



Safety Data Sheet

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This Safety Data Sheet has been prepared in accordance with the Industrial Safety and Health Law, 39-1 and 41

SECTION 1: Identification

1.1. Product identifier

3M Pipette Swab Plus, Saline

Product Identification Numbers

WH-4000-6678-0 WH-4000-9806-4 WX-3009-4649-7 WX-3009-4763-6

1.2. Recommended use and restrictions on use

Recommended use

environment sampling, to swab and dilute samples

1.3. Supplier's details

Company:	3M Korea
ADDRESS:	19F, 82, Uisadang-daero, Yeongdeungpo-gu, Seoul, 150-705, Korea
Telephone:	82-2-3771-4114
Website:	www.3m.com/kr
Emergency Telephone:	82-80-033-4114

SECTION 2: Hazard identification

2.1. Classification of the substance or mixture

Not classified as hazardous according to Chemical Control Act.

2.2. Label elements

SIGNAL WORD

Not applicable.

Symbols

Not applicable.

Pictograms

Not applicable.

HAZARD STATEMENTS

Not Applicable

PRECAUTIONARY STATEMENTS

Not Applicable

2.3. Other hazards

None known

SECTION 3: Composition/information on ingredients

This material is a mixture.

Ingredient	Common Name	C.A.S. No.	% by Wt
WATER	DISTILLED WATER	7732-18-5	90 - 100
SODIUM CHLORIDE	SEA SALT	7647-14-5	< 1

SECTION 4: First aid measures**4.1. Description of first aid measures****Eye Contact:**

No need for first aid is anticipated.

Skin Contact:

No need for first aid is anticipated.

Inhalation:

No need for first aid is anticipated.

If Swallowed:

No need for first aid is anticipated.

4.2. Most important symptoms and effects, both acute and delayed

No critical symptoms or effects. See Section 11.1, information on toxicological effects.

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

Not applicable.

SECTION 5: Fire-fighting measures**5.1. Suitable extinguishing media**

In case of fire: Use a fire fighting agent suitable for ordinary combustible material such as water or foam to extinguish.

5.2. Special hazards arising from the substance or mixture

None inherent in this product.

5.3. Special protective actions for fire-fighters

Wear full protective clothing, including helmet, self-contained, positive pressure or pressure demand breathing apparatus, bunker coat and pants, bands around arms, waist and legs, face mask, and protective covering for exposed areas of the head.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Not applicable.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Remember, adding an absorbent material does not remove a physical, health, or environmental hazard. Collect as much of the spilled material as possible. Place in a closed container approved for transportation by appropriate authorities. Clean up residue with water. Seal the container. Dispose of collected material as soon as possible in accordance with applicable local/regional/national/international regulations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

For industrial/occupational use only. Not for consumer sale or use. Avoid release to the environment.

7.2. Conditions for safe storage including any incompatibilities

No special storage requirements.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

No occupational exposure limit values exist for any of the components listed in Section 3 of this SDS.

8.2. Engineering controls

No engineering controls required.

8.3. Personal protective equipment (PPE)

Eye/face protection

None required.

Hand Protection

No chemical protective gloves are required.

Body protection

None required.

Respiratory protection

None required.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Specific Physical Form:	liquid
Color	Light Brown
Odor	Odorless
Odor threshold	No Data Available
pH	7 - 8
Melting point/Freezing point	No Data Available
Boiling point/Initial boiling point/Boiling range	No Data Available

Flash Point	No Data Available
Evaporation rate	No Data Available
Flammability (solid, gas)	Not Applicable
Flammable Limits(LEL)	No Data Available
Flammable Limits(UEL)	No Data Available
Vapor Pressure	No Data Available
Vapor Density and/or Relative Vapor Density	No Data Available
Density	No Data Available
Relative Density	0.9 - 1.1
Water solubility	No Data Available
Solubility- non-water	No Data Available
Partition coefficient: n-octanol/ water	No Data Available
Autoignition temperature	No Data Available
Decomposition temperature	No Data Available
Viscosity/Kinematic Viscosity	No Data Available
Volatile Organic Compounds	
Percent volatile	
VOC Less H2O & Exempt Solvents	
Molecular weight	No Data Available

Nanoparticles

This material does not contain nanoparticles.

SECTION 10: Stability and reactivity**10.1. Reactivity**

This material is considered to be non reactive under normal use conditions.

10.2. Chemical stability

Stable.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products**Substance****Condition**

None known.

SECTION 11: Toxicological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and/or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1. Information on Toxicological effects

Signs and Symptoms of Exposure

Based on test data and/or information on the components, this material may produce the following health effects:

Inhalation:

No known health effects.

Skin Contact:

Contact with the skin during product use is not expected to result in significant irritation.

Eye Contact:

Contact with the eyes during product use is not expected to result in significant irritation.

Ingestion:

No known health effects.

Toxicological Data

If a component is disclosed in section 3 but does not appear in a table below, either no data are available for that endpoint or the data are not sufficient for classification.

Acute Toxicity

Name	Route	Species	Value
Overall product	Ingestion	N/A	No data available; calculated ATE >5,000 mg/kg
SODIUM CHLORIDE	Dermal	Rabbit	LD50 > 10,000 mg/kg
SODIUM CHLORIDE	Inhalation-Dust/Mist (4 hours)	Rat	LC50 > 10.5 mg/l
SODIUM CHLORIDE	Ingestion	Rat	LD50 3,550 mg/kg

ATE = acute toxicity estimate

Skin Corrosion/Irritation

Name	Species	Value
Overall product	N/A	Data not available or insufficient for classification
SODIUM CHLORIDE	Rabbit	No significant irritation

Serious Eye Damage/Irritation

Name	Species	Value
Overall product	N/A	Data not available or insufficient for classification
SODIUM CHLORIDE	Rabbit	Mild irritant

Skin Sensitization

Name	Species	Value
Overall product	N/A	Data not available or insufficient for classification
SODIUM CHLORIDE	N/A	Data not available or insufficient for classification

Photosensitization

Name	Species	Value
Overall product	N/A	Data not available or insufficient for classification
SODIUM CHLORIDE	N/A	Data not available or insufficient for classification

Respiratory Sensitization

Name	Species	Value
Overall product	N/A	Data not available or insufficient for classification

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SODIUM CHLORIDE	N/A	Data not available or insufficient for classification
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Germ Cell Mutagenicity

Name	Route	Value
Overall product	N/A	Data not available or insufficient for classification
SODIUM CHLORIDE	In Vitro	Some positive data exist, but the data are not sufficient for classification
SODIUM CHLORIDE	In vivo	Some positive data exist, but the data are not sufficient for classification

Carcinogenicity

Name	Route	Species	Value
Overall product	N/A	N/A	Data not available or insufficient for classification
SODIUM CHLORIDE	Ingestion	Rat	Not carcinogenic

Reproductive Toxicity**Reproductive and/or Developmental Effects**

Name	Route	Value	Species	Test Result	Exposure Duration
Overall product	N/A	Data not available or insufficient for classification	N/A	N/A	N/A
SODIUM CHLORIDE	N/A	Data not available or insufficient for classification	N/A	N/A	N/A

Lactation

Name	Route	Species	Value
Overall product	N/A	N/A	Data not available or insufficient for classification
SODIUM CHLORIDE	N/A	N/A	Data not available or insufficient for classification

Target Organ(s)**Specific Target Organ Toxicity - single exposure**

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
Overall product	N/A	N/A	Data not available or insufficient for classification	N/A	N/A	0
SODIUM CHLORIDE	N/A	N/A	Data not available or insufficient for classification	N/A	N/A	0

Specific Target Organ Toxicity - repeated exposure

Name	Route	Target Organ(s)	Value	Species	Test Result	Exposure Duration
Overall product	N/A	N/A	Data not available or insufficient for classification	N/A	N/A	0
SODIUM CHLORIDE	Ingestion	blood kidney and/or bladder vascular system	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 2,240 mg/kg/day	9 months
SODIUM CHLORIDE	Ingestion	nervous system eyes	Some positive data exist, but the data are not sufficient for classification	Rat	NOAEL 1,700 mg/kg/day	90 days
SODIUM CHLORIDE	Ingestion	liver respiratory system	Not classified	Rat	NOAEL 33 mg/kg/day	90 days

Aspiration Hazard

Name	Value
Overall product	Data not available or insufficient for classification
SODIUM CHLORIDE	Data not available or insufficient for classification

Please contact the address or phone number listed on the first page of the SDS for additional toxicological information on this material and/or its components.

SECTION 12: Ecological information

The information below may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. Additional information leading to material classification in Section 2 is available upon request. In addition, environmental fate and effects data on ingredients may not be reflected in this section because an ingredient is present below the threshold for labeling, an ingredient is not expected to be available for exposure, or the data is considered not relevant to the material as a whole.

12.1. Toxicity

Acute aquatic hazard:

Not acutely toxic to aquatic life by GHS criteria.

Chronic aquatic hazard:

Not chronically toxic to aquatic life by GHS criteria.

Material	Organism	Type	Exposure	Test Endpoint	Test Result
Overall product	N/A	Data not available or insufficient for classification	N/A	N/A	N/A

Material	Cas #	Organism	Type	Exposure	Test Endpoint	Test Result
SODIUM CHLORIDE	7647-14-5	Activated sludge	Experimental	N/A	NOEC	8,000 mg/l
SODIUM CHLORIDE	7647-14-5	Algae other	Experimental	96 hours	EC50	2,430 mg/l
SODIUM CHLORIDE	7647-14-5	Bluegill	Experimental	96 hours	LC50	5,840 mg/l
SODIUM CHLORIDE	7647-14-5	Fathead Minnow	Experimental	33 days	NOEC	252 mg/l
SODIUM CHLORIDE	7647-14-5	Water flea	Experimental	21 days	NOEC	314 mg/l
SODIUM CHLORIDE	7647-14-5	Water flea	Experimental	48 hours	LC50	874 mg/l

12.2. Persistence and degradability

Material	CAS No.	Test Type	Duration	Study Type	Test Result	Protocol
Overall product	None	DATA not available or insufficient for	N/A	N/A	N/A	N/A
SODIUM CHLORIDE	7647-14-5	Data not availabl- insufficient	N/A	N/A	N/A	N/A

12.3. Bioaccumulative potential

Material	CAS No.	Test Type	Duration	Study Type	Test Result	Protocol
Overall product	None	Data not	N/A	N/A	N/A	N/A

		available or insufficient for classification				
SODIUM CHLORIDE	7647-14-5	Data not available or insufficient for classification	N/A	N/A	N/A	N/A

12.4. Mobility in soil

Please contact manufacturer for more details

12.5 Other adverse effects

Material	CAS No.	Ozone Depletion Potential	Global Warming Potential
Overall product	None	Data not available or insufficient for classification	Data not available or insufficient for classification
SODIUM CHLORIDE	7647-14-5	Data not available or insufficient for classification	Data not available or insufficient for classification

SECTION 13: Disposal considerations

13.1. Disposal methods

Dispose of contents/ container in accordance with the local/regional/national/international regulations.

13.2. Disposal Considerations (including disposal method for contaminated drums, barrels, or other packagings) :

Prior to disposal, consult all applicable authorities and regulations to insure proper classification. Dispose of waste product in a permitted industrial waste facility. As a disposal alternative, incinerate in a permitted waste incineration facility. Proper destruction may require the use of additional fuel during incineration processes. Empty and clean product containers may be disposed as non-hazardous waste. Consult your specific regulations and service providers to determine available options and requirements.

SECTION 14: Transport Information

14.1 International Regulations

UN No.: Not applicable

UN Proper shipping name: Not applicable

Transportation Class (IMO): Not applicable

Transportation Class (IATA): Not applicable

Packing Group: Not applicable

Marine pollutant: Not applicable

User informed transportation or shipping and required safety plan: Not applicable

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**Global inventory status**

Contact 3M for more information. The components of this material are in compliance with the provisions of the Korea Chemical Control Act. Certain restrictions may apply. Contact the selling division for additional information.

Contact 3M Korea for more information.

This product may contain component(s) that are regulated by the following:

Occupational Safety and Health Act

Prohibited substance(s):Not Applicable
Substance(s) subject to management:Not Applicable
Substance(s) that require a permit:Not Applicable
Special management substance(s):Not Applicable
Workspace measurement substance(s):Not Applicable
Substance(s) that require special medical examination:Not Applicable
Substance(s) with exposure standards:Not Applicable
Substance(s) that require observance of Permissible Level of Harmful Factor:Not Applicable
PSM reporting substance(s):Not Applicable

Chemical Substances Control Act

Toxic substance(s):Not Applicable
Chemical(s) requiring a permission:Not Applicable
Restricted substance(s):Not Applicable
Prohibited substance(s):Not Applicable
Substance(s) requiring preparation for accidents:Not Applicable

Act on the Safety Control of Hazardous Substances

Act on the Safety Control of Hazardous Substances: This product is not classified as hazardous goods under Korea Hazardous Goods Safety Control Law.

Wastes Control Act

Waste Control Act: This product is classified as designated waste

Other domestic and abroad regulations:

No Data

SECTION 16: Other information

16.1. References:

Regulation on C&L and Safety Data Sheet of Chemical substance(No. 2020-130), OCCUPATIONAL SAFETY AND HEALTH ACT, CHEMICAL SUBSTANCES CONTROL ACT, WASTES CONTROL ACT, ACT ON THE SAFETY CONTROL OF HAZARDOUS SUBSTANCES , ACT ON REGISTRATION.EVALUATION.ETC. OF CHEMICALS, ACT ON THE CONTROL, ETC. OF MANUFACTURE OF SPECIFIC SUBSTANCES FOR THE PROTECTION OF THE OZONE LAYER.

16.2. Initial creation date:2014/01/16

16.3. Revision frequency and final revision date:

Revision frequency :3

Final Revision Date :2021/07/19

16.4. Others:Not Applicable

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3M Korea SDSs are available at www.3m.com/kr