SAFETY DATA SHEET

Date of issue: 03/08/2016 Date of revision: 17/08/23 Version no.: 2

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

Product identifier 1.1
Product name: Potassium+ (Trace-Colors B) - 500, 5000ml
Product code: R22053, R22055

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

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):
Not classified

Classification in accordance to Regulation (EC) No. 1272/2008 (CLP):
Not classified

2.2 Label elements

Labelling according to 29 CFR 1910.1200 (OSHA HCS)
Hazard pictogram(s): Not required
Signal word: Not required
Hazard statement(s): Not required
Precautionary Statement(s): Not required

Labelling in accordance with Regulation 1272/2008 (CLP)
Hazard pictogram(s): Not required
Signal word: Not required
Hazard statement(s): Not required
Precautionary Statement(s): Not required

2.3 Other hazard
Not available

SECTION 3: Composition/information on ingredients

3.2 Mixtures:

Substance name	Identifiers	%	CLP Classification	OSHA HCS Classification
Disodium tetraborate decahydrate	CAS number: 1303-96-4 EC number: 215-540-4	1-5	Repr. 1B H360FD	Repr. 1B H360

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.

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

SECTION 5: Fire-fighting measures

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 borane/boron oxides, hydrogen chloride, potassium and sodium 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.

SECTION 6: Accidental release measures

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.

SECTION 7: Handling and storage

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.

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, strong oxidizing and reducing agents.

7.3 Specific end use(s): N/A

SECTION 8: Exposure control/personal protection

8.1 Control parameters

Occupational exposure limits:

Substance name	Occupational exposure limits
Disodium tetraborate decahydrate	ACGIH-TLV 2 mg/m^3 (TWA), 6 mg/m^3 (STEL), inhal. NIOSH-REL 5 mg/m^3 (TWA), 10H

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: Suitable respirator. 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

SECTION 9: Physical and chemical properties

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
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 and reducing agents.

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:

Substance name	Test	Species	Dose
Disodium tetraborate decahydrate	LD50, Oral	Rat	2660 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: Not available

Carcinogenicity: Not available

Reproductive toxicity: The preparation contains Sodium tetraborate decahydrate, but at levels below the threshold for classification. This compound has been found to have effects on reproduction and fertility.

Specific target organ toxicity (single exposure): Not available

Specific target organ toxicity (repeated exposure): Not available

Aspiration hazard: Not available

Other effect: Not available

SECTION 12: Ecological information

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 Potassium + (Trace- Color B) have been shown to be hazardous to aquatic .organisms

SECTION 13: Disposal considerations

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.

SECTION 14: Transport information

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): -

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 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

Disodium tetraborate decahydrate:
Included in the Candidate List of Substances of Very High Concern (SVHC) according to Regulation (EC) No. 1907/2006 (REACH), toxic for reproduction (article 57c).

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
The substances in this preparation are included on or exempted from the TSCA inventory.

15.2 Chemical safety assessment
Not available

SECTION 16: Other information

Full text of Hazards Statements referred to in sections 2 and 3:
Repr. - Reproductive toxicity
H360: May damage fertility or the unborn child.
H360FD: May damage fertility. May damage the unborn child.

NFPA Rating
Health hazard: 0 Fire Hazard: 0 Reactivity Hazard: 0

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

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
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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