

# Microdacyn

## Wound Care Solution

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Microdacyn Wound Care Hydrogel

**Product Use:** Wound treatment product.

**Restrictions on Use:** Only for Human use and for indicated use on the label and secondary package.

**Company Identification:**



Oculus Technologies of México S.A. de C.V.  
Industria Vidriera No. 81, Industrial Zapopan Norte.  
Zip code 45130. Zapopan, Jalisco, México

EC	REP
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Oculus Innovative Sciences Netherlands B.V.  
Boven de Wolfskuil 3, C30-32, 6049 LX, Herten.  
The Netherlands

**New Zealand License Holder:**

Te Arai Consumer, a division of Te Arai BioFarma Ltd  
Auckland, NZ.

0800 TE ARAI (832 724)

**Supplied by:**

USL Medical, Auckland

09 829 0960

**Emergency Telephone Numbers:**

Poisons Information Centre New Zealand: 0800 764 766

### 2. HAZARDS IDENTIFICATION

NOT HAZARDOUS to Humans and Animals

**GHS Classification:** No data available

**Pictogram:** No data available

**Signal word:** No data available

**Hazard statement:** No data available

**Precautionary statement:** No data available

**HMIS Rating** - Health: 0; Flammability: 0; Reactivity: 0;  
Personal Protection Index: A

**NFPA Rating** - Health: 0; Flammability: 0; Reactivity: 0;  
Special Hazard: None

**NFPA/HMIS Definitions:** 0-Least  
1-Slight  
2-Moderate  
3-High  
4-Extreme

These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

#### POTENTIAL HEALTH EFFECTS

**EYE:** No hazards expected in normal use at 2°C to 24°C.

**SKIN:** No hazards expected in normal use at 2°C to 24°C.

**INHALATION:** No hazards expected in normal use at 2°C to 24°C. Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract.

**INGESTION:** No hazards expected in normal use at 2°C to 24°C.

**CARCINOGENICITY INFORMATION:** No known cancer hazards.

As defined under SARA 311 and 312, this product contains no known hazardous materials.

# MATERIAL SAFETY DATA SHEET

### 3. INFORMATION ON INGREDIENTS / COMPOSITION

Electrolyzed Water (H<sub>2</sub>O), Sodium Chloride (NaCl), Sodium Hypochlorite (NaOCl), Hypochlorous Acid (HOCl)

#### HAZARDOUS AND/OR REGULATED COMPONENTS

None

#### HAZARDS DISCLOSURE

This product does not contain hazardous materials as defined by the OSHA Hazard Communication Standard 29 CFR 1910.1200.

### 4. FIRST AID MEASURES

**GENERAL INFORMATION:** Although this product is not known to cause any hazard for the health. Consult a physician and show this safety data sheet.

**EYE CONTACT FIRST AID:** Although this product is not known to cause eye irritation, if eyes become irritated, hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Seek medical attention if irritation develops or persists.

**SKIN CONTACT FIRST AID:** Although this product is not known to cause skin irritation, if skin becomes irritated, immediately wash skin with plenty of soap and water while removing contaminated clothing and shoes. Seek medical attention if irritation worsens or persists.

**INHALATION FIRST AID:** Although this product is not known to cause respiratory problems, if breathing is difficult, remove to fresh air and provide oxygen. Seek medical attention if cough or other symptoms develop.

**INGESTION FIRST AID:** Although this product is not known to cause ingestion problems, if ingested, drink plenty of tap water. Seek medical attention if gastric distress develops.

**STATEMENT OF PRACTICAL TREATMENT:** Always have plenty of water available for first aid.

**NOTES TO PHYSICIAN:** Treat patient symptomatically.

### 5. FIRE FIGHTING MEASURES

#### FLAMMABLE PROPERTIES

COC Flash Point: None

TCC Flash Point: None

Auto-ignition Temperature: None

#### FLAMMABLE LIMITS IN AIR

LEL: None

UEL: None

**EXTINGUISHING MEDIA:** Material will not burn.

**FIRE & EXPLOSION HAZARDS:** Material will not burn.

### 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES:** None required.

**ENVIRONMENTAL PRECAUTIONS:** None required

**METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP:** Consult local regulations for disposal.

**SAFEGUARDS:** None required.

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## 7. HANDLING AND STORAGE

### RECOMMENDED STORAGE TEMPERATURE:

Ideal Storage is at 2°C to 24°C.

**HANDLING:** No special handling requirements.

**STORAGE:** Store away from direct sunlight and heat. Do not freeze.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering controls:** None known

**Respiratory Protection:** None required for normal use.

**Eye Protection:** Avoid eye contact

**Skin protection:** None required for normal use. Do not apply on open wounds.

**Other Protective Equipment:** None needed

For external use, only. Keep out of reach of children.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

**FORM:** Liquid

**COLOR:** Color less

**ODOR:** Minimal

**BOILING POINT:** >212° F

**SOLUBILITY IN WATER:** Complete

**SPECIFIC GRAVITY:** 1.0 (Water = 1)

**BULK DENSITY:** 1.0

**MELTING/FREEZING POINT:** 32° F

**% VOLATILES:** greater than 99.93%

**REFRACTIVE INDEX:** No data available

**VOLATILITY:** No data available

**AUTO-IGNITION TEMPERATURE:** No data available

**DECOMPOSITION TEMPERATURE:** No data available

**PARTITION COEFFICIENT:** No data available

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## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable.

**POLYMERIZATION:** Hazardous polymerization will not occur.

**INCOMPATIBILITY WITH OTHER MATERIALS:** Do not mix with products containing ammonia.

**DECOMPOSITION:** Decomposition will not occur.

**CONDITIONS TO AVOID:** This material is safe under normal storage and handling conditions.

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## 11. TOXICOLOGICAL INFORMATION

**RTECS#:** No data available.

**Ocular Toxicity:** Non-Toxic

**Dermal Toxicity:** Non-Toxic

**Oral Toxicity:** Non-Toxic

**Dermal Sensitization:** Not cause dermal sensitization

**Inhalation Toxicity:** Not produce any risk

**Carcinogenicity:**

**IARC:** Not classified

**NTP:** Not listed

**OSHA:** Not listed

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## 12. ECOLOGICAL INFORMATION

Presents no hazard to the environment.

**Ecotoxicity:** No data available

**Persistence:** No data available

**Bio accumulative potential:** No data available

**Mobility in soil:** No data available

**Other adverse effects:** No data available.

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## 13. DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** Flush to drain or sewer.

**PRECAUTIONS TO BE TAKEN:** None.

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## 14. TRANSPORTATION INFORMATION

**D.O.T. SHIPPING NAME:** Water

**TECHNICAL SHIPPING NAME:** Oxidized Water

**D.O.T. HAZARD CLASS:** None

**UN NUMBER:** None

**D.O.T. LABEL:** None

**D.O.T. PLACARD:** None

**BULK CLASS:** N/A

**AIR (IATA):** Not regulated for air transport

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## 15. REGULATORY INFORMATION

This product is intended to be marketed in New Zealand and Australia. The regulations applicable of the product according the intended use.

**TSCA Chemical Inventory:** this product is NOT on the EPA Toxic Substance Control Act (TSCA)

Inventory. Any information that is or becomes available will be supplied on an SDS Sheet.

**EC#:** No data available.

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## 16. ADDITIONAL INFORMATION:

The data in this Material Safety Data Sheet relates only to the specific material designated herein. It does not relate to use in combination with any other material or in any process.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Revision Date: July 2nd 2019

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