KWIK-STIK™ Swab Hydrating Fluid

Safety Data Sheet

SECTION 1: Identification

1.1. Product identifier

Product name : KWIK-STIK™ Swab Hydrating Fluid

Trade names : KWIK-STIK™
KWIK-STIK™ Plus
Lab-Elite™ CRM

1.2. Recommended use and restrictions on use

Hydrating fluid.

1.3. Supplier

Microbiologics, Inc.
200 Cooper Avenue North
Saint Cloud, MN 56303
+1.320.253.1640

1.4. Emergency telephone number

24 hour Emergency Number: United States: +1.866.928.0789 or +1.215-207-0061 (Carechem)
Canada: +1.800.579.7421 or +1.202.464.2554 (Carechem)

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

Classification (GHS-CAN/US)

Not classified

2.2. GHS Label elements, including precautionary statements

GHS-CAN/US labeling

No labeling applicable

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity

No data available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS-CAN Classification	GHS-US classification
Water	(CAS No) 7732-18-5	> 99	Not classified	Not classified
Sodium chloride	(CAS No) 7647-14-5	< 1	Not classified	Not classified
Sodium phosphate dibasic	(CAS No) 7558-79-4	< 1	Not classified	Not classified
Sodium thioglycolate	(CAS No) 367-51-1	< 1	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319
Phosphoric acid, potassium salt (1:1)	(CAS No) 7778-77-0	< 1	Not classified	Not classified
Magnesium chloride	(CAS No) 7786-30-3	< 1	Not classified	Not classified
Calcium chloride	(CAS No) 10035-04-8	< 1	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319 STOT SE 3, H335	Acute Tox. 4 (Oral), H302 Eye Irrit. 2A, H319 STOT SE 3, H335

Full text of R- and H-statements: see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : No specific first aid measures needed for this route of exposure.
First-aid measures after skin contact : Wash with soap and water. Seek medical assistance if irritation develops or persists.
First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If irritation persists, get medical advice/attention.
First-aid measures after ingestion : Avoid hand to mouth contact. If ingested, seek medical advice.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/injuries after inhalation : None anticipated under normal product handling conditions.
Symptoms/injuries after skin contact : May cause irritation.
Symptoms/injuries after eye contact : May cause irritation..
Symptoms/injuries after ingestion : May be harmful if swallowed.

4.3. Immediate medical attention and special treatment, if necessary

No additional information available

SECTION 5: Fire-fighting measures

5.1. Suitable extinguishing media

Suitable extinguishing media : Use suitable extinguishing media for surrounding fire.

5.2. Unsuitable extinguishing media

Unsuitable extinguishing media : None.

5.3. Specific hazards arising from the hazardous product

Fire hazard : None known.
Explosion hazard : None known.

5.4. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Firefighters should wear full protective gear.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

No additional information available

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Stop the flow of material, if this is without risk.
Methods for cleaning up : If hydration of the lyophilized microorganism preparation has not occured, no action is required. If hydration has occured, please see LIT.115 Biohazard Cleanup on our website at www.microbiologics.com.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : The hydrating fluid is a sterile fluid and, by itself, does not pose any hazardous threats. When used to hydrate the lyophilized microorganism preparation, the hydrating fluid will create a suspension that does contain microorganisms, which under certain conditions, could lead to an infectious process.

Proper techniques must be employed to avoid exposure and contact with microorganism growth, and rehydrated pellet suspensions. The microbiology laboratory must be equipped, and have the facilities to receive, process, maintain, store and dispose of biohazard material. The microbiology laboratory personnel using these devices must be trained, experienced, and

demonstrate proficiency in processing, maintaining, storing and disposing of biohazard material.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store the product at 2°C - 8°C in the original sealed container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

No additional information available

8.2. Exposure controls

Appropriate engineering controls : Local exhaust and general ventilation must be adequate to meet exposure standards. Good laboratory practices must be observed and followed.

Hand protection : Wear general protective gloves.

Eye protection : Safety glasses with side shields.

Skin and body protection : Wear moisture impervious aprons and safety footwear.

Respiratory protection : When undertaking procedures that are likely to give rise to infectious aerosols, a Class 1 microbiological biological safety cabinet should be used.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid. Each unit contains a reservoir of hydrating fluid in the stick.
Color	:	Colorless
Odor	:	Odorless
Odor threshold	:	No data available
pH	:	No data available
Relative evaporation rate (butyl acetate=1)	:	No data available
Relative evaporation rate (ether=1)	:	No data available
Melting point	:	No data available
Freezing point	:	No data available
Boiling point	:	No data available
Flash point	:	No data available
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Flammability (solid, gas)	:	No data available
Vapor pressure	:	No data available
Vapor pressure at 50 °C	:	No data available
Relative density	:	No data available
Solubility	:	No data available
Log Pow	:	No data available
Viscosity, kinematic	:	No data available
Explosion limits	:	No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Stable under normal ambient and anticipated storage and handling conditions.

10.3. Possibility of hazardous reactions

Will not occur.

10.4. Conditions to avoid

None.

10.5. Incompatible materials

Not determined.

10.6. Hazardous decomposition products

Not determined.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

Water (7732-18-5)	
LD50 oral rat	> 90 ml/kg
Sodium chloride (7647-14-5)	
LD50 oral rat	3 g/kg
LC50 inhalation rat (mg/l)	> 42 g/m³ (Exposure time: 1 h)
Magnesium chloride (7786-30-3)	
LD50 oral rat	2800 mg/kg
Sodium phosphate dibasic (7558-79-4)	
LD50 oral rat	17 g/kg
Phosphoric acid, potassium salt (1:1) (7778-77-0)	
LD50 oral rat	3200 mg/kg

Skin corrosion/irritation : Not classified
Serious eye damage/irritation : Not classified
Respiratory or skin sensitization : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
Specific target organ toxicity – single exposure : Not classified
Specific target organ toxicity – repeated exposure : Not classified
Aspiration hazard : Not classified

SECTION 12: Ecological information

12.1. Toxicity

Acute aquatic toxicity : Not classified
Chronic aquatic toxicity : Not classified

Sodium chloride (7647-14-5)	
LC50 fish 1	5560 - 6080 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [flow-through])
LC50 fish 2	12946 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])
EC50 Daphnia 1	1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)
EC50 Daphnia 2	340.7 - 469.2 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
BCF fish 1	(no bioaccumulation)
Magnesium chloride (7786-30-3)	
LC50 fish 1	1970 - 3880 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	140 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
EC50 72h algae [mg/l] 1	2200 mg/l (Species: Desmodesmus subspicatus)

12.2. Persistence and degradability

No additional information on components is available

12.3. Bioaccumulative potential

Sodium chloride (7647-14-5)	
BCF fish 1	(no bioaccumulation)

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

Ozone : Not classified
Effect on the ozone layer : No additional information available.

SECTION 13: Disposal considerations

13.1. Disposal methods

Product/Packaging disposal recommendations : Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 14 Transport Information

14.1. Basic shipping description

In accordance with TDG

TDG
Not regulated for transport

14.2. Transport information/DOT

DOT
Not regulated for transport

14.3. Air and sea transport

IMDG
Not regulated for transport

IATA
Not regulated for transport

SECTION 15: Regulatory information

15.1. Canada National regulations

Water (7732-18-5)
Listed on the Canadian DSL (Domestic Sustances List)
Sodium chloride (7647-14-5)
Listed on the Canadian DSL (Domestic Sustances List)
Magnesium chloride (7786-30-3)
Listed on the Canadian DSL (Domestic Sustances List)
Sodium phosphate dibasic (7558-79-4)
Listed on the Canadian DSL (Domestic Sustances List)
Phosphoric acid, potassium salt (1:1) (7778-77-0)
Listed on the Canadian DSL (Domestic Sustances List)
Sodium thioglycolate (367-51-1)
Listed on the Canadian DSL (Domestic Sustances List)

15.2. US Federal regulations

Water (7732-18-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Sodium chloride (7647-14-5)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Magnesium chloride (7786-30-3)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Sodium phosphate dibasic (7558-79-4)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
CERCLA RQ	5000 lb
Phosphoric acid, potassium salt (1:1) (7778-77-0)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
Sodium thioglycolate (367-51-1)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	

15.3. US State regulations

Sodium phosphate dibasic (7558-79-4)
U.S. - Massachusetts - Right To Know List
U.S. - New Jersey - Right to Know Hazardous Substance List
U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

Full text of H-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Eye Irrit. 2	Serious eye damage/eye irritation Category 2
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H302	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H335	May cause respiratory irritation

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product