



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 < 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 valueValue 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

DensityValue 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 > 50°C.

10.5 Incompatible materials

Acids; Alcalis; 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 > 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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Reproduction toxicity

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

Ingenieur- und Sachverständigenbüro ROLAND BRAUN

Peter-Timm-Straße 21, D-22457 Hamburg

Tel.: +49 40 / 43 27 09 15 Fax: +49 40 / 43 27 09 16 e-mail: info@rolandbraun.de

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.