



**Trade name:** CIDEX® OPA Solution

**Product no.:** SDS-0010006E

**Current version :** 1.2.1, issued: 04.02.2015

**Replaced version:** 1.2.0 issued: 05.03.2013

**Region:** USA

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

**Trade name**

**CIDEX® OPA Solution**

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

**Relevant identified uses of the substance or mixture**

High level disinfection

### 1.3 Details of the supplier of the safety data sheet

**Address**

Advanced Sterilization Products

33 Technology Drive

Irvine, CA 92618

Telephone no. (800) 755-5900

### 1.4 Emergency telephone number

(703) 527-3887

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification in accordance with Regulation (EC) No 1272/2008**

Not a dangerous mixture according to GHS

### 2.2 Label elements

**Labeling (EC) No 1272/2008:**

Not a dangerous mixture according to GHS

**Signal word**

-

**Hazard statements**

EUH208

Contains ortho-phthalaldehyde. May produce an allergic reaction.

EUH210

Safety data sheet available on request.

**Precautionary statements**

P103

Read label before use

### 2.3 Other hazards

PBT assessment

The product is not considered to be a PBT.

vPvB assessment

The product is not considered to be a vPvB.

## SECTION 3: Composition/information on ingredients

### 3.1 Substances

Not applicable. The product is not a substance.

### 3.2 Mixtures

**Chemical characterization**

aqueous solution



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## Hazardous ingredients

No	Substance name CAS / EC / REACH no	Classification 67/548/EEC	Concentration	%-b.w.
1	phthalaldehyde 643-79-8 211-402-2 -	   Acute toxicity, Oral (Category 3) H301 Skin corrosion (Category 1B) H314 Skin sensitization (Category 1) H317 Acute aquatic toxicity (Category 1) H400	< 1,0	%-b.w.

Full text for all notes: pls. see section 16

## SECTION 4: First aid measures

## 4.1 Description of first aid measures

## General information

In case of persisting adverse effects, consult a physician. Change contaminated, saturated clothing.

## After inhalation

Remove affected person from the immediate area. Ensure supply of fresh air. In case of persisting adverse effects consult a physician.

## After skin contact

Wash off immediately with soap and water.

## After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). In case of irritation consult an ophthalmologist.

## After ingestion

Summon a doctor immediately and show label or packaging. Rinse out mouth and give plenty of water or milk to drink. Do not induce vomiting. Never give anything by mouth to an unconscious person.

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

## Symptoms

Allergic symptoms

## 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

## SECTION 5: Firefighting measures

## 5.1 Extinguishing media

## Suitable extinguishing media

No data available.

## Unsuitable extinguishing media

No data available.

## 5.2 Special hazards arising from the substance or mixture

None known

## 5.3 Advice for firefighters

Product itself does not burn. Adapt extinguisher and fire-fighting measures to fire in the environment. Cool endangered containers with water spray jet.

## SECTION 6: Accidental release measures

## 6.1 Personal precautions, protective equipment and emergency procedures

## For non-emergency personnel

Refer to protective measures listed in sections 7 and 8.



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**For emergency responders**

No data available. Personal protective equipment (PPE) - see Section 8.

**6.2 Environmental precautions**

Do not discharge into the drains/surface waters/groundwater. Do not discharge into the subsoil/soil.

**6.3 Methods and material for containment and cleaning up**

Pick up with absorbent material (e.g., sand, sawdust, general-purpose binder). When picked up, treat material as prescribed under heading "Disposal considerations".

**6.4 Reference to other sections**

Observe protective measures in sections 7 and 8.

**SECTION 7: Handling and storage****7.1 Precautions for safe handling****Advice on safe handling**

Avoid contact with skin and eyes. Open and handle container with care.

**General protective and hygiene measures**

Do not eat, drink or smoke during work time. Keep away from foodstuffs and beverages. Wash hands before breaks and after work. Provide eye wash fountain in work area. Do not inhale vapours.

**Advice on protection against fire and explosion**

No special measures necessary.

**7.2 Conditions for safe storage, including any incompatibilities****Technical measures and storage conditions**

Keep container tightly closed, cool and dry. Protect from atmospheric moisture and water.

**Recommended storage temperature**

Value &lt; 50 °C

**Requirements for storage rooms and vessels**

Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Appropriate Material steel; stainless steel; aluminium; PVC; polyethylene

**Advice on storage assembly**

Do not store together with: Acids; Alkalies; Reducing agents; Oxidizing agents

**7.3 Specific end use(s)**

No data available.

**SECTION 8: Exposure controls/personal protection****8.1 Control parameters**

No parameters available for monitoring.

**8.2 Exposure controls****Appropriate engineering controls**

No data available.

**Personal protective equipment****Respiratory protection**

If workplace exposure limits are exceeded, a respiration protection approved for this particular job must be worn. In case of aerosol and mist formation, take appropriate measures for breathing protection in the event workplace threshold values are not specified.

**Eye / face protection**

Safety glasses with side protection shield (EN 166)

**Hand protection**

In case of intensive contact, wear protective gloves (EN 374). Check in any case suitability of protective glove for the specific workplace conditions (e.g. mechanical resistance, product compatibility, antistatic properties). The glove manufacturer's instructions and information regarding storage, care and replacement.

Appropriate Material nitrile

Appropriate Material PVC



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**Other**

Normal chemical work clothing.

**Environmental exposure controls**

No data available.

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****Form/Colour**liquid  
light blue; clear**Odour**

mild characteristic "antiseptic" odour

**Odour threshold**

No data available

**pH value**Value 7,2 - 7,8  
Remarks neutral**Boiling point / boiling range**

Value 100 °C

**Melting point / melting range**

No data available

**Setting point / solidification range**

Value 0 °C

**Decomposition point / decomposition range**

No data available

**Flash point**

Not applicable

**Auto-ignition temperature**

No data available

**Oxidising properties**

No data available

**Explosive properties**

No data available

**Flammability (solid, gas)**

No data available

**Lower flammability or explosive limits**

No data available

**Upper flammability or explosive limits**

No data available

**Vapour pressure**

No data available

**Vapour density**

No data available

**Evaporation rate**

No data available

**Relative density**

No data available

**Density**Value 1,0 g/ml  
Reference temperature 20 °C



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**Solubility in water**

Remarks soluble

**Solubility(ies)**

No data available

**Partition coefficient: n-octanol/water**

No data available

**Viscosity**

No data available

**9.2 Other information****Other information**

No data available.

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

No data available.

**10.2 Chemical stability**

No data available.

**10.3 Possibility of hazardous reactions**

No data available.

**10.4 Conditions to avoid**

Temperatures &gt; 50°C.

**10.5 Incompatible materials**

Acids; Alkalies; Reducing agents; Oxidizing agents; Water

**10.6 Hazardous decomposition products**

No hazardous decomposition products known.

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute oral toxicity**

LD50 &gt; 5000 mg/kg

Species rat

Source Manufacturer

**Acute dermal toxicity**

Remarks No data available.

**Acute inhalational toxicity**

Remarks No data available.

**Skin corrosion/irritation**

Source Manufacturer

Evaluation slightly irritant

**Serious eye damage/irritation**

Source Manufacturer

Evaluation slightly irritant

**Respiratory or skin sensitisation**

Route of exposure Skin

Remarks Allergic skin reaction possible in case of repeated or prolonged contact.

**Germ cell mutagenicity**

No data available

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No data available

**Carcinogenicity**

No data available

**STOT-single exposure**

No data available

**STOT-repeated exposure**

No data available

**Aspiration hazard**

No data available

**Delayed and immediate effects as well as chronic effects from short and long-term exposure**

Product contact may lead to sensitisation with sensitive persons.

**Other information**

Exercise customary precautions when handling chemicals.

**SECTION 12: Ecological information****12.1 Toxicity****Fish toxicity**

No data available

**Daphnia toxicity**

No data available

**Algae toxicity**

No data available

**Bacteria toxicity**

No data available

**12.2 Persistence and degradability**

No data available.

**12.3 Bioaccumulative potential**

No data available.

**12.4 Mobility in soil**

No data available.

**12.5 Results of PBT and vPvB assessment****Results of PBT and vPvB assessment**

PBT assessment

The product is not considered to be a PBT.

vPvB assessment

The product is not considered to be a vPvB.

**12.6 Other adverse effects**

No data available.

**12.7 Other information****Other information**

The active component ortho-phthalaldehyde is classified as toxic (Category 1) to aquatic organisms and is not considered readily biodegradable.

Do not discharge product unmonitored into the environment.



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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### **Product**

Allocation of a waste code number, according to the European Waste Catalogue, should be carried out in agreement with the regional waste disposal company.

#### **Packaging**

Residuals must be removed from packaging and when emptied completely disposed of in accordance with the regulations for waste removal. Incompletely emptied packaging must be disposed of in the form of disposal specified by the regional disposer.

## SECTION 14: Transport information

### 14.1 Transport ADR/RID/ADN

The product is not subject to ADR/RID/ADN regulations.

### 14.2 Transport IMDG

The product is not subject to IMDG regulations.

### 14.3 Transport ICAO-TI / IATA

The product is not subject to ICAO-TI / IATA regulations.

### 14.4 Other information

No data available.

### 14.6 Special precautions for user

No data available.

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not relevant

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

#### EU regulations

**Council Directive 96/82/EC on the control of major-accident hazards involving dangerous substances**

Remarks

Annex I, part 1 + 2: not mentioned. With regard to possibly appropriate decomposition products see Chapter 10.

### 15.2 Chemical safety assessment

No data available.



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## SECTION 16: Other information

Changes made since the last version

**Sources of key data used to compile the data sheet:**

EC Directive 67/548/EC resp. 99/45/EC as amended in each case.

Regulation (EC) No 1907/2006 (REACH), 1272/2008 (CLP) as amended in each case.

EC Directives 2000/39/EC, 2006/15/EC, 2009/161/EC

National Threshold Limit Values of the corresponding countries as amended in each case.

Transport regulations according to ADR, RID, IMDG, IATA as amended in each case.

The data sources used to determine physical, toxic and ecotoxic data, are indicated directly in the corresponding chapter.

**Full text of the H- and EUH- phrases drawn up in sections 2 and 3 (provided not already drawn up in these sections)**

H301	Toxic if swallowed.
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.

**Department issuing safety data sheet**

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This information is based on our present state of knowledge. The security data sheet describes products with a view to the security requirements. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.