

# Safety Data Sheet

## Quickdrop Nitrate Test Kit

### 1. Identification of the material and supplier

**Product name:** Quickdrop Nitrate Test Kit  
**Manufacturer's Product Code:** 92055  
**Recommended Use:** Testing of nitrate in aquariums  
**Company:** Kong's (Aust.) Pty Limited  
**Address:** 97 Williamson Rd Ingleburn, NSW, 2565  
**Telephone Number:** +61 (2) 8796 5188  
**Fax Number:** +61 (2) 8796 5199

### 2. Hazards Identification

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

### 3. Composition/Information on Ingredients

#### Reagent A:

#### **4-Aminobenzenesulphonic acid (C<sub>6</sub>H<sub>7</sub>NO<sub>3</sub>S) [Sulfanilic acid]**

CAS No.: 121-57-3

Percent Range: <10%

LD50: Oral - rat - 12,300 mg/kg

LC50: None reported

**Hazard Statements:** H315 - Causes skin irritation  
H317 – May cause an allergic skin reaction  
H319 – Causes serious eye irritation

**Risk Statements:** R36/38 – Irritating to skin and eyes  
R43 – May cause sensitisation by skin contact

**Safety Notices:** S(2) – Keep out of reach of children  
S24 – Avoid contact with skin  
S37 – Wear suitable gloves



#### **Distilled Water (H<sub>2</sub>O)**

CAS No.: 7732-18-5

Percent Range: >60%

LD50: None reported

LC50: None reported

Hazard: No effects anticipated.

## Reagent B:

### Zinc Powder (Zn)

CAS No.: 7440-66-6

Percentage Range: >60%

LD50: Oral LD50 (rat): >2000 mg/kg

LC50: No information found

Hazard Statements: H410 - Very toxic to aquatic life with long lasting effects

Risk Statements: R50/53 – Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment

Safety Notices: S60 – This material and its container must be disposed of as hazardous waste  
S61 – Avoid release to the environment



## Reagent C:

### 1-Naphthylamine hydrochloride

CAS No.: 552-46-5

Percentage Range:

LD50: None reported

LC50: None reported

Hazard:

H302 - Harmful if swallowed

H411 - Toxic to aquatic life with long lasting effects



### Tartrazine (C<sub>16</sub>H<sub>9</sub>N<sub>4</sub>Na<sub>3</sub>O<sub>9</sub>S<sub>2</sub>)

[Trisodium (4E)-5-oxo-1-(4-sulfonatophenyl)-4-[(4-sulfonatophenyl)hydrazono]-3-pyrazolecarboxylate]

CAS No.: 1934-21-0

Percentage Range:

LD50: None reported

LC50: None reported

Hazard: No effects anticipated.

### Distilled Water (H<sub>2</sub>O)

CAS No.: 7732-18-5

Percent Range: >60%

LD50: None reported

LC50: None reported

Hazard: No effects anticipated.

## 4. First Aid

### Inhalation:

Not expected to require first aid measures

### Ingestion:

If large amounts are swallowed, give water to drink and seek medical advice

### Skin Contact:

Wash exposed area with soap and water. Seek medical advice if irritation develops

### Eye Contact:

Wash thoroughly with running water. Seek medical advice if irritation develops

## **5. Fire Fighting Measures**

**Flammable Properties:** May be combustible at high temperature.

**Flash Point:** Not available

**Hazardous Combustion Products:** Toxic fumes of: carbon and nitrogen oxides.

**Fire / Explosion Hazards:** No information available.

**Extinguishing Media:** SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam.  
Do not use water jet.

**Fire Fighting Instruction:** As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.

## **6. Accidental Release Measures**

### **Exposure Controls/Personal Protection**

<b>Ventilation System:</b>	Not expected to require any special ventilation
<b>Skin Protection:</b>	Wear protective gloves and clean body-covering clothing
<b>Eye protection:</b>	Safety glasses

<b>Spill or Release Procedures:</b>	Wear appropriate personal protective equipment as specified above. Contain and recover liquid where possible. Collect liquid in an appropriate container or absorb with inert material (e.g. dry sand). Do not use combustible material such as paper or saw dust.
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## **7. Handling and Storage**

<b>Precautions for Safe Handling:</b>	Not classified as dangerous goods
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### **Special Precautions & Conditions**

<b>For Safe Storage:</b>	Store with lid sealed at <30°C Wash hands after use.
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## **8. Exposure controls and personal protection**

**Engineering Controls:** Have an eyewash station nearby. Have a safety shower nearby. Use general ventilation to minimize exposure to mist, vapour or dust. Maintain general industrial hygiene practices when using this product.

### **Personal Protective Equipment:**

**Eye Protection:** safety glasses with top and side shields

**Skin Protection:** disposable latex gloves lab coat

**Inhalation Protection:** adequate ventilation

**Precautionary Measures:** Avoid contact with: eyes skin clothing Do not breathe: mist/vapour Wash thoroughly after handling.

**Keep away from:** oxidizers heat

## 9. Physical & Chemical Properties

### Reagents A & C:

<b>Appearance:</b>	Colourless solution
<b>Odour:</b>	Odourless
<b>Solubility:</b>	Completely soluble in water
<b>Specific gravity:</b>	~1.0
<b>pH:</b>	N/A

### Reagent B:

<b>Appearance:</b>	Coarse grey powder
<b>Odour:</b>	Odourless
<b>Solubility:</b>	Completely soluble in water
<b>Specific gravity:</b>	~1.0
<b>pH:</b>	N/A

## 10. Stability & Reactivity

### Reagent A:

<b>Stability:</b>	Stable under ordinary conditions of use and storage
<b>Hazardous Decomposition Products:</b>	No hazardous decomposition products
<b>Hazardous reactions:</b>	Will not occur
<b>Incompatibilities:</b>	No incompatible data found
<b>Conditions to avoid:</b>	No information found

### Reagent B:

<b>Stability:</b>	Stable under normal conditions of use.
<b>Hazardous decomposition products:</b>	Oxides of zinc.
<b>Hazardous reactions:</b>	Reacts with acids , alkalis and water liberating flammable hydrogen gas.
<b>Conditions to avoid:</b>	Avoid exposure to heat, sources of ignition, and open flame. Avoid exposure to moisture. Incompatibilities: Incompatible with acids , alkalis and oxidising agents .

### Reagent C:

<b>Stability:</b>	Stable under ordinary conditions of use and storage
<b>Hazardous Decomposition Products:</b>	No hazardous decomposition products
<b>Hazardous reactions:</b>	Will not occur
<b>Incompatibilities:</b>	No incompatible data found
<b>Conditions to avoid:</b>	No information found

### 11. Toxicological Information

Ingredient	NTP Carcinogen		IARC Category
	Known	Anticipated	
4-Aminobenzene Sulphonic acid	No	No	None
Zinc Powder	No	No	None
1-Naphthylamine hydrochloride	No	No	None
Tartrazine	No	No	None
Water	No	No	None

#### GHS Hazard Category:

Reagent A -	Eye irritation - category 2 Skin irritation - category 2 Skin sensitisation - category 1
Reagent B -	Substance or mixture which in contact with water emits Flammable gas - category 1 Pyrophoric solid - category 1
Reagent C -	Acute toxicity - category 4

### 12. Ecological Information

#### Reagent B:

#### Environmental Fate:

No information found

#### Environmental Toxicity:

Ecotoxicity Avoid contaminating waterways.  
Aquatic toxicity: Very toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment.  
48hr EC50 (Daphnia magna): 2.8 mg/L (1)  
96hr LC50 (fish): 0.24-0.56 mg/L (1)

#### GHS Hazard Category:

Reagent B -	Hazardous to the aquatic environment (acute) - category 1 Hazardous to the aquatic environment (chronic) - category 1
Reagent C -	Hazardous to the aquatic environment (chronic) - category 2

### 13. Disposal Considerations

Dispose of in accordance to local, state and federal laws.

### 14. Transport Information

Not regulated

### 15. Regulatory Information

Not regulated

### 16. Other information

Date of preparation: 26/07/2021

**The above information is believed to be correct but does not claim to be all inclusive and should be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Kong's (Aust) Pty Limited shall not be held liable for any damage resulting from handling or from contact with the above product.**