

SAFECARE MEDICAL INDUSTRIES LLC

9/08/2023
Version 3.0

Safety Data Sheet Bensan OPA

SECTION 1: IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

- 1.1 Product Identifier
Product name : Bensan OPA
- 1.2 Relevant identified uses of the substance or mixture and uses advised against
- Relevant identified uses
Main use category : Professional use
Function or use category : High-Level Disinfectant for Medical Instruments
- Uses advised against
No additional information available
- 1.3 : Details of the supplier of the safety data sheet

Supplier
Safecare Medical Industries
KIZAD KHIA 8-18
P.O. Box 133685, Abu Dhabi
United Arab Emirates
Telephone: +971 2 506 7333

Contact person: Regulatory Affairs – tel. +971 2 5076 7333

SECTION 2: HAZARDS IDENTIFICATION

- 2.1 Classification of the substance or mixture
- GHS / HAZCOM 2012 Classification:
Skin Irritation Category 2 Eye Irritation Category 2 Skin Sensitization Category 1A
- 2.2 Label elements
Labelling according to Regulation (EC) No. 1272/2008 (CLP)
Hazard Pictograms



GHS07
Signal word (CLP) : Warning
Hazard Phrases Causes skin irritation.

Causes serious eye irritation.
May cause an allergic skin reaction.

Prevention: Avoid breathing mist, vapours or spray.
Wash thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves and eye protection.

Response:
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical attention.
Wash contaminated clothing before reuse.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
Continue rinsing.

If eye irritation persists: Get medical attention.

Disposal: Dispose of contents and container in accordance with local and national regulations.

Other hazards: None

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substances
Not applicable

3.2 Mixtures

Name	Product Identifier	Amount %
Ortho-Phthalaldehyde	643-79-8	< 1

SECTION 4: FIRST AID MEASURES

Eye Contact: In cases of contact, flush eye with water for at least 15 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Seek medical attention if irritation occurs and persists.

Skin Contact: In cases of skin contact, flush skin with water for several minutes. Seek medical attention if irritation or rash occurs. Remove and launder contaminated clothing.

Inhalation: Move to fresh air. If breathing is difficult, oxygen may be given by qualified personnel. If symptoms persist, seek medical attention. If asthma-like symptoms occur, get immediate medical attention.

Ingestion: If the victim is alert, have them rinse their mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Do not attempt to give anything by mouth to an unconscious person. Seek immediate medical advice by calling a Poison Center or doctor.

Most important symptoms and effects, acute and delayed: Causes eye and skin irritation. May cause allergic skin reaction (sensitization.) Inhalation of vapours may cause irritation of the mucous membranes and upper respiratory tract. Inhalation of mists may cause an allergic reaction in sensitized individuals. Do not form sprays, mists or aerosols of this product.

Indication of immediate medical attention and special treatment, if needed: Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable (and Unsuitable) Extinguishing Media: Use any extinguishing media that is appropriate for the surrounding fire. Cool fire exposed containers with water.

Specific Hazards Arising from the Chemical: None known.

Special Protective Equipment and Precautions for Fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing for fires in areas where chemicals are used or stored.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, Protective equipment, and Emergency procedures: Wear appropriate protective clothing and equipment.

Methods and Materials for Containment and Cleaning up: Collect material with an inert absorbent material and place in appropriate, labeled container for disposal.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes, skin and clothing. Avoid breathing vapors. Do not form sprays, mists or aerosols of this product. Wear appropriate eye and skin protection when handling. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

Conditions for Safe Storage, Including any Incompatibilities: Store at room temperature.

SECTION 8 : EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Chemical	Exposure Limit
Ortho-Phthalaldehyde	None Established

Appropriate Engineering Controls: General ventilation should be adequate for normal use. For operations where the exposures are excessive, mechanical ventilation such as local exhaust may be needed to minimize exposure.

Respiratory Protection: For operations where the occupational exposures are excessive, a NIOSH approved respirator with particulate cartridges is recommended. Equipment selection depends on contaminant type and concentration. Select in accordance with 29 CFR 1910.134 and good industrial hygiene practice. For firefighting, use self-contained breathing apparatus.

Hand protection: Impervious gloves such as butyl rubber or nitrile are recommended.

Eye Protection: Safety goggles are recommended if needed to prevent eye contact.

Skin Protection: Wear protective clothing if needed to avoid prolonged/ repeated skin contact.

Hygiene measures: Suitable eye wash and washing facilities should be available in the work area.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Blue
Odor	: Light
Odor threshold	: Not determined
pH	: 7-8
Relative evaporation rate	: Not determined
Melting point	: Not determined
Freezing point	: Not determined

Boiling point	: 100°C
Flash point	: Product not flammable
Auto-ignition temperature	: Not determined
Decomposition temperature	: Not determined
Flammability (solid, gas)	: Product not flammable
Vapour pressure	: Not determined
Relative vapour density at 20°C	: Not determined
Relative density	: >1
Solubility	: in water, material soluble.
Log Pow	: Not determined
Viscosity, kinematic	: Not determined
Viscosity, dynamic	: Not determined
Explosive properties	: Product is not explosive.
Oxidising properties	: None

9.2 Other Information

Addition Information : None to our knowledge

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No polymerization.

10.4. Conditions to avoid

Avoid high temperatures and direct sunlight

10.5. Incompatible materials

Oxidizing agent. Acids and alkalis.

10.6. Hazardous decomposition products

No decomposition if stored and used normally.

SECTION 11: TOXICOLOGICAL INFORMATION

Potential Health Effects:

Inhalation: Inhalation of vapours or mists may be irritating to the respiratory tract and eyes, and may cause stinging in the nose and throat, discharge, coughing, chest discomfort and tightness, difficulty in breathing or headache. Ortho- Phthalaldehyde belongs to a family of aldehydes that have a potential to cause respiratory sensitization. Symptoms include wheezing, shortness of breath, tightness of the chest and throat, dry mouth and tingling of the mouth and lips.

Skin Contact: Causes skin irritation with redness and pain. Prolonged contact may cause drying and cracking of the skin. Direct contact with skin may cause staining. Repeated contact with skin may cause skin sensitization. In a study with laboratory this product was shown to cause moderate skin irritation. This product has been shown to cause allergic skin reaction in human clinical trials.

Eye Contact: Direct contact with eyes may cause irritation. **Ingestion:** Ingestion may cause gastrointestinal irritation nausea, vomiting and diarrhea. May discolour

the tissues of the mouth, throat and stomach.

Chronic Hazards: None currently known.

Medical Conditions Aggravated by Exposure: None currently known.

Carcinogen: None of the components is listed as a carcinogen or potential carcinogen by IARC, NTP, ACGIH, or OSHA.

Acute Toxicity Values:

Product: Oral rat LD50 5000 mg/kg; Dermal rabbit >2000 mg/kg

SECTION 12: ECOLOGICAL INFORMATION

Toxicity

Ortho- Phthalaldehyde: LC50 Pimephales promelas: 0.18 mg/L/96 hr; EC50 Daphnia Magna: 0.11 mg/L 48 hr; EC50 Selenastrum capricomutum: 0.11-0.21 mg/L/72 hr

Persistence and degradability: Ortho- Phthalaldehyde is poorly biodegradable.

Bioaccumulative Potential: No data available for product.

Mobility in Soil: No data available for product. **Other**

Adverse Effects: None known

Results of PBT and vPvB assessment

SECTION 13: DISPOSAL CONSIDERATIONS

Solution Disposal: Discharge residual and unused solutions in accordance with Federal, State, and local regulations. For used solution, the waste solution must be characterized by the generator and disposed of in accordance with Federal, State, and local regulations.

Container Disposal: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. If recycling is not available, discard in accordance with hospital policy.

SECTION 14: TRANSPORT INFORMATION

Not Classified for Transport

	UN Number	UN Proper Shipping Name	Hazard Class	Packing Group	Environmental Hazard
EU ADR/RID	None	Not Regulated	None	None	None
IMDG	None	Not Regulated	None	None	None
IATA/ICAO	None	Not Regulated	None	None	None
US DOT	None	Not Regulated	None	None	None

SECTION 15: REGULATORY INFORMATION

U.S. Federal Regulations: EPA SARA 311/312 Hazard Classification: Refer to Section 2 for OSHA Hazard Classification.

EPA SARA 313: This Product Contains the Following Chemicals Subject to Annual Release Reporting

Requirements Under SARA Title III, Section 313 (40 CFR 372): None

Protection Of Stratospheric Ozone: This product is not known to contain or to have been manufactured with ozone depleting substances as defined in 40 CFR Part 82, Appendix A to Subpart A.

CERCLA SECTION 103: This product is not subject to CERCLA reporting requirements; however, many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.

International Inventories

US EPA TSCA Inventory: All of the components of this product are listed on the Toxic Substances Control Act (TSCA) Chemical Substances Inventory or exempt.

Canadian Environmental Protection Act: All of the components in this product are listed on the Domestic Substances List (DSL) or exempt.

Australia: All of the components in this product are listed on the Australian Inventory of Chemical Substances (AICS) or exempt.

China: All of the components in this product are listed on the Inventory of Existing Chemical Substances in China (IECSC) or exempt.

European Union: All the components in this product are listed on the EINECS inventory or exempt. **Japan:** All of the components in this product are listed on the Japanese Existing and New Chemical Substances (ENCS) inventory or exempt.

New Zealand: All of the components in this product are listed on the New Zealand Inventory of Chemicals (NZIoC) or exempt.

Philippines: All of the components of this product are listed on the Philippines Inventory of Chemicals and Chemical Substances (PICCS) or exempt.

Taiwan: All of the components of this product are listed on the National Existing Chemical Inventory (NECI) in Taiwan or exempt.

SECTION 16: OTHER INFORMATION

Date of issue	9.02.2023
Revision date	9.08.2023
Supersedes	NA
Date of total revision	9.08.2023
Version	3.0
Signature	Regulatory Affairs

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