



# Shenzhen Sinsche Technology Co.,Ltd

## MATERIAL SAFETY DATA SHEET

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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** DPD Reagent ①

**Supplier:** Shenzhen Sinsche Technology Co.,Ltd.

ADD: 4/F , T3 Building, Silicon Valley Compound, Qingquan Road, Longhua Street, Longhua District, Shenzhen City, P.RC 518109.

Tel: +86 (755) 82127315 Fax: +86 (755) 82127860

Email:Sinsche@sinsche.com

**Emergency telephone**+86 (755) 82127315 (Mon-Fri 08:30- 18:00)

**Chemical Name:** Not applicable

**CAS No.:** Not applicable

**Chemical Formula:** Not applicable

**Chemical Family:** Not applicable

**PIN:** NA

**Intended Use:** Laboratory Use Determination of chlorine dioxide, chlorite

**Date of MSDS Preparation:**

**Day:** 18

**Month:** June

**Year:** 2020

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### 2. HAZARDS IDENTIFICATION

#### Classification

Not a hazardous substance or mixture according to the Globally Harmonized System(GHS)

#### Label elements

##### **Hazard statements**

Not a hazardous substance or mixture according to the Globally Harmonized System(GHS)

##### **Other Hazards Known**

Not applicable

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### 3. COMPOSITION / INFORMATION ON INGREDIENTS

#### Substance

Not applicable.

#### Mixture

Chemical Family

Mixture.

Chemical Name	EC No.	CAS-No.	Content
Glycine	200-272-2	56-40-6	100%



## 4. FIRST AID MEASURES

**Eye Contact:** Immediately flush eyes with water for 15 minutes. Call physician if irritation develops.

**Skin Contact (First Aid):** Wash skin with plenty of water.

**Ingestion (First Aid):** Give large quantities of water. Call physician immediately.

**Inhalation:** None required.

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## 5. FIRE FIGHTING MEASURES

**Flammable Properties:** Material will not burn.

**Flash Point:** Not Applicable

**Method:** Not applicable

**Flammability Limits:**

**Lower Explosion Limits:** Not Applicable

**Upper Explosion Limits:** Not Applicable

**Autoignition Temperature:** Not Applicable

**Hazardous Combustion Products:** Not applicable

**Fire / Explosion Hazards:** None reported

**Static Discharge:** None reported.

**Mechanical Impact:** None reported

**Extinguishing Media:** Use media appropriate to surrounding fire conditions

**Fire Fighting Instruction:** As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear.

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## 6. ACCIDENTAL RELEASE MEASURES

**Spill Response Notice:**

Only persons properly qualified to respond to an emergency involving hazardous substances should respond to a spill

involving chemicals. See Section 13, Special Instructions for disposal assistance.

**Containment Technique:** Stop spilled material from being released to the environment.

**Clean-up Technique:** Flush reacted material to the drain with a large excess of water. Decontaminate the area of the spill with a soap solution.

**Evacuation Procedure:** Evacuate as needed to perform spill clean-up. If conditions warrant, increase the size of the evacuation.

**D.O.T. Emergency Response Guide Number:** None

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## 7. HANDLING AND STORAGE



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**Handling:** Avoid contact with eyes Do not breathe dust. Wash thoroughly after handling. Maintain general industrial

hygiene practices when using this product.

**Storage:** Keep away from: oxidizers

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** Have an eyewash station nearby. Maintain general industrial hygiene practices when using this product.

**Personal Protective Equipment:**

**Eye Protection:** safety glasses with top and side shields

**Skin Protection:** disposable latex gloves

**Inhalation Protection:** adequate ventilation

**Precautionary Measures:** Avoid contact with: eyes Do not breathe: dust Wash thoroughly after handling. Keep away from: oxidizers

**TLV:** Not Established

**PEL:** Not Established

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Clear crystal

**Physical State:** Solid

**Molecular Weight:** Not Applicable

**Odor:** None

**pH:** Not Determined

**Vapor Pressure:** Not Applicable

**Vapor Density (air = 1):** Not Applicable

**Boiling Point:** 233°C (451 °F)

**Melting Point:** 240°C (464 °F)

**Specific Gravity/ Relative Density (water = 1; air =1):** 1.595 @ 25°C

**Evaporation Rate (water = 1):** Not Determined

**Volatile Organic Compounds Content:** Not Applicable

**Coefficient of Water / Oil:** Not Applicable

**Solubility:**

**Water:** Miscible

**Acid:** Miscible

**Other:** Not Determined

**Metal Corrosivity:**

**Steel:** Not Determined

**Aluminum:** Not Determined

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## 10. STABILITY AND REACTIVITY

**Chemical Stability:** Stable when stored under proper conditions.



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**Conditions to Avoid:** Extreme temperatures

**Reactivity / Incompatibility:** Incompatible with: oxidizers

**Hazardous Decomposition:** Toxic fumes of: nitrogen oxides carbon dioxide carbon monoxide

**Hazardous Polymerization:** Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

**Product Toxicological Data:**

**LD50:** None Reported

**LC50:** None Reported

**Dermal Toxicity Data:** None Reported

**Skin and Eye Irritation Data:** None Reported

**Mutation Data:** Glycine: Sister chromatid exchange, Human lymphocyte, 100 mg/L

**Reproductive Effects Data:** None Reported

**Ingredient Toxicological Data:** Glycine: Oral rat LD50; 7930 mg/kg.

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## 12. ECOLOGICAL INFORMATION

**Product Ecological Information:** --

No ecological data available for this product.

**Ingredient Ecological Information:** --

No ecological data available for the ingredients of this product.

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## 13. DISPOSAL CONSIDERATIONS

**Special Instructions (Disposal):** Dilute to 3 to 5 times the volume with cold water. Open cold water tap completely, slowly pour the material to the drain. Flush system with plenty of water.

**Empty Containers:** Rinse three times with an appropriate solvent. Dispose of empty container as normal trash.

**NOTICE (Disposal):** These disposal guidelines are based on federal regulations and may be superseded by more stringent state or local requirements. Please consult your local environmental regulators for more information.

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## 14. TRANSPORT INFORMATION

**T.D.G.:**

**Proper Shipping Name:** Not Currently Regulated

**Hazard Class:** NA

**PIN:** NA

**Group:** NA

**Subsidiary Risk:** NA

**Additional Information:** There is a possibility that this product could be contained in a reagent set or kit composed of various compatible dangerous goods. If the item is NOT in a set or kit, the classification given above applies. If the item IS part of a set or kit, the classification would change to the following: UN3316 Chemical Kit, Class 9, PG II or III. If the item is not regulated, the Chemical Kit classification does not apply.

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## 15. REGULATORY INFORMATION

**National Inventories:**

**Canadian Inventory Status:** All ingredients of this product are DSL Listed.



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This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

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## 16. OTHER INFORMATION

**References:** 29 CFR 1900 - 1910 (Code of Federal Regulations - Labor). Air Contaminants, Federal Register, Vol. 54, No. 12. Thursday, January 19, 1989. pp. 2332-2983. TLV's Threshold Limit Values and Biological Exposure Indices for 1992-1993. American Conference of Governmental Industrial Hygienists, 1992. CCINFO RTECS. Canadian Centre for Occupational Health and Safety. Hamilton, Ontario Canada: 30 June 1993. Technical Judgment. The Merck Index, 11<sup>th</sup> Ed. Rahway, New Jersey: Merck and Co., Inc., 1989. Vendor Information.

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### Legend:

NA - Not Applicable w/w - weight/weight

ND - Not Determined w/v - weight/volume

NV - Not Available v/v - volume/volume

**USER RESPONSIBILITY:** Each user should read and understand this information and incorporate it in individual site safety programs in accordance with applicable hazard communication standards and regulations.

**THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED TO BE ACCURATE.**

**HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.**