 6: Accidental release measures**

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### **6.1 Personal precautions, protective equipment and emergency procedures**

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Ventilate area of spill.

### **6.2 Environmental precautions**

Prevent entry into waterways, sewers, basements or confined areas.

### **6.3 Methods and materials for containment and cleaning up**

Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations.

### **6.4 Reference to other sections**

See Section 1 for emergency contact information.

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## **SECTION 7: Handling and storage**

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### **7.1 Precautions for safe handling**

Avoid contact with skin and eyes. Avoid inhalation of vapors, mist or gas. Wash thoroughly after handling. Handle in accordance with good industrial hygiene and safety practice.

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also section 8 for additional information measures.



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### **7.2 Conditions for safe storage, including any incompatibilities**

**Storage:** Keep only in original container. Avoid large temperature changes and store in a cool, dry, well ventilated environment and away from direct sunlight. Keep containers closed when not in use. Keep away from strong acids and strong oxidizing compounds.

### **7.3 Specific end use(s):** N/A

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## **SECTION 8: Exposure control/personal protection**

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### **8.1 Control parameters**

Occupational exposure limits: N/A

### **8.2 Exposure controls**

#### Engineering measures

Use process enclosures, local exhaust ventilation, or others engineering controls to keep airborne levels below recommend exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

#### Person protective measures

Respiratory protection: Disposable particulate mask. Be sure to use an approved/certified equipment or equivalent equipment. Wear appropriate respirator when ventilation is inadequate.

Hand protection: Wear protective gloves to prevent skin exposure.

Eye protection: Wear protective safety glasses.

Skin protection: Wear appropriate long-sleeved clothing to minimize skin contact.

During normal non-professional use of the preparation no personal protective equipment is required. However, in case of manufacture or spillage, use as appropriate to the size of the spill.

Environmental exposure controls: Not available

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## **SECTION 9: Physical and chemical properties**

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### **9.1 Information on basic physical and chemical properties**

Appearance: clear liquid

Odour: none

Odour threshold: N/A

pH: N/A

Melting point/Freezing point: N/A

Initial boiling point/boiling range: N/A

Flash point: N/A

Evaporation rate: N/A

Flammability: non-combustible

Upper/lower flammability or explosive limits: N/A

Vapor pressure: N/A

Vapor density: N/A

Relative Density: N/A

Solubility(ies): completely soluble in water

Partition coefficient Octanol/Water: N/A

Auto-ignition temperature: N/A

Decomposition temperature: N/A

Viscosity: N/A

Explosive properties: N/A



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Oxidizing properties: N/A

### **9.2 Other information**

Not available

## **SECTION 10: Stability and reactivity**

### **10.1 Reactivity**

Not available.

### **10.2 Chemical stability**

The product is stable under normal handling and storage conditions described in Section 7.

### **10.3 Possibility of hazardous reactions**

Hazardous reactions are not expected, under normal conditions of storage and use.

### **10.4 Conditions to avoid**

Long term exposure to heat and direct sunlight.

### **10.5 Incompatible materials**

Strong acids, strong oxidizing compounds.

### **10.6 Hazardous decomposition products**

Other decomposition products: not available

In the event of fire: see section 5

## **SECTION 11: Toxicological information**

### **11.1 Information on toxicological effects**

Acute toxicity:

Product/substance name	Test	Species	Dose
Sodium carbonate	LD50, Oral	Rat	4090 mg/kg
	LC50, Inhalation	Rat	2300 mg/m <sup>3</sup> /2H
Potassium carbonate	LD50, Oral	Rat	1870 mg/kg

Skin corrosion/irritation: Not available

Serious eye damage/irritation: Not available

Respiratory or skin sensitization: No compounds present in the preparation have been identified as having sensitizing properties.

Germ cell mutagenicity: No compounds present in the preparation have been identified as having mutagenic properties.

Carcinogenicity: No compounds present in the preparation have been identified as having carcinogenic properties.

Reproductive toxicity: No compounds present in the preparation have been identified as having reproductive toxicity properties.

Specific target organ toxicity (single exposure): Not available

Specific target organ toxicity (repeated exposure): Not available



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Aspiration hazard: Not available

Other effects:

May cause irritation to skin in certain individuals, while inhalation of spray or mist could irritate the respiratory system and ingestion may irritation of the linings of the mouth, throat and gastro-intestinal tract.

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### SECTION 12: Ecological information

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#### 12.1 Toxicity

Not available

#### 12.2 Persistence and Degradability

Compounds present in the preparation would be readily bio-degradable in the environment.

#### 12.3 Bioaccumulative potential

Not available

#### 12.4 Mobility in soil

Though there is no specific information on the mobility of compounds in the preparation, they are soluble under normal environmental conditions in water so would also be expected to be highly mobile in soil.

#### 12.5 Results of PBT and vPvB assessment

Not available

#### Other adverse effects 12.6

No components in KH/Alkalinity (Foundation B) -Liquid have been shown to be hazardous to aquatic organisms. However, the preparation is strongly alkaline so may be inadvertently hazardous to aquatic organisms

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### SECTION 13: Disposal considerations

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#### 13.1 Waste treatment methods

##### Product

Waste must be disposed of in accordance with federal, state and local environmental control regulations.

##### Packing

Empty containers should be taken for local recycling, recovery or waste disposal.

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### SECTION 14: Transport information

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#### 14.1 Un number

ADR/RID: -

IMDG: -

IATA: -

DOT (US): -

#### 14.2 UN proper shipping name

ADR/RID: Not regulated

IMDG: Not regulated

IATA: Not regulated

DOT (US): Not regulated

#### 14.3 Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: -

DOT (US): -



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### **14.4 Packing group**

ADR/RID: -

IMDG: -

IATA: -

DOT (US): -

### **14.5 Environmental hazard**

ADR/RID: -

IMDG: -

IATA: -

DOT (US): -

### **14.6 Special precautions for user**

Not available

### **14.7 Transport to bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not available

## **SECTION 15: Regulatory information**

This SDS complies with the following requirements of:

EU Directives 67/548/EEC (DSD) and 1999/45/EC (DPD), including amendments

EU Regulation (EC) No.1907/2006 (REACH) including amendments

Regulation (EC) No.1272/2008 (CLP)

29 CFR 1910.1200 (OSHA HCS)

### **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

#### California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

#### TSCA inventory

All components of the product are listed in the TSCA inventory.

### **15.2 Chemical safety assessment**

Not available

## **SECTION 16: Other information**

### **NFPA Rating**

Health hazard: 2

Fire Hazard: 0

Reactivity Hazard: 0

### **Full text of Hazards Statements referred to in sections 2 and 3:**

Eye Irrit.- Eye irritation

Skin Irrit. - Skin irritation

Acute Tox.- Acute toxicity

STOT SE - Specific target organ toxicity — single exposure

H302: Harmful if swallowed.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

Training advice: Before using/handling the product one must read carefully present SDS.



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### Key Legend Information:

CAS - Chemical Abstract Service

ACGIH - American Conference of Governmental Industrial Hygienists

OSHA - Occupational Safety and Health Administration

NTP - National Toxicology program

IARC - International Agency for Research on Cancer

N/A - Not available

R-phrases- Risk phrases

H-statements- Hazard statements

TLV - Threshold Limit Value

TWA - Time-weighted average

STEL - Short-Term Exposure Limit

CSA - Chemical safety assessment

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