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

1.4. Emergency telephone number

+1.320.253.1640

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 hazard classes 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 assstance 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

Aquatic acute : Not classified
Aquatic chronic : 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 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

Lyophilized or Dried Biological Material Preparations

Safety Data Sheet

SECTION 1: Identification

1.1. Product identifier

Product name : Lyophilized or Dried Biological Material Preparations

Product synonym : Charcoal and non-charcoal based Microorganism Products

Trade names : KWIK-STIK™
KWIK-STIK™ Plus
LYFO-DISK™
Epower™
Epower™ CRM
EZ-CFU™
EZ-CFU™ One Step
EZ-FPC™
EZ-PEC™
EZ-SPORE™
Lab-Elite™ CRM
EZ-Accu Shot™
EZ-Accu Shot™ Select
EZ-Hydro Shot™

1.2. Recommended use and restrictions on use

Used for microbiological quality control.

1.3. Supplier

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

1.4. Emergency telephone number

+1.320.253.1640

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 (GHS-CA)

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
Gelatin	(CAS No) 9000-70-8	30 - 60	Not classified	Not classified
Sucrose	(CAS No) 57-50-1	0 - 50	Not classified	Not classified
Phosphoric acid, potassium salt (1:1)	(CAS No) 7778-77-0	5 - 20	Not classified	Not classified
Glucose	(CAS No) 50-99-7	0 - 15	Not classified	Not classified
Water	(CAS No) 7732-18-5	5 - 10	Not classified	Not classified
Skim milk (Bovine - USA origin)	None	2 - 10	Not classified	Not classified

Name	Product identifier	%	GHS-CAN Classification	GHS-US classification
L-Ascorbic acid	(CAS No) 50-81-7	1 - 3	Not classified	Not classified
Carbon	(CAS No) 7440-44-0	0.5 - 2	Not classified	Not classified

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Avoid the production of aerosols. If inhalation occurs, move to an area of fresh air and seek medical advice.

First-aid measures after skin contact : Non-irritant. If skin contact occurs, wash with an appropriate biocidal solution.

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, both acute and delayed

Symptoms/injuries after inhalation : Inhalation of infectious materials may result in infection.

Symptoms/injuries after skin contact : None anticipated under normal product use conditions.

Symptoms/injuries after eye contact : Contact with eyes may cause infection.

Symptoms/injuries after ingestion : May be harmful if swallowed.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

Unsuitable extinguishing media : None.

5.2. Special hazards arising from the substance or mixture

Fire hazard : None.

Explosion hazard : None.

5.3. Advice for firefighters

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

Notify all people working in the immediate area of the incident. Do not leave the area unattended (unless you are the only individual in the area). Designate another employee to divert traffic from the incident area. Use disposable gloves, moisture impervious aprons, and other protective clothing must be dictated by the standard operational procedures of each individual laboratory.

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 : Biohazard Spill Kits are available from commercial sources, or can be made with the following materials:

• A bottle of an aqueous germicidal solution

• One pair of disposable gloves

• Forceps

• One biohazard bag with closure

• One stack or roll of paper towels

Note: A sharps biohazard container should also be available for the collection of any broken material that could cause a cut or puncture wound (e.g. broken glass vial or tube).

Procedure:

1. After notifying all employees in the immediate area, collect the biohazard spill kit and immediately return to the area.

2. Put on the disposable gloves, and any other personal protective equipment as dictated by regulatory requirements or laboratory procedures.

3. To avoid injury due to broken material, such as packaging or labware, use the forceps to pick up as much material as possible, and carefully place the materials into the sharps biohazard container.

4. Cover area with paper towels to decrease spread of spill and the creation of an aerosol.

5. Saturate the spill area with germicidal solution. Keep the spill area moist with the germicidal solution for the appropriate amount of time as indicated on the germicidal solution used.

6. Wipe up the area with the paper towels. Place all used paper towels in the biohazard bag.

7. Following the cleanup, carefully remove the gloves, and place them into the biohazard bag.

8. Seal the biohazard bag.

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 : Proper techniques must be employed to avoid exposure and contact with microorganism growth, and rehydrated pellet suspensions. 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 : The viable biological material preparation must be stored at 2°C - 8°C in the original sealed container. The microbiology laboratory must be equipped, and have the facilities to receive, process, maintain, store and dispose of biohazard material.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Sucrose (57-50-1)		
USA - ACGIH	ACGIH TWA (mg/m³)	10 mg/m³
USA - OSHA	OSHA PEL (TWA) (mg/m³)	15 mg/m³ (total dust) 5 mg/m³ (respirable fraction)
Canada (Quebec)	VEMP (mg/m³)	10 mg/m³
Alberta	OEL TWA (mg/m³)	10 mg/m³
British Columbia	OEL TWA (mg/m³)	10 mg/m³ (total dust)
Manitoba	OEL TWA (mg/m³)	10 mg/m³
New Brunswick	OEL TWA (mg/m³)	10 mg/m³
New Foundland & Labrador	OEL TWA (mg/m³)	10 mg/m³
Nova Scotia	OEL TWA (mg/m³)	10 mg/m³
Nunavut	OEL STEL (mg/m³)	20 mg/m³
Nunavut	OEL TWA (mg/m³)	10 mg/m³
Northwest Territories	OEL STEL (mg/m³)	20 mg/m³
Northwest Territories	OEL TWA (mg/m³)	10 mg/m³
Ontario	OEL TWA (mg/m³)	10 mg/m³
Prince Edward Island	OEL TWA (mg/m³)	10 mg/m³
Saskatchewan	OEL STEL (mg/m³)	20 mg/m³

Sucrose (57-50-1)		
Saskatchewan	OEL TWA (mg/m³)	10 mg/m³
Yukon	OEL STEL (mg/m³)	20 mg/m³
Yukon	OEL TWA (mg/m³)	30 mppcf

8.2. Exposure controls

Appropriate engineering controls : Local exhaust and general ventilation must be adequate to meet exposure standards. Restrict access to the area. Use under the direct supervision of, persons trained and competent in microbiological techniques. 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. If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Solid

Appearance : Freeze dried pellet

Odor : Odorless

Odor threshold : No data available

pH : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : No data available

Relative evaporation rate (butyl acetate=1) : No data available

Flammability (solid, gas) : No data available

Vapor pressure : No data available

Relative vapor density at 20 °C : No data available

Relative density : No data available

Solubility : Miscible

Log Pow : No data available

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Viscosity, kinematic : No data available

Viscosity, dynamic : No data available

Explosion limits : No data available

Explosive properties : No data available

Oxidizing properties : 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

Avoid inhalation of infectious aerosols or ingestion.

10.5. Incompatible materials

Many chemicals may kill the organism enclosed. There are no additional hazards created by incompatible materials.

10.6. Hazardous decomposition products

When stored as directed, the biological material preparations are stable until the last day of the stated month of the expiration date. The length of storage does not affect the risk of infection.

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

Glucose (50-99-7)	
LD50 oral rat	25800 mg/kg

Sucrose (57-50-1)	
LD50 oral rat	29700 mg/kg

Carbon (7440-44-0)	
LD50 oral rat	> 10000 mg/kg

L-Ascorbic acid (50-81-7)	
LD50 oral rat	11900 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

Aquatic acute : Not classified

Aquatic chronic : Not classified

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

No additional information available

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

Most Microbiologics microorganism strains ship according to UN classification UN3373. However, there are several Microbiologics microorganism strains which ship according to UN classification UN2814. The following catalog numbers ship per UN2814.

Microbiologics Catalog Number	Reference Collection Number	Microorganism Name
0231	ATCC® 700728™	*Escherichia coli* (serotype O157:H7)
0617	ATCC® 35150™	*Escherichia coli* (serotype O157:H7)

0861	NCTC 12900	*Escherichia coli* (serotype O157:H7)
01062	NCTC 8622	*Escherichia coli* (serovar O126:K71(B16):H2)
01073	NCTC 9091	*Escherichia coli* (serovar O91:H-)
01074	NCTC 10677	*Escherichia coli* (serovar O146:K:H21)
01097	CDC 99-3311	*Escherichia coli* (serotype O145:NM)
01098	CDC 00-3039	*Escherichia coli (serotype O45:H2)*
01099	CDC 02-3211	*Escherichia coli (serotype O121:H19)*
01100	CDC 03-3014	*Escherichia coli (serotype O26:H11)*
01101	CDC 06-3008	*Escherichia coli (serotype O103:H11)*
01102	CDC 2010C-3114	*Escherichia coli (serotype O111:H8)*
01104	ATCC® BAA-2326™	*Escherichia coli (serotype O104:H4)*

See product label to determine catalog number and organism name.
Visit www.microbiologics.com to obtain technical information bulletin TIB.2023 for most up to date information regarding UN2814 strains.

14.1. Basic shipping description

In accordance with TDG

TDG

UN-No. (TDG) : UN3373

TDG Primary Hazard Classes : 6.2 - Class 6.2 - Infectious Substances

Transport document description : UN3373 BIOLOGICAL SUBSTANCE, CATEGORY B, 6.2

Proper Shipping Name (TDG) : BIOLOGICAL SUBSTANCE, CATEGORY B

Hazard labels (TDG) : 6.2 - Infectious substances



TDG Special Provisions : 38 - A person must not handle, offer for transport or transport these dangerous goods in a large means of containment if they are in direct contact with the large means of containment.

Explosive Limit and Limited Quantity Index : 0

Excepted quantities (TDG) : E0

Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index : 4 kg,4L

UN-No. (TDG) : UN2814

TDG Primary Hazard Classes : 6.2 - Class 6.2 - Infectious Substances

Transport document description : UN2814 INFECTIOUS SUBSTANCE, AFFECTING HUMANS, 6.2

Proper Shipping Name (TDG) : INFECTIOUS SUBSTANCE, AFFECTING HUMANS

Hazard labels (TDG) : 6.2 - Infectious substances



TDG Special Provisions	:	16 - 1) The technical name of the most dangerous substance related to the primary class must be shown, in parentheses, on the shipping document following the shipping name in accordance with clause 3.5(1)(c)(i)(A) of Part 3, Documentation. The technical name must also be shown, in parentheses, on a small means of containment or on a tag following the shipping name in accordance with subsections 4.11(2) and (3) of Part 4, Dangerous Goods Safety Marks. 2) subsection (1), the technical name for the following dangerous goods is not required to be shown on a shipping document or on a small means of containment when Canadian law for domestic transport or an international convention for international transport prohibits the disclosure of the technical: a) UN1544, ALKALOID SALTS, SOLID, N.O.S. or ALKALOIDS, SOLID, N.O.S; b) UN1851, MEDICINE, LIQUID, TOXIC, N.O.S; c) UN3140, ALKALOID SALTS, LIQUID, N.O.S. or ALKALOIDS, LIQUID, N.O.S; d) UN3248, MEDICINE, LIQUID, FLAMMABLE, TOXIC, N.O.S; or e) UN3249, MEDICINE, SOLID, TOXIC, N.O.S. An example in Canada is the “Food and Drugs Act”. 38 - A person must not handle, offer for transport or transport these dangerous goods in a large means of containment if they are in direct contact with the large means of containment. 84 - The infectious substances identified in subsection 7.1(7) of Part 7, Emergency Response Assistance Plan, require an emergency response assistance plan.
ERAP Index	:	See SP84
Explosive Limit and Limited Quantity Index	:	0
Excepted quantities (TDG)	:	E0
Passenger Carrying Road Vehicle or Passenger Carrying Railway Vehicle Index	:	0.05 kg,0.05 L

14.2. Transport information/DOT

DOT

DOT NA no.	:	UN3373
UN-No.(DOT)	:	3373
Transport document description	:	UN3373 Biological substance, Category B, 6.2
Proper Shipping Name (DOT)	:	Biological substance, Category B
Contains Statement Field Selection (DOT)	:	
Class (DOT)	:	6.2 - Class 6.2 - Infectious substance (etiologic agent) 49 CFR 173.134
Division (DOT)	:	6.2
Dangerous for the environment	:	No
DOT Special Provisions (49 CFR 172.102)	:	A82 - The quantity limits in columns (9A) and (9B) do not apply to human or animal body parts, whole organs or whole bodies known to contain or suspected of containing an infectious substance.
DOT Packaging Exceptions (49 CFR 173.xxx)	:	134
DOT Packaging Non Bulk (49 CFR 173.xxx)	:	199
DOT Packaging Bulk (49 CFR 173.xxx)	:	None
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	:	4 L or 4 kg
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	4 L or 4 kg
DOT Vessel Stowage Location	:	A - The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other	:	40 - Stow ‘‘clear of living quarters’’
Emergency Response Guide (ERG) Number	:	158
Other information	:	No supplementary information available.

DOT NA no.	:	UN2814
UN-No.(DOT)	:	2814
DOT Symbols	:	G - Identifies PSN requiring a technical name
Transport document description	:	UN2814 Infectious substances, affecting humans, 6.2
Proper Shipping Name (DOT)	:	Infectious substances, affecting humans
Contains Statement Field Selection (DOT)	:	
Class (DOT)	:	6.2 - Class 6.2 - Infectious substance (etiologic agent) 49 CFR 173.134
Division (DOT)	:	6.2

Hazard labels (DOT)	:	6.2 - Infectious substance



Dangerous for the environment	:	No
DOT Special Provisions (49 CFR 172.102)	:	A82 - The quantity limits in columns (9A) and (9B) do not apply to human or animal body parts, whole organs or whole bodies known to contain or suspected of containing an infectious substance.
DOT Packaging Exceptions (49 CFR 173.xxx)	:	134
DOT Packaging Non Bulk (49 CFR 173.xxx)	:	196
DOT Packaging Bulk (49 CFR 173.xxx)	:	None
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	:	50 mL or 50 g
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	:	4 L or 4 kg
DOT Vessel Stowage Location	:	B - (i) The material may be stowed ‘‘on deck’’ or ‘‘under deck’’ on a cargo vessel and on a passenger vessel carrying a number of passengers limited to not more than the larger of 25 passengers, or one passenger per each 3 m of overall vessel length; and (ii) ‘‘On deck only’’ on passenger vessels in which the number of passengers specified in paragraph (k)(2)(i) of this section is exceeded.
DOT Vessel Stowage Other	:	40 - Stow ‘‘clear of living quarters’’
Emergency Response Guide (ERG) Number	:	158
Other information	:	No supplementary information available.

14.3. Air and sea transport

IMDG

UN-No. (IMDG)	:	3373
Proper Shipping Name (IMDG)	:	BIOLOGICAL SUBSTANCE, CATEGORY B
Transport document description (IMDG)	:	UN 3373 BIOLOGICAL SUBSTANCE, CATEGORY B, 6.2
Class (IMDG)	:	6.2 - Infectious substances
UN-No. (IMDG)	:	2814
Proper Shipping Name (IMDG)	:	INFECTIOUS SUBSTANCE, AFFECTING HUMANS
Transport document description (IMDG)	:	UN 2814 INFECTIOUS SUBSTANCE, AFFECTING HUMANS, 6.2
Class (IMDG)	:	6.2 - Infectious substances

IATA

UN-No. (IATA)	:	3373
Proper Shipping Name (IATA)	:	Biological substance, category b
Transport document description (IATA)	:	UN 3373 Biological substance, category b, 6.2
Class (IATA)	:	6.2 - Infectious Substances
UN-No. (IATA)	:	2814
Proper Shipping Name (IATA)	:	Infectious substance, affecting humans
Transport document description (IATA)	:	UN 2814 Infectious substance, affecting humans, 6.2
Class (IATA)	:	6.2 - Infectious Substances

SECTION 15: Regulatory information

15.1. Canada National regulations

Water (7732-18-5)
Listed on the Canadian DSL (Domestic Sustances List)

Glucose (50-99-7)
Listed on the Canadian DSL (Domestic Sustances List)

Sucrose (57-50-1)
Listed on the Canadian DSL (Domestic Sustances List)

Carbon (7440-44-0)
Listed on the Canadian DSL (Domestic Sustances List)

Gelatin (9000-70-8)
Listed on the Canadian DSL (Domestic Sustances List)

L-Ascorbic acid (50-81-7)
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)

15.2. US Federal regulations

Water (7732-18-5)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Glucose (50-99-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Sucrose (57-50-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Carbon (7440-44-0)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Gelatin (9000-70-8)	
Listed on the United States TSCA (Toxic Substances Control Act) inventory	
EPA TSCA Regulatory Flag	XU - XU - indicates a substance exempt from reporting under the Inventory Update Reporting Rule, i.e, Partial Updating of the TSCA Inventory Data Base Production and Site Reports (40 CFR 710(C)).

L-Ascorbic acid (50-81-7)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

Phosphoric acid, potassium salt (1:1) (7778-77-0)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.3. US State regulations

Sucrose (57-50-1)
U.S. - Massachusetts - Right To Know List U.S. - Minnesota - Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information

No data available

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