

Safety Data Sheet (SDS)

SDS 638-94823 EN

USP643 System Stability Set (Special Grade Reagent)

2020/07/08

Section 1. Product and Manufacturer Identification

Product Name:	Sucrose TOC Std.
Name of Supplier:	Shimadzu Corporation
Address:	1, Nishikyo Kuwabara-cho, Nakagyo-ku, Kyoto 604-8511, Japan
Section in Charge:	Environmental Business Unit, Analytical & Measuring Instruments Division
Telephone:	+81-75-823-1207
FAX:	+81-75-823-4614
Use of the Product:	This product is for analytical research use only. Not applicable for clinical and/or diagnostic purpose.

Section 2. Hazards Identification

GHS Classification:	Not classified	
GHS Label Elements:	Symbol:	Not applicable.
	Signal word:	Not applicable.
	Hazard Statements:	—
Hazard Statements:	Prevention:	Wash exposed skin such as face and hands after handling.
	Response:	In case of contact with eyes, wash carefully for several minutes.
	Storage:	—
	Disposal:	—

Section 3. Composition/Information on Ingredients

Substance/Mixture:	Mixture
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Composition:

Ingredient name	Concentration (w/w%)	CAS number
Sucrose	<0.2%	57-50-1
Ultrapure water	>99.8%	7732-18-5

Section 4. First-Aid Measure

Inhalation:	—
Skin Contact:	—
Eye Contact:	—
Ingestion:	—

Section 5. Fire-Fighting Measures

Extinguishing Media: Use water mist, foam, powder, carbon dioxide, dry sand.

Specific Hazards of Chemical: –

Section 6. Accidental Release Measures

Personal Precautions: –

Environmental Precautions: –

Containment and Cleanup: –

Section 7. Handling and Storage

Handling: Wear appropriate protective equipment in order to avoid contacting with eyes and skin.

Storage: Store in accordance with local regulations. Keep $4 \pm 2^{\circ}\text{C}$ in a well-ventilated area away from direct sunlight. Transfer to another container is prohibited to maintain quality.

Section 8. Exposure Controls/Personal Protection

Exposure Limits: –

Engineering Controls: No specific controls are needed. Keep room ventilation adequate.

Skin Protection: Wear impervious glove.

Eye Protection: Wear safety glasses or goggles.

Section 9. Physical and Chemical Properties

Appearance: Clear, colorless liquid.

Odor: Odorless.

Melting/ Freezing Point: 0°C

Boiling Point/ Boiling Range: 100°C

Flammability: Incombustibility.

Density/ Relative Density: Not available.

Flash Point: Incombustibility.

Lower and Upper Explosive Limits: Not available.

Auto Ignition Temperature: Incombustibility.

Decomposition Temperature: Not available.

pH: Not available.

Viscosity: Not available.

Water Solubility: –

Vapor Pressure: Not available.

Section 10. Stability and Reactivity

Reactivity:	Not available.
Stability:	Stable under normal conditions.
Possibility of Hazardous Reaction:	Hazardous reaction should not occur under normal conditions of use and storage.
Conditions to Avoid:	Avoid temperatures outside the range, $4 \pm 2^\circ\text{C}$.
Incompatible Materials:	Not available.
Hazardous Decomposition Products:	Hazardous decomposition products should not be produced under normal conditions of use and storage.

Section 11. Toxicological Information

Acute Toxicity:	Not available.
Irritation/ Corrosion:	Not available.
Sensitization:	Not available.
Mutagenicity:	Not available.
Carcinogenicity:	Not available.
Reproductive Toxicity:	Not available.
Specific Target Organ Toxicity:	Single Exposure: Not available. Repeated Exposure: Not available.
Aspiration Hazard:	Not available.

Section 12. Ecological Information

Toxicity:	Not available.
Persistence/ Degradability:	Not available.
Bioaccumulative Potential:	Not available.
Mobility in Soil:	Not available.
Hazard to the ozone layer:	Not available.

Section 13. Disposal Considerations

Dispose of contents/ container according to all federal, state and local environmental regulations.

Section 14. Transport Information

ADR/RID:	Not regulated.
IMDG:	Not regulated.
IATA:	Not regulated.
Transportation Precautions:	Keep $4 \pm 2^\circ\text{C}$ out of direct sunlight. Prevent from dropping and turning over.

Section 15. Regulatory Information

TSCA All components of this solution are listed on the TSCA Inventory.

Comply with all countries, national and local regulations.

Section 16. Other Information

Date of Issue/ Revision: 2020/07/08

Section 1. Product and Manufacturer Identification

Product Name:	p-Benzoquinone Std.
Name of Supplier:	Shimadzu Corporation
Address:	1, Nishikyo Kuwabara-cho, Nakagyo-ku, Kyoto 604-8511, Japan
Section in Charge:	Environmental Business Unit, Analytical & Measuring Instruments Division
Telephone:	+81-75-823-1207
FAX:	+81-75-823-4614
Use of the Product:	This product is for analytical research use only. Not applicable for clinical and/or diagnostic purpose.

Section 2. Hazards Identification

GHS Classification:	Harmful to aquatic life: 3 Harmful to aquatic life with long lasting effects: 3	
GHS Label Elements:	Symbol:	Not applicable.
	Signal word:	Not applicable.
	Hazard Statements:	Harmful to aquatic life with long lasting effects.
Hazard Statements:	Prevention:	Wash exposed skin such as face and hands after handling.
	Response:	In case of contact with eyes, wash carefully for several minutes.
	Storage:	—
	Disposal:	Dispose of contents and container in accordance with all local, regional, national and international regulations.

Section 3. Composition/Information on Ingredients

Substance/Mixture:	Mixture
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Composition:

Ingredient name	Concentration (w/w%)	CAS number
p-Benzoquinone	<0.1%	106-51-4
Ultrapure water	>99.9%	7732-18-5

Section 4. First-Aid Measure

Inhalation:	Remove to uncontaminated area and supply fresh air. Promptly consult doctor.
Skin Contact:	Take off contaminated clothing and wash skin with plenty of water.
Eye Contact:	Flush eyes with plenty of water for at least 15 minutes and obtain medical attention.
Ingestion:	Drink plenty of water to induce vomiting and obtain medical attention.

Section 5. Fire-Fighting Measures

Extinguishing Media: Use water mist, foam, powder, carbon dioxide, dry sand.

Specific Hazards of Chemical: –

Section 6. Accidental Release Measures

Personal Precautions: Wear appropriate protective equipment

Environmental Precautions: Attention should be paid so that leaked products are discharged into rivers, etc., and do not affect the environment. Care should be taken not to discharge contaminated wastewater to the environment without proper treatment. A large release may be hazardous to the environment and should be reported to the relevant authorities.

Containment and Cleanup: Collect the chemical in the waste treatment container, and dispose it at the request of licensed waste disposal companies.

Section 7. Handling and Storage

Handling: Wear appropriate protective equipment in order to avoid contacting with eyes and skin.

Storage: Store in accordance with local regulations. Keep $4 \pm 2^\circ\text{C}$ in a well-ventilated area away from direct sunlight. Transfer to another container is prohibited to maintain quality.

Section 8. Exposure Controls/Personal Protection

Exposure Limits: Not available.

Engineering Controls: No specific controls are needed. Keep room ventilation adequate.

Skin Protection: Wear impervious glove.

Eye Protection: Wear safety glasses or goggles.

Section 9. Physical and Chemical Properties

Appearance: Clear, colorless liquid.

Odor: Odorless.

Melting/ Freezing Point: 0°C

Boiling Point/ Boiling Range: 100°C

Flammability: Incombustibility.

Density/ Relative Density: Not available.

Flash Point: Incombustibility.

Lower and Upper Explosive Limits: Not available.

Auto Ignition Temperature: Incombustibility.

Decomposition Temperature: Not available.

pH:	Not available.
Viscosity:	Not available.
Water Solubility:	—
Vapor Pressure:	Not available.

Section 10. Stability and Reactivity

Reactivity:	Not available.
Stability:	Stable under normal conditions.
Possibility of Hazardous Reaction:	Hazardous reaction should not occur under normal conditions of use and storage.
Conditions to Avoid:	Avoid temperatures outside the range, $4 \pm 2^{\circ}\text{C}$.
Incompatible Materials:	Not available.
Hazardous Decomposition Products:	Hazardous decomposition products should not be produced under normal conditions of use and storage.

Section 11. Toxicological Information

Acute Toxicity:	Not available.
Irritation/ Corrosion	Benzoquinone vapor at 0.5 ppm is irritating to the eyes and is very irritating at 3.0 ppm (HSDB (Access on June 2019))
Sensitization:	Not available.
Mutagenicity:	Not available.
Carcinogenicity:	Not available.
Reproductive Toxicity:	Not available.
Specific Target Organ Toxicity:	Single Exposure: Not available. Repeated Exposure: Not available.
Aspiration Hazard:	Not available.

Section 12. Ecological Information

Toxicity:	Fish (fathead minnow) 96 h LC 50 = 0.045 mg/L (ECETOC TR 91, 2003)
Persistence/ Degradability:	Not available.
Bioaccumulative Potential:	Not available.
Mobility in Soil:	Not available.
Hazard to the ozone layer:	Not available.

Section 13. Disposal Considerations

Dispose of contents/ container according to all federal, state and local environmental regulations.

Section 14. Transport Information

ADR/RID: Not regulated.

IMDG: Not regulated.

IATA: Not regulated.

Transportation Precautions: Keep $4 \pm 2^{\circ}\text{C}$ out of direct sunlight. Prevent from dropping and turning over.

Section 15. Regulatory Information

TSCA All components of this solution are listed on the TSCA Inventory.

Comply with all countries, national and local regulations.

Section 16. Other Information

Date of Issue/ Revision: 2020/07/08

Section 1. Product and Manufacturer Identification

Product Name:	Blank Water
Name of Supplier:	Shimadzu Corporation
Address:	1, Nishikyo Kuwabara-cho, Nakagyo-ku, Kyoto 604-8511, Japan
Section in Charge:	Environmental Business Unit, Analytical & Measuring Instruments Division
Telephone:	+81-75-823-1207
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Substance/Mixture:	Substance
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Composition:

Ingredient name	Concentration (w/w%)	CAS number
Ultrapure water	100%	7732-18-5

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Inhalation:	—
Skin Contact:	—
Eye Contact:	—
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Extinguishing Media:	Use water mist, foam, powder, carbon dioxide, dry sand.
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Personal Precautions:	—
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Boiling Point/ Boiling Range:	100°C
Flammability:	Incombustibility.
Density/ Relative Density:	Not available.
Flash Point:	Incombustibility.
Lower and Upper Explosive Limits:	Not available.
Auto Ignition Temperature:	Incombustibility.
Decomposition Temperature:	Not available.
pH:	Not available.
Viscosity:	Not available.
Water Solubility:	—
Vapor Pressure:	Not available.

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Carcinogenicity:	Not available.
Reproductive Toxicity:	Not available.
Specific Target Organ Toxicity:	Single Exposure: Not available. Repeated Exposure: Not available.
Aspiration Hazard:	Not available.

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Persistence/ Degradability:	Not available.
Bioaccumulative Potential:	Not available.
Mobility in Soil:	Not available.
Hazard to the ozone layer:	Not available.

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