

SAFETY DATA SHEET

HCS-2012 APPENDIX D TO §1910.1200

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name TEST KIT(Phenol red)

Other means of identification

Synonyms No information available

Recommended use of the chemical and restrictions on use

Recommended Use Testing the water PH value

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Ningbo Dongchuan Swimming Pool Equipment Co.,Ltd.

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Importer

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+86-574-88159779

2. HAZARDS IDENTIFICATION

GHS Classification

Not classified

Label elements

Symbols/Pictograms None

Signal word None

Hazard Statements Not classified

Precautionary Statements Not classified

Hazards not otherwise classified (HNOC)

No information available

Unknown acute toxicity

No information available

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature

Mixture

Chemical Name	CAS No	Weight-%
Water	7732-18-5	>99.45
Sodium hydroxide	1310-73-2	<0.5
Phenol Red	143-74-8	0.05

4. FIRST AID MEASURES

Description of first aid measures

General advice	Remove contaminated clothing and shoes. If symptoms persist, call a physician.
Inhalation	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Wash contaminated clothing before reuse. If skin irritation persists, call a physician.
Eye contact	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion	Rinse mouth. Get medical attention. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed

No information available.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable extinguishing media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Unsuitable extinguishing media	No information available.

Specific hazards arising from the chemical

Thermal decomposition can lead to release of irritating and toxic gases and vapors

Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

- Evacuate personnel to safe areas
- Ensure adequate ventilation, especially in confined areas
- Remove all sources of ignition
- Avoid contact with skin, eyes and inhalation of vapors
- Use personal protection recommended in Section 8

Methods and material for containment and cleaning up

- Local authorities should be advised if significant spillages cannot be contained
- Prevent entry into waterways, sewers, basements or confined areas
- Contain and collect spillage with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see Section 13)

7. HANDLING AND STORAGE

Precautions for safe handling

- Handle in accordance with good industrial hygiene and safety practice
- Ensure adequate ventilation, especially in confined areas
- Avoid contact with skin, eyes or clothing
- Wash contaminated clothing before reuse
- Do not breathe dust/fume/gas/mist/vapors/spray
- Do not eat, drink or smoke when using this product
- Wash thoroughly after handling
- Use personal protection recommended in Section 8

Conditions for safe storage, including any incompatibilities

- Keep container tightly closed in a dry and well-ventilated place
- Keep locked up and out of reach of children
- Keep away from food, drink and animal feeding stuffs
- Store in accordance with local regulations

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical Name	Australia	Austria	Belgium	Denmark	European Union
Sodium hydroxide (CAS #: 1310-73-2)	2 mg/m ³ Peak	STEL 4 mg/m ³ TWA: 2 mg/m ³	-	Ceiling: 2 mg/m ³	-

Chemical Name	Latvia	France	Finland	Germany	Italy
Sodium hydroxide (CAS #: 1310-73-2)	TWA: 0.5 mg/m ³	TWA: 2 mg/m ³	STEL: 2 mg/m ³ Ceiling: 2 mg/m ³	-	-

Chemical Name	Poland	Portugal	Spain	Switzerland	Netherlands
Sodium hydroxide (CAS #: 1310-73-2)	STEL: 1 mg/m ³ TWA: 0.5 mg/m ³	Ceiling: 2 mg/m ³	STEL: 2 mg/m ³	STEL: 2 mg/m ³ TWA: 2 mg/m ³	-

Chemical Name	Norway	United Kingdom	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium hydroxide (CAS #: 1310-73-2)	Ceiling: 2 mg/m ³	STEL: 2 mg/m ³	Ceiling: 2 mg/m ³	TWA: 2 mg/m ³ (vacated) Ceiling: 2 mg/m ³	IDLH: 10 mg/m ³ Ceiling: 2 mg/m ³

Appropriate engineering controls

Use with local exhaust ventilation. Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Respiratory protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
Hand Protection	Wear protective gloves.
Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin and body protection	Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Liquid
Color	Red color
Odor	Odorless
Odor Threshold	Not determined
pH	Not determined
Melting point/freezing point	Water: 0°C
Boiling point / boiling range	Water: 100°C
Flash point	Not determined
Evaporation rate	Not determined
Flammability (solid, gas)	Not flammable
Flammability Limit in Air	Not determined
Vapor Pressure	Not determined
Vapor density	Not determined
Density	Water: 1g/cm ³
Relative density	Not determined
Bulk density	Not determined
Specific gravity	Not determined
Water solubility	Not determined
Partition coefficient (LogPow)	Not determined
Autoignition temperature	Non-igniting
Decomposition temperature	Not determined
Kinematic viscosity	Not determined
Dynamic viscosity	Not determined
Explosive properties	Not an explosive
Oxidizing properties	Not determined

Other information

No information available

10. STABILITY AND REACTIVITY

Reactivity

Stable under recommended storage and handling conditions (see SECTION 7, handling and storage).

Chemical stability

Stable under normal conditions

Possibility of Hazardous Reactions

None under normal processing.

Conditions to avoid

Heat, flames and sparks. Incompatible materials.

Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

Hazardous Decomposition Products

None under normal use conditions

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation	Harmful if inhaled.
Eye contact	Not an expected route of exposure.
Skin Contact	Immediate medical attention is not required.
Ingestion	Harmful if swallowed

Information on toxicological effects

Acute toxicity

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium hydroxide (CAS #: 1310-73-2)	-	= 1350 mg/kg (Rabbit)	-

Skin corrosion/irritation

No irritating effects.

Serious eye damage/eye irritation

No irritating effects.

Sensitization

No sensitization responses were observed.

Germ cell mutagenicity

No information available

Carcinogenicity

Not classified.

Reproductive toxicity

No information available

STOT - single exposure

No information available

STOT - repeated exposure

No information available

Aspiration hazard

No information available

12. ECOLOGICAL INFORMATION**Ecotoxicity**

Chemical Name	Algae/aquatic plants EC50	Fish LC50	Crustacea EC50
Sodium hydroxide (CAS #: 1310-73-2)	-	45.4 mg/L/96h Oncorhynchus mykiss static	-

Persistence and degradability

No information available

Bioaccumulative potential

No information available

Mobility in soil

No information available

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Disposal of wastes	Disposal should be in accordance with applicable regional, national and local laws and regulations
Contaminated packaging	Dispose of in accordance with federal, state and local regulations

14. TRANSPORT INFORMATION**DOT**

UN/ID No.	Not regulated
Proper shipping name	Not regulated
Hazard Class	Not regulated
Packing Group	Not regulated
Special precautions	No information available
Marine pollutant	Non-marine pollutant
IMDG/IMO ; not regulated	

15. REGULATORY INFORMATION**International Inventories**

Component	AICS	DSL/NDS L	EINECS/E LINCS	ENCS	IECSC	KECL	PICCS	TSCA
Water 7732-18-5 (98.95%)	X	X	X	Expect	X	X	X	X

Sodium hydroxide 1310-73-2 (1%)	X	X	X	X	X	X	X	X
Phenol Red 143-74-8 (0.05%)	X	X	X	X	X	X	X	X

"-" Not Listed

"X" Listed

16. OTHER INFORMATION

Revision Note

Issue Date	20-JAN-2017
Revision date	20-JAN-2017
Revision Note	Not applicable

Key or legend to abbreviations and acronyms used in the safety data sheet

TWA - TWA (time-weighted average)

STEL - STEL (Short Term Exposure Limit)

Ceiling - Maximum limit value

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

----- End of Safety Data Sheet -----