

# SAFETY DATA SHEET

IB70167 – 10X PHOSPHATE BUFFERED SALINE WITH TWEEN 20



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Rev. 1

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

**Product Name:** 10X PBS (Phosphate Buffered Saline) with 0.5% Tween 20  
**Product Code:** IB70167  
**Recommend Use:** For further manufacturing use only  
Not for human or animal drug use  
**Company:** IBI SCIENTIFIC  
7445 Chavenelle Road  
Dubuque, IA 52002  
**Emergency Tele. Number:** 3E Company (Acct# 9027) 1-800-451-8346 / (001) 760-602-8703  
**Company Tele. Number:** 1-800-253-4942 / (001) 563-690-0484  
**E-Mail Address:** [info@ibisci.com](mailto:info@ibisci.com)

## 2. HAZARDOUS IDENTIFICATION

### GHS – Classification

**Classification:** Not a hazardous substance or mixture.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name:	EC No.:	CAS No.:	Weight %:	Classification:
<u>Sodium Chloride</u>	EEC No. 231-598-3	7647-14-5	>10%	-
<u>Sodium Phosphate</u>	EEC No. 231-448-7	7558-79-4	>2%	-
<u>Potassium Phosphate</u>	EEC No. 231-913-4	7778-77-0	>1%	-
<u>Potassium Chloride</u>	EEC No. 231-211-8	7447-40-7	>1%	-
<u>Tween 20</u>	EEC No. 500-018-3	9005-64-5	0.5%	-

## 4. FIRST AID MEASURES

**Eye Contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.  
**Skin Contact:** Wash off immediately with soap and plenty of water, removing all contaminated clothes and shoes.  
**Inhalation:** Move to fresh air. If breathing becomes difficult, give oxygen.  
**Ingestion:** Clean mouth with water and afterwards drink plenty of water. Get medical attention if symptoms occur.  
**Notes to Physician:** Treat symptomatically.

## 5. FIRE FIGHTING MEASURES

**Flammable Properties:** Not flammable  
**Flash Point:** Not determined  
**Suitable Extinguishing Media:** Dry chemical, CO<sub>2</sub>, water spray, or regular foam

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<b>Hazardous Combustion Products:</b>	No information available
<b>Explosion Data</b>	
Sensitivity to Mechanical Impact:	Not sensitive
Sensitivity to Static Discharge:	Not sensitive
<b>Protective Equip. &amp; Precautions for Firefighters:</b>	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equiv.) and full protective gear.

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Avoid contact with skin, eyes, and clothing. Use personal protective equipment. Ensure adequate ventilation.
<b>Methods for Containment:</b>	Prevent further leakage or spillage, if safe to do so.
<b>Methods for Cleaning Up:</b>	Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

### 7. HANDLING AND STORAGE

<b>Handling:</b>	Handle in accordance with good industrial hygiene and safety practice.
<b>Storage:</b>	Keep container tightly closed in a dry, cool, and well-ventilated place.

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>Engineering Measures:</b>	Showers, Eyewash Stations, Ventilation Systems
<b>Personal Protective Equipment</b>	
Eye/Face Protection:	Tight fitting safety goggles.
Skin & Body Protection:	Wear protective gloves/clothing.
Respiratory Protection:	No protective equipment is needed under normal use conditions.
<b>Hygiene Measures:</b>	Handle in accordance with good industrial hygiene and safety practice.

### 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear and colorless liquid
<b>Odor:</b>	No information available
<b>Odor Threshold:</b>	No information available
<b>Decomposition Temp. °C:</b>	No information available
<b>Freezing Point:</b>	No information available
<b>Initial Boiling Point:</b>	No information available
<b>Physical State:</b>	Liquid
<b>pH:</b>	No data available
<b>Flash Point:</b>	No data available
<b>Autoignition Temp. °C:</b>	No data available
<b>Boiling Point/Range:</b>	No data available
<b>Melting Point/Range:</b>	No data available
<b>Flammability Limits (Air):</b>	<u>Upper</u> -No data available * <u>Lower</u> -No data available
<b>Explosive Properties:</b>	No information available
<b>Oxidizing Properties:</b>	No information available
<b>Evaporation Rate:</b>	No data available
<b>MMHG @ 37.8°C:</b>	No data available
<b>Vapor Density:</b>	No data available
<b>Specific Gravity:</b>	No data available
<b>Density:</b>	No data available
<b>Solubility:</b>	No information available
<b>Water Solubility:</b>	No data available
<b>Partition Coefficient (n-octanol/water):</b>	No data available
<b>Viscosity:</b>	No information available

**10. STABILITY AND REACTIVITY**

<b>Reactive Hazard:</b>	None known, based on information available
<b>Stability:</b>	Stable under recommended storage conditions
<b>Incompatible Products:</b>	Strong oxidizing agents
<b>Conditions to Avoid:</b>	Incompatible products
<b>Hazardous Decomposition Products:</b>	Hydrogen chloride, Oxides of phosphorus, Sodium oxides
<b>Hazardous Polymerization:</b>	Hazardous polymerization does not occur.
<b>Hazardous Reactions:</b>	None under normal processing.

**11. TOXICOLOGICAL INFORMATION****Acute Toxicity**

Product Information:	Irritating to eye, skin, and respiratory system.		
Chemical Name:	<u>LD50 Oral</u>	<u>LD50 Dermal</u>	<u>LC50 Inhalation</u>
Sodium Chloride:	3g/kg (Rat)	10g/kg (Rabbit)	42g/m <sup>3</sup> (Rat) 1hr
Sodium Phosphate:	17g/kg (Rat)	-	-
Potassium Phosphate:	-	4640mg/kg (Rabbit)	-
Potassium Chloride:	2600mg/kg (Rat)	-	-
Tween 20:	37000 mg/kg (Rat)	-	-
	36700 µL/kg (Rat)		

**Chronic Toxicity**

Chronic Toxicity: No known effect based on information supplied.

Target Organ Effects: No data available

**12. ECOLOGICAL INFORMATION**

<b>Ecotoxicity:</b>	Harmful to aquatic organisms.	
Chemical Name:	<u>Sodium Chloride</u>	<u>Potassium Chloride</u>
Toxicity to Algae:	-	EC50 = 2500mg/L 72hr
Toxicity to Fish:	LC50 = 6020-7070mg/L Pimephales promelas (96hr) LC50 = 6420-6700mg/L Pimephales promelas (96hr) LC50 = 4747-7824mg/L Oncorhynchus mykiss (96hr)	LC50 = 750-1020mg/L Pimephales promelas (96hr) LC50 = 1060mg/L Lepomis macrochirus (96hr)
	LC50 = 12946mg/L Lepomis macrochirus (96hr) LC50 = 7050mg/L Pimephales promelas (96hr) LC50 = 5560-6080mg/L Lepomis macrochirus (96hr)	
Microtox	-	-
Daphnia Magna (Water Flea):	-	-

**13. DISPOSAL CONSIDERATIONS**

<b>Water Disposal Method:</b>	Dispose of material in accordance with all federal, state, and local regulations.
<b>Contaminated Packaging:</b>	Dispose of in accordance with all federal, state, and local regulations.

**14. TRANSPORT INFORMATION****IATA**

Not regulated

**US DOT**

Not regulated

**15. TOXICOLOGICAL INFORMATION****REACH Title VII Restrictions**

	No information available	
Chemical Name:	<u>Sodium Chloride</u>	<u>Sodium Phosphate</u>
Dangerous Substances:	Not applicable	Not applicable
Organic Solvents:	Not applicable	Not applicable
Harmful Substances Whose Names are to be indicated on the Label:	Not applicable	Not applicable
Pollution Release and Transfer Registry (Class II):	Not applicable	Not applicable
Pollution Release and Transfer Registry (Class I):	Not applicable	Not applicable
Poison and Deleterious Substances Control Law:	Not applicable	Not applicable
ISHA – Harmful Substances Prohibited for Manufacturing, Importing, Transferring, or Supplying:	Not applicable	Not applicable
ISHA – Harmful Substances Requiring Permission:	Not applicable	Not applicable
Toxic Chemical Classification Listing (TCCL):	Not applicable	Not applicable
Toxic Release Inventory (TRI) – Group I:	Not applicable	Not applicable
Toxic Release Inventory (TRI) – Group II:	Not applicable	Not applicable
Chemical Name:	<u>Potassium Phosphate</u>	<u>Potassium Chloride</u>
Dangerous Substances:	Not applicable	Not applicable
Organic Solvents:	Not applicable	Not applicable
Harmful Substances Whose Names are to be indicated on the Label:	Not applicable	Not applicable
Pollution Release and Transfer Registry (Class II):	Not applicable	Not applicable
Pollution Release and Transfer Registry (Class I):	Not applicable	Not applicable
Poison and Deleterious Substances Control Law:	Not applicable	Not applicable
ISHA – Harmful Substances Prohibited for Manufacturing, Importing, Transferring, or Supplying:	Not applicable	Not applicable
ISHA – Harmful Substances Requiring Permission:	Not applicable	Not applicable
Toxic Chemical Classification Listing (TCCL):	Not applicable	Not applicable
Toxic Release Inventory (TRI) – Group I:	Not applicable	Not applicable
Toxic Release Inventory (TRI) – Group II:	Not applicable	Not applicable
Chemical Name:	<u>Tween 20</u>	
Dangerous Substances:	Not applicable	
Organic Solvents:	Not applicable	
Harmful Substances Whose Names are to be indicated on the Label:	Not applicable	
Pollution Release and Transfer Registry (Class II):	Not applicable	
Pollution Release and Transfer Registry (Class I):	Not applicable	
Poison and Deleterious Substances Control Law:	Not applicable	
ISHA – Harmful Substances Prohibited for Manufacturing, Importing, Transferring, or Supplying:	Not applicable	
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Toxic Chemical Classification Listing (TCCL):	Not applicable	
Toxic Release Inventory (TRI) – Group I:	Not applicable	
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### International Inventories

TSCA:	Complies
DSL:	Complies
EINECS/ELINCS:	Complies
ENCS:	Complies
IECSC:	Complies
KECL	Does not comply
PICCS	Complies
AICS	Complies

### U.S. Federal Regulations

#### **SARA 313**

Section 313 of Title III of the superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain a chemical/chemicals which are subject to the reporting requirements of the Act & Title 40 of the Code of Federal Regulations, part 372.

#### SARA 311/312 Hazard Categories

Acute Health Hazard	No
Chronic Health Hazard	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

#### **Clean Water Act**

This product does not contain any substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

#### **Clean Air Act**

Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61). This product does not contain any substances which are listed hazardous air pollutants (HAPs) under Section 112 of the Clean Air Act.

#### **CERCLA**

Chemical Name:	Sodium Phosphate - #7558-79-4
Hazardous Substance RQs:	5000lbs
Extremely Hazardous Substances RQs:	X

### U.S. State Regulations

#### **California Proposition 65**

This product does not contain any Proposition 65 chemicals.

#### **Chemical Name:**

Sodium Phosphate - #7558-79-4

#### **State**

Massachusetts	X
New Jersey	X
Pennsylvania	X
Illinois	-
Rhode Island	-

### International Regulations

#### **Mexico**

No information available

#### **Canada**

No information available

**WHMIS Hazard Class**  
D2B – Toxic materials

**16. OTHER INFORMATION**

**Issuing Date:** 02-Jun-2023  
**Revision Date:** -  
**Revision Note:** -  
**Recommended Restrictions:** No information available  
**Disclaimer:** The information provided on this SDS 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 guide for safe handling, use, processing, storage, transportation, disposal, and release; and is not to be considered as 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 material or in any process, unless specified in the test.

**End of Safety Data Sheet**