

## Safety Data Sheet (SDS)

2,4-Diaminophenoxyethanol Sulfate

CAS 70643-20-8 | GHS Rev 1.0 | June 2026

### SECTION 1: IDENTIFICATION

**Product Name:** 2,4-Diaminophenoxyethanol Sulfate

**CAS Number:** 70643-20-8

**Molecular Formula:** C<sub>8</sub>H<sub>14</sub>N<sub>2</sub>O<sub>6</sub>S

**Recommended Use:** Industrial chemical / research reagent / intermediary

**Supplier:** SUNCHEM CO.,LTD. | info@sunchemgroup.com | www.sunchemgroup.com

**Emergency:** Contact local emergency services or poison control center

### SECTION 2: HAZARD IDENTIFICATION

**Signal Word:** **WARNING**

**Hazard Statements:**

Refer to supplier SDS for hazard information

**Precautionary Statements:**

P260 – Do not breathe dust/fume/gas/mist/vapours/spray.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P301+P312 – IF SWALLOWED: Call a POISON CENTER if you feel unwell.

P501 – Dispose of contents/container in accordance with local regulations.

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

| Component                         | CAS No.    | Content                  |
|-----------------------------------|------------|--------------------------|
| 2,4-Diaminophenoxyethanol Sulfate | 70643-20-8 | ≥ 98% (typical; see COA) |
| Residual impurities               | Various    | Balance                  |

### SECTION 4: FIRST AID MEASURES

**Inhalation:** Move to fresh air. Seek medical attention if symptoms persist.

**Skin Contact:** Wash thoroughly with soap and water for ≥ 15 minutes. Remove contaminated clothing.

**Eye Contact:** Flush with water for ≥ 15 minutes, lifting eyelids. Seek immediate medical attention.

**Ingestion:** Do NOT induce vomiting. Rinse mouth. Call poison control. Seek medical attention.

### SECTION 5: FIRE-FIGHTING MEASURES

**Extinguishing Media:** CO<sub>2</sub>, dry powder, foam, water spray

**Special Hazards:** May emit toxic fumes on decomposition

**Fire Fighters PPE:** Self-contained breathing apparatus; full protective suit

### SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Wear appropriate PPE (see Section 8). Avoid breathing vapours

**Environmental:** Prevent entry into drains and waterways

**Clean-up:** Absorb with inert material. Collect in sealed containers for disposal

### SECTION 7: HANDLING AND STORAGE

**Handling:** Use in well-ventilated area. Avoid contact with skin and eyes. Do not eat/drink/smoke during use

**Storage:** Store in original sealed container. Cool, dry, well-ventilated. Keep away from incompatibles

## SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls:** Local exhaust ventilation recommended

**Respiratory:** Half-mask or full-face respirator with appropriate filter

**Eyes/Face:** Safety goggles or face shield

**Hands:** Chemical-resistant gloves (nitrile  $\geq 0.4$  mm recommended)

**Body:** Lab coat or coveralls; chemical-resistant footwear

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

|                                    |                                                      |
|------------------------------------|------------------------------------------------------|
| <b>Molecular Weight</b>            | 266.27 g/mol                                         |
| <b>Molecular Formula</b>           | C8H14N2O6S                                           |
| <b>IUPAC Name</b>                  | 2-(2,4-diaminophenoxy)ethanol;sulfuric acid          |
| <b>Log P (XLogP)</b>               |                                                      |
| <b>TPSA</b>                        | 164 Å <sup>2</sup>                                   |
| <b>Physical State / Appearance</b> | Contact supplier for detailed physical property data |
| <b>Melting/Boiling Point</b>       | Contact supplier — product-specific                  |

## SECTION 10: STABILITY AND REACTIVITY

**Stability:** Stable under recommended storage conditions

**Avoid:** Extreme heat, oxidising agents, open flame

**Hazardous Decomposition:** Product-specific; refer to full SDS from supplier

## SECTION 11: TOXICOLOGICAL INFORMATION

**Acute Toxicity:** Data not available for this batch-generated document. Request full SDS from SUNCHEM CO.,LTD.

**Routes of Exposure:** Inhalation, skin contact, eye contact, ingestion

**Note:** This document is a template. Verify toxicological data with product-specific SDS before use.

## SECTION 12: ECOLOGICAL INFORMATION

**Aquatic Toxicity:** Data not available. Handle with care to prevent environmental release

**Persistence:** Contact supplier for biodegradation data

## SECTION 13: DISPOSAL CONSIDERATIONS

**Disposal Method:** Dispose per local, national, and international regulations. Do not discharge to drains without treatment

## SECTION 14: TRANSPORT INFORMATION

**UN Number:** Contact supplier for UN number and hazard class

**Note:** Classification depends on product concentration and formulation

## SECTION 15: REGULATORY INFORMATION

**Compliance:** GHS (Rev 8); EU CLP (EC 1272/2008); GB/T 17519 (China SDS standard)

## SECTION 16: OTHER INFORMATION

**Revision:** Version 1.0 | June 2026

**Prepared by:** SUNCHEM CO.,LTD. — Regulatory Affairs

■ **DISCLAIMER:** *This SDS is a template generated for reference purposes. It is NOT a substitute for a product-specific, laboratory-verified Safety Data Sheet. Users must obtain a verified SDS before handling this chemical. SUNCHEM CO.,LTD. accepts no liability for use of this template document in safety-critical applications.*