SAFETY DATA SHEET

Date of issue: 09/08/2016 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: Ammonia MarineTest Kit
Product code: R21460

1.2 Relevant identified uses of the substance or mixture and uses advised against
Aquarium water quality test kit.

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):

Ammonia test kit

Reagent A	Reagent B	Reagent C
Not classified	Met. Corr. 1 H290 Skin Corr. 1A H314 Aquatic Acute 2 H401	Not classified

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

Ammonia test kit

Reagent A	Reagent B	Reagent C
Not classified	Met. Corr. 1 H290 Skin Corr. 1A H314 EUH031	Not classified

2.2 Label elements
Labelling according to 29 CFR 1910.1200 (OSHA HCS)

Ammonia test kit- Reagent A

Hazard pictogram(s): Not required
Signal word: Not required Hazard statement(s): Not required
Precautionary Statement(s): Not required

Ammonia test kit- Reagent B

Hazard pictogram(s):



Signal word: Danger

Hazard statement(s):
H290: May be corrosive to metals.
H314: Causes severe skin burns and eye damage.
H401: Toxic to aquatic life.

Precautionary Statement(s):
P102: Keep out of reach of children.
P234: Keep only in original packaging.
P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P330 + P331 + P310: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON Center or doctor/physician.
P303 + P361 + P353 + P310: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. Immediately call a POISON Center or doctor/physician.
P305 + P351 + P338 + P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON Center or doctor/physician.
P363: Wash contaminated clothing before reuse.
P273: Avoid release to the environment.

Ammonia test kit- Reagent C

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)

Ammonia test kit- Reagent A

Hazard pictogram(s): Not required
Signal word: Not required Hazard statement(s): Not required
Precautionary Statement(s): Not required

Ammonia test kit- Reagent B

Hazard pictogram(s):



Signal word: Danger

Hazard statement(s):
H290: May be corrosive to metals.
H314: Causes severe skin burns and eye damage.

Precautionary Statement(s):
P102: Keep out of reach of children.
P234: Keep only in original container.
P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301 + P330 + P331 + P310: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON Center or doctor/physician.

P303 + P361 + P353 + P310: IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower. Immediately call a POISON Center or doctor/physician.
P305 + P351 + P338 + P310: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON Center or doctor/physician.
P363: Wash contaminated clothing before reuse.

Supplemental Hazard information (EU): EUH031:
Contact with acids liberates toxic gas.

Ammonia test kit- Reagent C

Hazard pictogram(s): Not required
Signal word: Not required Hazard statement(s): Not required
Precautionary Statement(s): Not required

2.3 Other hazard

Ammonia test kit - Reagent B
Hazards not otherwise classified (HNOC) or not covered by GHS: Contact with acids liberates toxic gas.

SECTION 3: Composition/information on ingredients

3.2 Mixtures:

Ammonia test kit - Reagent A

Substance name	Identifiers	%	CLP Classification	OSHA HCS Classification
Sodium salicylate	CAS number: 54-21-7 EC number: 200-198-0	5-10	Acute Tox. 4 H302 Eye Irrit. 2 H319	Acute Tox. 4 H302 Eye Irrit. 2A H319

Ammonia test kit - Reagent B

Substance name	Identifiers	%	CLP Classification	OSHA HCS Classification
Sodium hypochlorite (7% Cl_2 Sol)	CAS number: 7681-52-9 EC number: 231-668-3	5-10	Skin Corr. 1B H314 Aquatic Acute 1 H400 EUH031	Skin Corr. 1B H314 Aquatic Acute 1 H400
Sodium hydroxide	CAS number: 1310-73-2 EC number: 215-185-5	5-10	Skin Corr. 1A H314	Skin Corr. 1A H314

Ammonia test kit - Reagent C

Substance name	Identifiers	%	CLP Classification	OSHA HCS Classification
Sodium nitroprusside	CAS number: 14402-89-2 EC number: 238-373-9	<1	Acute Tox. 3 H301	Acute Tox. 3 H301

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 reagents tend to be water based and are 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 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

For liquid: 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.
For solid: Pick up and place in a suitable container for reclamation or disposal, using a method that does not generate dust.

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 acids, alkalis, oxidizing compounds and metals.

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

SECTION 8: Exposure control/personal protection

8.1 Control parameters

Substance name	Occupational exposure limits
Sodium hydroxide	ACGIH-TLV 2 mg/m^3 (CEIL) OSHA-PEL 2 mg/m^3 (TWA) NIOSH-REL 2 mg/m^3 (CEIL), 15M

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: Wear appropriate respirator when ventilation is inadequate. Be sure to use an approved/certified equipment or equivalent equipment.
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 chemical kit 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

Ammonia pro test kit

	Reagent A	Reagent B	Reagent C
Appearance:	white granular powder	colorless liquid	amber liquid
Odour:	pungent	none	none
Odour threshold:	N/A	N/A	N/A
pH:	N/A	13	N/A
Melting point/Freezing point:	N/A	N/A	N/A
Initial boiling point/boiling range:	N/A	N/A	N/A
Flash point:	N/A	N/A	N/A
Evaporation rate:	N/A	N/A	N/A
Flammability:	non-combustible	non-combustible	non-combustible
Upper/lower flammability or explosive limits:	N/A	N/A	N/A
Vapor pressure:	N/A	N/A	N/A
Vapor density:	N/A	N/A	N/A
Relative Density:	N/A	N/A	N/A
Solubility(ies):	completely soluble in water to give an acidic solution	completely soluble in water to give an acidic solution	completely soluble in water to give an acidic solution
Partition coefficient Octanol/Water:	N/A	N/A	N/A
Auto-ignition temperature:	N/A	N/A	N/A
Decomposition temperature:	N/A	N/A	N/A
Viscosity:	N/A	N/A	N/A
Explosive properties:	N/A	N/A	N/A
Oxidizing properties:	N/A	N/A	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

Acids, alkalis, oxidising compounds and metals. May produce heat.

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 salicylate	LD50, Oral	Rat	930 mg/kg
Sodium nitroprusside	LD50, Oral	Rat	99 mg/kg

Skin corrosion/irritation: Not available

Serious eye damage/irritation: Not available

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

Germ cell mutagenicity: Not available

Carcinogenicity: Not available

Reproductive toxicity: Not available

Specific target organ toxicity (single exposure): Not available

Specific target organ toxicity (repeated exposure): Not available

Aspiration hazard: Not available

Other effects:
Ammonia test kit
Reagent C: Contains sodium nitroprusside and if ingested could cause headaches, nausea and in-coordination.
Reagent A: Inhalation of spray or mist will irritate the respiratory system and ingestion will damage the linings of the mouth, throat and gastro-intestinal tract. Inhalation of spray or mist will irritate the respiratory system and ingestion may damage the linings of the mouth, throat and gastro-intestinal tract.
Reagent B: Classified as being corrosive due to the level of sodium hydroxide and sodium hypochlorite present and will cause local damage in contact with tissue of the eyes and skin. Inhalation of spray or mist will irritate the respiratory system and ingestion will damage the linings of the mouth, throat and gastro-intestinal tract. Inhalation of spray or mist will irritate the respiratory system and ingestion may damage the linings of the mouth, throat and gastro-intestinal tract.

SECTION 12: Ecological information

12.1 Toxicity
Not available
12.2 Persistence and Degradability
Not available
12.3 Bioaccumulative potential
Not available
12.4 Mobility in soil
Not available
12.5 Results of PBT and vPvB assessment
Not available
12.6 Other adverse effects

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: 3316 IMDG: 3316 IATA: 3316 DOT (US): 3316

14.2 UN proper shipping name

ADR/RID: CHEMICAL KIT

IMDG: CHEMICAL KIT

IATA: Chemical kit

DOT (US): Chemical kit

14.3 Transport hazard class(es)

ADR/RID: 9 IMDG: 9 IATA: 9 DOT (US): 9

14.4 Packing group

ADR/RID: II IMDG: - IATA: II DOT (US): II

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

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

15.1 Chemical safety assessment
Not available

SECTION 16: Other information

NFPA Rating:

Ammonia pro test kit

Reagent A	Reagent B	Reagent C
Health hazard: 0 Fire Hazard: 0 Reactivity Hazard: 0	Health hazard: 3 Fire Hazard: 0 Reactivity Hazard: 0	Health hazard: 0 Fire Hazard: 0 Reactivity Hazard: 0

Full text of Hazards Statements referred to in sections 2 and 3:
Met. Corr. - Substance or mixture corrosive to metals
Acute Tox. - Acute toxicity
Skin Corr. - Skin corrosion
Eye Irrit.- Eye irritation
STOT SE - Specific target organ toxicity — single exposure
Aquatic Acute - Hazardous to the aquatic environment
Aquatic Chronic - Hazardous to the aquatic environment
H290: May be corrosive to metals.
H301: Toxic if swallowed.H302: Harmful if swallowed.
H314: Causes severe skin burns and eye damage.
H319: Causes serious eye irritation.
EUH031: Contact with acids liberates toxic gas.

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
TSCA - United States Toxic Substances Control Act Inventory

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SAFETY DATA SHEET

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