



Safety Data Sheet

OPA DISINFECTANT

Section 1. Identification

Product Identifier OPA DISINFECTANT
Synonyms MDS88OPA28; MSD_SDS0280
Manufacturer Stock Numbers MDS88OPA28

Recommended use High-level disinfectant for professional medical use.
Uses advised against N/A

Manufacturer Contact Address
Medline Industries, Inc.
One Medline Place
Mundelein, IL, 60060
USA

Phone
(800) 633-5463

Emergency Phone
(800) 424-9300
CHEMTREC

Fax
(847) 643-4436

Website
www.Medline.com

Section 2. Hazards Identification

Classification EYE DAMAGE/IRRITATION - Category 2A
SENSITIZATION - SKIN - Category 1

Signal Word Warning

Pictogram



Hazard Statements Causes serious eye irritation
May cause an allergic skin reaction

Precautionary Statements
Response If eye irritation persists: Get medical advice/attention.

	<p>If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>If on skin: Wash with plenty of water.</p> <p>If skin irritation or rash occurs: Get medical advice/attention.</p> <p>Specific treatment (see ... on this label)</p> <p>Wash contaminated clothing before reuse.</p>
Prevention	<p>Avoid breathing dust/fume/gas/mist/ vapors/spray.</p> <p>Contaminated work clothing must not be allowed out of the workplace.</p> <p>Wash hands thoroughly after handling.</p> <p>Wear eye protection/face protection/protective gloves.</p> <p>Wear protective gloves.</p>
Storage	N/A
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulation.
Ingredients of unknown toxicity	0%
Hazards not Otherwise Classified	No additional information available.

Section 3. Ingredients

Substance: Not applicable

CAS	Ingredient Name	Weight %
643-79-8	1,2-Benzenedicarboxaldehyde	0.1% - 1%
68439-46-3	Alcohols, C9-11, ethoxylated	1% - 5%

Mixture

Occupational exposure limits, if available, are listed in Section 8.

* The exact percentage (concentration) of composition has been withheld as a trade secret in accordance with paragraph (i) of 1910.1200.

Section 4. First-Aid Measures

Skin Contact:	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
Eye Contact	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. If irritation persists, get medical attention.
Inhalation:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
Ingestion:	If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.
Most important symptoms and effects, both acute and delayed:	Symptoms/injuries after eye contact: Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. Symptoms/injuries after skin contact: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause sensitization by skin contact. Symptoms/injuries after inhalation: May cause respiratory tract irritation. Symptoms/injuries after ingestion: May be harmful if swallowed. May cause stomach distress, nausea or vomiting.
Indication of any immediate medical attention and special treatment needed:	Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

Section 5. Fire Fighting Measures

Suitable Extinguishing Media	Treat for surrounding material.
Unsuitable Extinguishing Media	None known
Special hazards arising from the substance or mixture:	Fire hazard: Products of combustion may include, and are not limited to: oxides of carbon.
Advice for firefighters:	Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:	General measures: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.
Methods and Materials for Containment and Cleaning up:	Methods for Containment: Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Use appropriate Personal Protective Equipment (PPE). Methods for Cleaning up: Scoop up material and place in a disposal container.
Reference to other sections:	See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

Section 7. Handling and Storage

Precautions for Safe Handling:

Handling:

Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not swallow. Handle and open container with care. When using do not eat, drink or smoke.

General Hygiene Advice:

Laundry contaminated clothing before use. Wash hands before eating, drinking, or smoking.

Conditions for safe storage, including any incompatibilities:

Storage conditions:

Keep out of the reach of children. Keep container tightly closed.

Specific End use(s):

Not available.

Section 8. Exposure Controls/Personal Protection

Occupational Exposure Limits

Ingredient Name

ACGIH TLV

OSHA PEL

STEL

1,2-Benzenedicarboxaldehyde

N/A

N/A

N/A

Alcohols, C9-11, ethoxylated

N/A

N/A

N/A

Personal Protective Equipment

Goggles, Gloves, Apron

Appropriate Engineering Controls:

Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

Hand Protection:

Wear chemically resistant protective gloves.

Eye Protection:

Wear eye protection.

Skin and Body Protection:

Wear suitable protective clothing.

Respiratory Protection:

In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Environmental Exposure Controls:

Maintain levels below Community environmental protection thresholds.

Other information:

Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

Section 9. Physical and Chemical Properties

Physical State	Liquid
Color	Purple-Clear
Odor	Mild but distinctive
Odor Threshold	No data available
Solubility	No data available
Partition coefficient Water/n-octanol	No data available
VOC%	N/A
Viscosity	No data available
Relative density	1.011 - 1.013
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	No data available
FP Method	No data available
Ph	7.5-8
Melting Point	No data available
Boiling Point	> 100°C (212°F)
Boiling Range	No data available
LEL	N/A
UEL	N/A
Evaporation Rate	No data available
Flammability	Not flammable
Decomposition Temperature	No data available
Auto-ignition Temperature	No data available
Vapor Pressure	No data available
Vapor Density	No data available

Section 10. Stability and Reactivity

Reactivity:	No dangerous reaction known under conditions of normal use.
Chemical Stability:	Stable under normal storage conditions.
Possibility of Hazardous Reactions:	No dangerous reaction known under conditions of normal use.
Conditions to avoid:	Keep away from heat.
Incompatibility (Materials to Avoid):	None known.
Hazardous Decomposition or Byproducts:	May include and are not limited to oxides of carbon.

Section 11. Toxicological Information

Information on Toxicological Effects:	Acute Toxicity: Not classified. Rapicide OPA28 LD50 Oral rat: > 2000 mg/kg LD50 Dermal rabbit: > 200 mg/kg LC50 Inhalation rat: > 20 mg/l/4h Alcohols, C9-11, ethoxylated CAS-No. 68439-46-3 LD50 Oral rat: 1400 mg/kg LD50 Oral rat: 1378 mg/kg LD50 Dermal rabbit: > 2 g/kg Ortho-Phthalaldehyde CAS-No. 643-79-8 LD50 Oral rat: 120 mg/kg
Skin corrosion/irritation:	Based on available data, the classification criteria are not met.
Serious eye damage/Eye irritation:	Causes serious eye irritation.
Respiratory/Skin Sensitization:	May cause an allergic skin reaction.
Germ cell Mutagenicity:	Based on available data, the classification criteria are not met.
Carcinogenicity:	Based on available data, the classification criteria are not met.
Reproductive Toxicity:	Based on available data, the classification criteria are not met.
Specific Target Organ Toxicity - Single exposure:	Based on available data, the classification criteria are not met.
Specific Target Organ Toxicity - Repeated exposure:	Based on available data, the classification criteria are not met.
Aspiration Hazard:	Based on available data, the classification criteria are not met.
Symptoms/Injuries after eye contact:	Causes serious eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Symptoms/Injuries after skin contact:	May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause sensitization by skin contact.
Symptoms/Injuries after inhalation:	May cause respiratory tract irritation.
Symptoms/Injuries after ingestion:	May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Section 12. Ecological Information

Toxicity:	Ecology-general: May cause long-term adverse effects in the aquatic environment.
Persistence and degradability:	Not established.
Bioaccumulative potential:	Not established.
Mobility in soil:	No additional information available.
Other adverse effects:	Effect on ozone layer: No additional information available
	Effect on the global warming: No known ecological damage caused by this product.

Section 13. Disposal

Waste Treatment Methods:	Waste disposal recommendations: This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible.
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Section 14. Transport Information

UN Number	N/A
UN Proper Shipping Name	Not Regulated
DOT Classification	Not Regulated
Packing Group	Not Regulated
Other information:	No supplementary information available.
Special transport precautions:	Do not handle until all safety precautions have been read and understood.

Section 15. Regulatory Information

SARA 311/312:	N.A.
SARA 302:	N.A.
SARA 313:	N.A.
TSCA:	N.A.
CERCLA Hazardous Substance List:	N.A.
Clean Air Act (CAA) Section 112, 112 (r):	N.A.
State Regulations:	N.A.

Section 16. Other Information

Revision Date

08/08/2016

Legend

N.A. - Not Applicable
N.E. - Not Established
N.D. - Not Determined

HMIS (U.S.A.): Health
Hazard

1

HMIS (U.S.A.): Flammability

O

HMIS (U.S.A.): Physical
Hazard

1

National Fire Protection
Association (U.S.A): Health
Hazard

1

National Fire Protection
Association (U.S.A):
Flammability

O

National Fire Protection
Association (U.S.A):
Instability Hazard

1

Additional Information

The information contained herein is furnished without warranty or legal responsibility of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees