 <b>VIOSER S.A.</b> <small>PARENTERIAL SOLUTION INDUSTRY</small>		<b>Material Safety Data Sheet</b>	
Code No.	MSDS.01	Dated	03.02.2014
Page	1 / 3	Version	2.0
<b>Sodium Chloride 0.9% Irrigation Solution</b>			

### PRODUCT AND COMPANY INFORMATION – SECTION 1

Manufacturer :	Vioser S.A
	Taxiarches ,Trikala
	42100 Greece
	Tel.:+30 24310 83441
	Fax.:+30 24310 83550
Product Name:	Sodium Chloride 0.9% Irrigation Solution
Synonyms:	Sodium Chloride, 0.9% solution (w/v), 0.9% Normal Saline solution, Isotonic saline solution
Intended Use:	A sterile solution, which exerts a mechanical cleansing action for sterile irrigation of body cavities, tissues, wounds, urethral catheters, washing and rinsing purposes that allow use of a sterile nonpyrogenic electrolyte solution. Is for topical use only and should never be administered by parenteral injection. Should not be used for irrigation during electrosurgical procedures.

### EMERGENCY CONTACT


Tel.:+30 24310 83441
Fax.:+30 24310 83550

### HAZARDOUS INGREDIENTS – SECTION 2

Sodium Chloride 0.9% Irrigation Solution does not contain hazardous ingredients. Contains sodium chloride (Eur. Pharm.) 0.9% in water for injections. It does not contain a preservative.
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### HAZARDOUS IDENTIFICATION – SECTION 3

This is nonflammable aqueous solution	
<b>EMERGENCY OVERVIEW</b>	When used according to instructions, the product applicable to this MSDS is stable and safe and presents no immediate or long - term health hazard. However if you feel anything unusual during or after Sodium Chloride Irrigation Solution has been used, call for immediate medical attention.

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<b>Sodium Chloride 0.9% Irrigation Solution</b>			


<b>FIRST AID MEASURES – SECTION 4</b>	
<b>FIRST AID MEASURES</b>	
Eye Contact :	Not applicable
Skin contact :	Not applicable
Inhalation:	Not applicable
Ingestion:	If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband

<b>FIRE AND EXPLOSION DATA – SECTION 5</b>	
Flammability of the product	Non - flammable
Auto - Ignition Temperature	Not applicable
Flash Points	Not applicable
Flammable limits	Not applicable
Products of Combustion	Not available
Fire Hazards in Presence of Various Substances	Not applicable
Explosion Hazards in Presence of Various Substances	Non - explosive in presence of open flames and sparks
Fire Fighting Media and instructions	Not applicable
Special Remarks on Fire Hazards	Not available

<b>ACCIDENTAL RELEASE MEASURES - SECTION 6</b>
Flush area with water. The solution is not RCRA hazardous waste

<b>HANDLING AND STORAGE - SECTION 7</b>
Do not freeze or expose to temperatures in excess of 25 °C (86 °F)

<b>EXPOSURE CONTROLS / PERSONAL PROTECTION - SECTION 8</b>	
Eye Protection:	None required
Skin Protection:	None required
Respiratory Protection:	None required
Ventilation:	None required
Protecting clothing or equipment:	None required

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<b>Sodium Chloride 0.9% Irrigation Solution</b>			

### PHYSICAL & CHEMICAL PROPERTIES - SECTION 9

<b>General Information:</b>	
Appearance:	Colorless Liquid
Odor:	Not available
Boiling Point :	The lowest known value is 100 °C (212°F)
Solubility In Water:	100%

### STABILITY & REACTIVITY - SECTION 10

<b>Stability:</b> This product is stable and considered non- reactive under normal conditions of storage and usage
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### TOXICOLOGICAL INFORMATION - SECTION 11

No acute or chronic toxic effects expected when used according to directions
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### ECOLOGICAL INFORMATION - SECTION 12

No ecological or special consideration when used according to directions. This product is not considered environmentally harmful from normal dilution, expected usage and typical drainage to sewers, septic systems and treatment plants.
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### DISPOSAL CONSIDERATION - SECTION 13

N/A
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### TRANSPORT INFORMATION - SECTION 14

N/A
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### REGULATORY INFORMATION - SECTION 15

N/A
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### OTHER INFORMATION - SECTION 16

Revision Number	Revision Date
1	01.04.2008
2	03.02.2014

*To the best of our knowledge, the information containing herein is accurate. However, neither Vioser S.A, nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information containing herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.*

 <b>VIOSER S.A.</b> <small>PARENTERAL SOLUTION INDUSTRY</small>		<b>Material Safety Data Sheet</b>	
Code No.	MSDS.02	Dated	01.04.2013
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<b>Water for Irrigation</b>			

### PRODUCT AND COMPANY INFORMATION – SECTION 1

Manufacturer :	Vioser S.A
	Taxiarches ,Trikala
	42100 Greece
	Tel.:+30 24310 83441
	Fax.:+30 24310 83550
Product Name:	Water for irrigation
Synonyms:	Di-hydrogen Oxide
Intended Use:	A sterile Water which exerts a mechanical cleansing action for sterile irrigation of body cavities, tissues or wounds and for washing, rinsing or soaking surgical dressings, instruments and laboratory specimens. Not for injection by usual parenteral routes. Do not use for irrigation that may result in absorption into the blood. It is hypotonic and will cause hemolysis, and is not recommended for use during surgical procedures.

### EMERGENCY CONTACT


Tel.:+30 24310 83441 /
Fax.:+30 24310 83550

### HAZARDOUS INGREDIENTS – SECTION 2

Water for Irrigation does not contain hazardous ingredients. It is prepared by distillation and contains no antimicrobial or bacteriostatic agents or added buffers.
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### HAZARDOUS IDENTIFICATION – SECTION 3

This is nonflammable aqueous solution	
<b>EMERGENCY OVERVIEW</b>	When used according to instructions, the product applicable to this MSDS is stable and safe and presents no immediate or long - term health hazard.

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<b>Water for Irrigation</b>			

<b>FIRST AID MEASURES – SECTION 4</b>	
<b>FIRST AID MEASURES</b>	
Eye Contact :	Not applicable
Skin contact :	Not applicable
Inhalation:	Not applicable
Ingestion:	Not applicable


<b>FIRE AND EXPLOSION DATA – SECTION 5</b>	
Flammability of the product	Non - flammable
Auto - Ignition Temperature	Not applicable
Flash Points	Not applicable
Flammable limits	Not applicable
Products of Combustion	Not available
Fire Hazards in Presence of Various Substances	Not applicable
Explosion Hazards in Presence of Various Substances	Not applicable
Fire Fighting Media and instructions	Not applicable
Special Remarks on Fire Hazards	Not available

<b>ACCIDENTAL RELEASE MEASURES - SECTION 6</b>
Mop up, or absorb with an inert dry material and place in an appropriate waste disposal container. The material is not RCRA hazardous waste.

<b>HANDLING AND STORAGE - SECTION 7</b>
Do not freeze or expose to temperatures in excess of 25 °C (86 °F)

<b>EXPOSURE CONTROLS / PERSONAL PROTECTION - SECTION 8</b>	
Eye Protection:	None required
Skin Protection:	None required
Respiratory Protection:	None required
Ventilation:	None required
Protecting clothing or equipment:	None required

<b>PHYSICAL &amp; CHEMICAL PROPERTIES - SECTION 9</b>	
<b>General Information:</b>	
Appearance:	Colorless Liquid
Odor:	Not available
Boiling Point :	The lowest known value is 100 °C (212°F)
Solubility:	Easily soluble in cold water, hot water.

 <b>VIOSER S.A.</b> <small>PARENTERIAL SOLUTION INDUSTRY</small>		<b>Material Safety Data Sheet</b>	
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**STABILITY & REACTIVITY - SECTION 10**

**Stability:**

This product is stable and considered non- reactive under normal conditions of storage and usage

**TOXICOLOGICAL INFORMATION - SECTION 11**

No acute or chronic toxic effects expected when used according to directions

**ECOLOGICAL INFORMATION - SECTION 12**

No ecological or special consideration when used according to directions. This product is not considered environmentally harmful from normal dilution, expected usage and typical drainage to sewers, septic systems and treatment plants.

**DISPOSAL CONSIDERATION - SECTION 13**

N/A

**TRANSPORT INFORMATION - SECTION 14**

N/A

**REGULATORY INFORMATION - SECTION 15**

N/A

**OTHER INFORMATION - SECTION 16**

Revision Number	Revision Date
1	01.04.2008
2	01.04.2013

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