

Safety Data Sheet

Revision version: SDS-1.0 Revision date: 03 Feb 2021

IDENTIFICATION OF THE SUBSTANCE/MIXTURE OF THE COMPANY/UNDERTAKING

Product Identifiers

Product name: 1% (w/v) Starch Indicator Solution Company name: HCS Scientific & Chemcial Pte Ltd

Telephone no: (+65) 6777 7077 Email: reactivo@hcs-lab.com

HAZARDS IDENTIFICATION

2.1 GHS Classification

Not a hazardous substance

COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Percent	Molecular Formula
Soluble Starch	9005-84-9	1%	$(C_6H_{10}O_5)n$
Water	7732-18-5	99%	H ₂ O

FIRST-AID MEASURES

4.1 General advice: When symptoms persist or in all cases of doubt seek medical advice

4.2 Inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration.

Wash off with soap and plenty of water. 4.3 Eye contact:

4.5 Most Important symptoms and effects, both acute and delayed

4.6 Indication of any immediate medical attention and special treatment needed

FIREFIGHTING MEASURES

5.1 Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide

5.2 Special hazards arising from the substance or mixture

No information available

5.3 Advice for firefighters

Wear self-contained breathing apparatus if necessary

ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Avoid breathing in mist or vapour.







www.hcs-lab.com/reactive









6.2 Environmental precautions

No special precautions required.

6.2 Methods and materials for containment and cleaning up

Keep in closed containers for disposal

6.3 Reference to other sections

For disposal, see section 13

HANDLING AND STORAGE

7.1 Precautions for safe handling

No data available

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a day and well-ventilated place

7.2 Specific end use (s)

No data available

EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

Occupational Exposure Limits Contains no substances with occupational exposure limit values

8.2 Exposure controls

Appropriate engineering controls General industrial hygiene practice.

Personal protective equipment Eye/face protection Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Skin protection Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the standard EN 374 derived from it. Full contact Material: Nitrile rubber Minimum layer thickness: 0.11 mm Break through time: 480 min Material tested:Dermatril® (KCL 740 / Aldrich Z677272, Size M)

data source: KCL GmbH, D-36124 Eichenzell, phone +49 (0)6659 87300, e-mail sales@kcl.de, test method: EN374 If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario. Body Protection impervious clothing. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Respiratory protection Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).















Physical state: Liquid

Appearance: Slightly cloudy

No information found Odor: :Ha No information found Melting / freezing point: No information found Initial boiling point: No information found Flash point: No information found No information found **Evaporation rate:** No information found Flammability (Solid,gas): Upper/lower flammability: No information found No information found Vapour pressure: Vapour density: Insoluble in water Relative density: 1.00 g/mL at 20°C Water solubility: Completely miscible

Partition co-efficient: Octanol / water no information found

Auto-ignition temperature: No information found Decomposition temperature: No information found

10. STABILITY AND REACTIVITY

10.1 Reactivity

No information found

10.2 Chemical stability

No information found

10.3 Possibility of hazardous reactions

No information found

10.4 Conditions to avoid

No information found

10.5 Incompatible materials

Strong oxidizing agents

10.6 Hazardous decomposition products

No information found

TOXICOLOGICAL INFORMATION 11.

11.1 Information on toxicological effects

Acute Toxicity: No information found Skin corrosion/irritation: No information found Serious eye damage/irritation: No information found

Prolonged or repeated exposure may cause allergic reactions in Respiratory or skin sensitization:

certain sensitive individuals.

Germ cell mutagenicity: No information found

Carcinogenicity IARC: No component of this product present at levels greater than or

equal to 0.1% is identified as probable, possible or confirmed

human carcinogen by IARC.















Reproductive toxicity: No information found

(Single exposure) No information found Specific target organ toxicity: Specific target organ toxicity: (Repeated exposure) No information found

Aspiration hazard: No information found

12. ECOLOGICAL INFORMATION

No information found Toxicity: Persistence and degradability: No information found No information found Bioaccumulative potential: No information found Mobility in soil: PBT & vPvB assessment No information found Other adverse effects: No information found

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Offer surplus and non-recyclable solutions to a licensed disposal company

13.2 Contaminated packaging

Dispose as unused product

14. TRANSPORT INFORMATION

14.1 Shipping Name: Not dangerous goods

Class: None

Packing group: None

UN/NA: None

Environmental hazards: None

Special precautions for user: None

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Notification Status

AICS: On the inventory, or in compliance with inventory

DSL: All components of this product are on the Canadian DSL.

ENCS: Not in compliance with the inventory-water

ISHL: Not in compliance with the inventory-potassium chloride, water

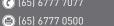
KECI On the inventory, or in compliance with inventory **NZIoC** On the inventory, or in compliance with inventory **PICCS** On the inventory, or in compliance with inventory

















16. OTHER INFORMATION

16.1 Reason for Revision: General Update Date of Revision: 03/02/2021

16.2 Disclaimer:

The information contained in this Safety Data Sheet is intended to assist in the use of the above product without risk to safety or health and is based on current knowledge and experience. This information relates only to the specific material designed and may not be valid for such material used in combination with any other materials or in any process. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.

16.3 Further information:

The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes.













