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## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

### Product identifier:

**Identification as on the label/Trade name:** HTH® Colour Indicator Filter Cleaner

**Additional information:** Product Codes: CIFC

### Relevant identification uses of the substance and uses advised against:

**Identified uses:** Removal of scale build-up on filter sand.

**Uses advised against:** Anything other than sand-filters of swimming pools and cartridge filters for spa's/hot tubs. Use only as directed.

### Details of the supplier of the Safety Data Sheet:

Innovative Water Care SA Holding (Pty) Ltd.

(Reg. No. 2018/623823/07)

P O Box 150, Kempton Park, 1620

Situated At: NCP Chloorkop Factory Site

Hytor Street

Chloorkop

Kempton Park, 1619

### Emergency telephone numbers:

Poisons Information Centre: 0861 555 777 (24 hours)  
+27 11 976 2115 (office hours only)

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## SECTION 2. HAZARDS IDENTIFICATION

### Classification of the substances or mixture:

The mixture is classified according to:

**SANS 10234:2008, Regulation EC 1272/2008 [EU-GHS/CLP]**

**Hazard classes/Hazard categories**

Skin irritation (Category 2)

Serious eye damage (Category 1)

**Hazard statement**

H315

H318

For full text of H-Statements see section 16



**The most important adverse effects:**

**The most important adverse physiochemical effects:** None.

**The most important adverse human health effects:** Causes skin irritation and severe eye damage.

**Label elements:**

**Hazard pictograms:**



**Signal Words: DANGER**

**Hazard Statements:** H315 Causes skin irritation. H318 Causes serious eye damage.

**Precautionary Statements:** P264 Wash hands thoroughly after handling. P280 Wear eye protection. P302 + P352 IF ON SKIN: Wash with plenty of water. P332 + P313 If skin irritation occurs: Get medical advice/ attention. 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. P362 + P364 Take off contaminated clothing and wash it before reuse.

**Special labelling of certain mixtures:** None known.

**Other hazards:** None known.

## SECTION 3.COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/Mixture:** Mixture

**Ingredients:**

Substance name (IUPAC)	CAS-No.	Concentration % by weight	Classification EC1272/2008
	EC-No.		
Sodium bisulphate	7681-38-1	80-85%	Serious eye damage (Category 1) H318.
	231-665-7		
Citric acid, anhydrous	77-92-9	5-15%	Eye irritant (Category 2) H319.
	201-069-1		
Sodium dodecylbenzenesulfonate (SDBS)	25155-30-0	0-2%	Acute toxicity oral (category 4) H302, Skin irritation (Category 2) H315. Serious eye damage (Category 1) H318.
	246-680-4		

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 listed in Section 8.



For the full text of the H-Statements mentioned in this Section, see Section 16.

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## **SECTION 4. FIRST AID MEASURES**

### **Description of first aid measures:**

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

**In case of inhalation:** If inhaled, move person into fresh air. If not breathing, give artificial respiration. Seek medical attention if breathing becomes difficult or if respiratory irritation develops.

**In case of skin contact:** Immediately flush skin with plenty of water for 15 minutes. If clothing comes into contact with the product, the clothing should be removed immediately and laundered before re-use. Seek medical attention.

**In case of eye contact:** Immediately flush eyes thoroughly with water for 15 minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing. Seek medical attention immediately.

**In case of ingestion:** Seek medical attention immediately. DO NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water.

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

None known.

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## **SECTION 5. FIREFIGHTING MEASURES**

**Suitable extinguisher media:** Use alcohol-resistant foam, dry chemical or carbon dioxide. Prevent contamination of drains or waterways.

**Unsuitable extinguishing media:** Avoid contacting material with water as it readily dissolves in water to form a weak sulphuric acid solution.

#### **Special hazards arising from the mixture:**

In water product forms a weak sulphuric acid solution.

#### **Advice for fire-fighters:**

Evacuate area and contact emergency services. Toxic gases may be evolved in a fire situation. Remain upwind and notify those downwind of hazard. Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire.

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## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

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

**For non-emergency personnel:** Isolate area. Keep unnecessary and unprotected personnel from entering the area. Avoid inhalation, and contact with skin. Refer to Section 7, Handling, for



additional precautionary measures. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

**For emergency responders:** Personnel involved in the clean-up should wear full protective clothing. Eliminate all sources of ignition. Increase ventilation. Avoid generating dust. Ensure that walking surfaces are not slippery before walking on them. Do not allow product to reach drains, sewers or waterways. Use spark-proof tools and equipment.

**Environmental precautions:**

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater.

**Methods for containment and cleaning up:**

**For small spills:** Contain spilled material if possible. Clay, soil or commercially available absorbents may be used to recover any material that cannot be recovered as pure product. Collect in suitable and properly labelled containers.

**For large spills:** Contain area to prevent spill from spreading. Minimize adverse effects on the environment. Recover as much as possible of the pure product into appropriate containers. Later, determine if this recovered product can be used for its intended purpose. Clay, soil or commercially available absorbents may be used to recover any material that cannot be recovered as pure product. Do NOT rinse away with water.

**Reference to other sections:**

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for information on disposal.

**Additional information:**

None known.

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## **SECTION 7. HANDLING AND STORAGE**

### **Precautions for safe handling:**

**Protective measures:** Observe directions on label and instructions for use. Avoid contact with skin and eyes.

**Advice on general occupational hygiene:** Do not eat, drink or smoke when handling this product.

### **Conditions for safe storage, including incompatibilities:**

Keep cool and dry in a tightly sealed container away from direct sunlight. Keep away from metals.

### **Specific end uses:**

Use only as directed.



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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control parameters:

**Occupational exposure limits:** No data available.

**Biological exposure indices (BEI):** No data available.

**Additional exposure limits under the conditions of use:** No data available.

### Exposure control:

**Appropriate engineering controls:** Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended.

### Individual protection measures, such as personal protective equipment:

**Eye/face protection:** Use safety glasses. If there is a potential for exposure to particles which could cause eye discomfort, wear chemical goggles.

**Hand protection:** Use chemical resistant gloves. Examples of preferred glove barrier materials include: Butyl rubber, Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, polyvinyl alcohol, Polyvinyl chloride.

**Body protection:** Not necessary under normal use.

**Respiratory protection:** Respiratory protection should be worn when there is a potential to exceed the exposure limit requirements or guidelines.

**Environmental exposure controls:** None required.

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

**Appearance (form):** Solid-granular.

**Colour:** Dark purple powder mixed with larger white granules

**Odour:** Mild odour.

**Odour threshold:** Not known.

**pH:** <1.0

**Melting point/range (°C):** Not known.

**Boiling point/range (°C):** Not applicable

**Flash point (°C):** Not applicable

**Evaporation rate:** Not Applicable

**Flammability (solid, gas):** Not known.



**Ignition temperature (°C):** Not known.

**Upper/lower flammability/explosive limits:** Not known.

**Vapour pressure (20°C):** Not known.

**Vapour density:** Not known.

**Density (20°C):** Not known.

**Water solubility:** Not known.

**n-Octanol / Water partition coefficient:** Not known.

**Auto-ignition temperature:** Not known.

**Decomposition temperature:** No known.

**Viscosity, dynamic (mPa s):** Not known.

**Physical hazards:** Not applicable.

**Other information:**

**Volatiles by volume @ 21°C (70°F):** 0 %

**Fat solubility (solvent-oil to be specified):** Not known.

**Bulk density:** Not known.

**Dissociation constant in water (p Ka):** Not known.

**Oxidation-reduction potential:** Not known.

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## **SECTION 10. STABILITY AND REACTIVITY**

### **Reactivity:**

Stable under normal conditions of use and storage.

### **Chemical stability:**

No information.

### **Possibility of hazardous reactions:**

Hazardous polymerization is not expected to occur.

### **Conditions to avoid:**

Excessive heat, dusty conditions and moisture.

### **Incompatible materials:**

Incompatible with oxidizing agents, cyanides, sulphides and bases.



**Hazardous decomposition products:**

In contact with water, the product decomposes to form sulphuric acid (corrosive).

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**SECTION 11. TOXICOLOGICAL INFORMATION**

**Toxicokinetics, metabolism and distribution:**

**Non-human toxicological data:**

**Method:** No data available.

**Dosage:** No data available.

**Routes of administration:** No data available.

**Results:** No data available.

**Absorption:** No data available.

**Distribution:** No data available.

**Metabolism:** No data available.

**Excretion:** No data available.

**Information on toxicological effects:**

**Acute toxicity:**

**HTH Colour Indicator Filter Cleaner:**

Oral LD<sub>50</sub> for rat believed to be > 3 000 mg/kg

Dermal LD<sub>50</sub> for rabbit believed to be > 2 000 mg/kg

**Sodium bisulphate:**

Oral LD<sub>50</sub> for rat believed to be 2 800 mg/kg.

**Citric acid:**

Oral LD<sub>50</sub> for rat 3 000 mg/kg.

Dermal LD<sub>50</sub> for rabbit believed to be >2 000 mg/kg.

**Sodium dodecylbenzenesulfonate:**

Oral LD<sub>50</sub> for rat 438 mg/kg.

**Skin corrosion/irritation:** Dry material causes moderate skin irritation, wet material causes skin burns.

**Serious eye damage/irritation:** Corrosive to eyes

**Respiratory or skin sensitization:** Not believed to be sensitising to skin.



**Germ cell mutagenicity:** Not known or reported to be mutagenic.

**Carcinogenicity:** This product is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP or EPA.

**Reproductive toxicity:** Not known or reported to cause reproductive or developmental toxicity.

**STOT-single exposure:** No data available.

**STOT-repeated exposure:** No data available.

**Aspiration hazard:** No data available.

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## SECTION 12. ECOLOGICAL INFORMATION

### Toxicity:

#### Citric Acid:

**Fish:** LC<sub>50</sub> (96 h) for *Lepomis macrochirus* (Bluegill Sunfish) 1.516 mg/L (static).

**Daphnia:** EC<sub>50</sub> (72 h) for *Daphnia magna* (water flea) 120 mg/L.

#### Sodium bisulphate:

**Fish:** LC<sub>50</sub> (96 h) for *Lepomis macrochirus* (Bluegill Sunfish) 12 750 mg/L, for *Pimephales promelas* (Fathead Minnow) 7 960 mg/L, *Gambusia Affinis* (Mosquito Fish) 3 710 mg/L.

**Daphnia:** LC<sub>50</sub> (48 h) for *Daphnia magna* (water flea) 2 564 mg/L, *Ceriodaphnia Dubia* 3 080 mg/L.

#### Sodium Dodecylbenzenesulfonate:

**Fish:** LC<sub>50</sub> (96 h) for *Oncorhynchus mykiss* (Rainbow Trout) 3.2 mg/L, *Lepomis machorchirus* (Bluegill Sunfish) 2.8 mg/L.

**Daphnia:** LC<sub>50</sub> (48 h) for *Daphnia magna* (water flea) 9.4 mg/L.

### Persistence and degradability:

No data available.

### Bioaccumulative potential:

No data available.

### Mobility in soil

No data available.

### Results of PBT& vPvB assessment:

No data available.





**Other adverse effects:**

No data available.

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods:**

Dispose of in accordance with municipal, provincial and national regulations.

**Product/ packaging disposal:**

Recycle where possible.

**SECTION 14. TRANSPORT INFORMATION**

	<b>Land transport (ADR/RID)</b>	<b>Sea transport (IMDG)</b>	<b>Air transport (ICAO/IATA)</b>
<b>UN-Number</b>	Not required	Not required	Not required
<b>UN Proper shipping name:</b>	Not required	Not required	Not required
<b>Transport hazard class:</b>	Not required	Not required	Not required
<b>Packaging group:</b>	Not required	Not required	Not required
<b>Marine pollutant:</b>	No	No	No
<b>Special precautions for user:</b>	Not required	Not required	Not required
<b>Transport in bulk according to MARPOL 73/78 Annex II and the IBC code</b>	Not required	Not required	Not required

**SECTION 15. REGULATORY INFORMATION**

**Safety, health and environmental regulations/legislation for the mixture:**

**Relevant information regarding authorization:** Occupational Health and Safety Act 1993 Regulation for Hazardous Chemical Substances.

**Relevant information regarding restrictions:** None known.

**EU regulations:** Regulation EC 1272/2008 [EU-GHS/CLP]

**Other National regulations:** None.

**Chemical Safety Assessment carried out?** No.

**SECTION 16. OTHER INFORMATION**

**Indication of changes:**

GHS aligned.



2020/03/31 – Company logo changed to Sigura; Details of the supplier of SDS changed to reflect new entity name.

**Relevant classification and H statements (number and full text):**

H302 Harmful if swallowed. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation.

**Training instructions:**

Use as instructed.

**Further information:**

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

**Notice to readers:**

Employers should use this information only as a supplement to other information gathered by them, and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees.

This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.