

### ADSOI ®

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date: 11/05/2013 Supersedes: 01/17/2013

Version: 1.0

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

<u>Product Identifier</u>

Product name: ADSOL®

Other means of identification: ADSOL® Red Blood Cell Preservation Solution, ADSOL® Preservation Solution, ADSOL® Additive

Solution, AS-1

**Intended Use Of The Product** 

Preservation solution. For professional use only.

Name, Address, And Telephone Of The Responsible Party

Fenwal Inc.

Three Corporate Drive Lake Zurich, IL 60047 847-550-2300

www.fenwalinc.com EHS@fenwalinc.com

**Emergency Telephone Number** 

Emergency number : 760-476-3962

# **SECTION 2: HAZARDS IDENTIFICATION**

### **Classification Of The Substance Or Mixture**

**GHS-US classification** 

Not classified

**Label Elements** 

GHS-US labeling No labeling applicable

Other Hazards Not available

Unknown acute toxicity (GHS US) Not available

# **SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

#### **Mixture**

| Name                               | Product Identifier   | % (w/w) | GHS-US classification |
|------------------------------------|----------------------|---------|-----------------------|
| Water                              | (CAS No.) 7732-18-5  | 90 - 99 | Not classified        |
| .alphaD-Glucopyranose, monohydrate | (CAS No.) 14431-43-7 | 1 - 5   | Not classified        |
| Sodium chloride                    | (CAS No.) 7647-14-5  | 0 - 1   | Not classified        |
| D-Mannitol                         | (CAS No.) 69-65-8    | 0 - 1   | Not classified        |

Full text of H-phrases: see section 16

# **SECTION 4: FIRST AID MEASURES**

#### **Description Of First Aid Measures**

General: Not expected to present a significant hazard under anticipated conditions of use.

**Inhalation**: Not expected to present a significant inhalation hazard under anticipated conditions of normal use.

**Skin Contact**: Gently wash with plenty of soap and water.

Eye Contact: Rinse with plenty of water immediately. Remove contact lenses, if present and easy to do. Continue rinsing.

Ingestion: Rinse mouth. Do NOT induce vomiting.

#### Most Important Symptoms And Effects Both Acute and Delayed

**General:** May cause mild irritation to eyes and skin.

Inhalation: None expected under normal conditions of use.

**Skin Contact:** Repeated or prolonged skin contact may cause mild irritation.

Eye Contact: May cause slight irritation.

**Ingestion:** May be harmful if ingested in large quantities.

Chronic symptoms: Not available

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# Indication Of Any Immediate Medical Attention And Special Treatment Needed

If you feel unwell, seek medical advice (show the label where possible).

#### **SECTION 5: FIREFIGHTING MEASURES**

### **Extinguishing Media**

Suitable extinguishing media: Not flammable. Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media: None.

#### Special Hazards Arising From The Substance Or Mixture

Fire hazard: Not flammable.

Explosion hazard: Product is not explosive

**Reactivity**: Stable at ambient temperature and under normal conditions of use

**Advice For Firefighters** 

**Precautionary measures fire**: Exercise caution when fighting any chemical fire. **Protection during firefighting**: Firefighters should wear full protective gear.

Hazardous Combustion Products: Carbon oxides (CO, CO<sub>2</sub>).

**Reference To Other Sections** 

Refer to section 9 for flammability properties.

# SECTION 6: ACCIDENTAL RELEASE MEASURES

#### Personal Precautions, Protective Equipment And Emergency Procedures

General measures: Avoid all contact with skin, eyes, or clothing.

#### **Environmental Precautions**

Prevent entry to sewers and public waters.

#### Methods And Material For Containment And Cleaning Up

**For containment:** Stop the flow of material, if this is without risk.

Methods for cleaning up: Absorb spillage to prevent material damage.

## **Reference To Other Sections**

Refer to section 8 for Exposure Controls and Personal Protection.

#### SECTION 7: HANDLING AND STORAGE

<u>Precautions For Safe Handling</u> Avoid all contact with skin, eyes, or clothing.

#### **Conditions For Safe Storage, Including Any Incompatibilities**

Storage conditions: Keep container tightly closed. Store in a cool, dry, well-ventilated place.

**Specific End Use(s)** Preservation solution

# SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

#### **Control Parameters**

No Occupational Exposure Limits (OELs) have been established for this product or its chemical components.

#### **Exposure Controls**

**Appropriate engineering controls:** Provide adequate ventilation. **Personal protective equipment:** Avoid all unnecessary exposure.

Materials for protective clothing: Not available

Hand protection: Protective gloves

Eye protection: Chemical goggles or safety glasses.

**Skin and body protection:** Wear suitable protective clothing.

**Respiratory protection:** None required under normal product handling conditions.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

# **Information On Basic Physical And Chemical Properties**

Physical state : Liquid

Appearance : Not available
Odour : Not available

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Odour threshold: Not availablepH: 4.6 - 7.2

Relative evaporation rate (butylacetate=1) Similar to water **Melting point** Similar to water **Boiling point** Similar to water Flash point Not flammable **Auto-ignition temperature** Not applicable **Decomposition Temperature** Not applicable Not flammable Flammability (solid, gas) Lower flammable limit Not flammable Upper flammable limit Not flammable Vapour pressure Similar to water Relative vapour density at 20 °C Similar to water Relative density Similar to water Specific gravity Similar to water Solubility Not applicable Log Pow Not applicable Log Kow Not applicable

Viscosity, kinematic : Similar to water
Viscosity, dynamic : Similar to water
Explosion data - sensitivity to mechanical impact : Not applicable

Explosion data - sensitivity to static discharge : Not applicable

# **SECTION 10: STABILITY AND REACTIVITY**

**Reactivity** Stable at ambient temperature and under normal conditions of use.

**Chemical Stability** Stable at standard temperature and pressure.

Possibility Of Hazardous Reactions Hazardous polymerization will not occur.

**Conditions To Avoid** Extremely high or low temperatures.

**Incompatible Materials** Strong oxidizing agents.

Hazardous Decomposition Products Carbon oxides (CO, CO<sub>2</sub>). Chlorine. Sodium oxides.

# **SECTION 11: TOXICOLOGICAL INFORMATION**

# **Information On Toxicological Effects - Product**

Acute toxicity : Not classified

LD50 and LC50 Data: Not available Skin corrosion/irritation: Not classified Serious eye damage/irritation: Not classified Respiratory or skin sensitisation: Not classified

Germ cell mutagenicity: Not classified

**Teratogenicity**: Not available **Carcinogenicity**: Not classified

Specific target organ toxicity (repeated exposure): Not classified

Reproductive toxicity: Not classified

Specific target organ toxicity (single exposure): Not classified

Aspiration hazard: Not classified

Symptoms/injuries after inhalation: None expected under normal conditions of use.

Symptoms/injuries after skin contact: Repeated or prolonged skin contact may cause mild irritation.

Symptoms/injuries after eye contact: May cause slight irritation.

Symptoms/injuries after ingestion: May be harmful if ingested in large quantities.

Information On Toxicological Effects - Ingredient(s)

LD50 and LC50 Data

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| Sodium chloride (7647-14-5) |                                |  |
|-----------------------------|--------------------------------|--|
| LD50 oral rat               | 3 g/kg                         |  |
| LD50 dermal rabbit          | > 10 g/kg                      |  |
| LC50 inhalation rat (mg/l)  | > 42 g/m³ (Exposure time: 1 h) |  |
| D-Mannitol (69-65-8)        |                                |  |
| LD50 oral rat               | 13500 mg/kg                    |  |

# SECTION 12: ECOLOGICAL INFORMATION

# **Toxicity**

Ecology - general: No known ecological damage caused by this product.

| Sodium chloride (7647-14 | 4-5)  |
|--------------------------|---|
| LC50 fishes 1            | 5560 (5560 - 6080) mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [flow-through]) |
| EC50 Daphnia 1           | 1000 mg/l (Exposure time: 48 h - Species: Daphnia magna)                                    |
| LC50 fish 2              | 12946 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])                    |
| EC50 Daphnia 2           | 340.7 (340.7 - 469.2) mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])          |

# Persistence And Degradability Not available

#### **Bioaccumulative Potential**

| Sodium chloride (7647-14-5) |                      |
|-----------------------------|----------------------|
| BCF fish 1                  | (no bioaccumulation) |

Mobility In Soil Not available

# **SECTION 13: DISPOSAL CONSIDERATIONS**

**Waste disposal recommendations:** Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

#### SECTION 14: TRANSPORT INFORMATION

# In accordance with ICAO/IATA/DOT/TDG

**UN Number** Not regulated for transport

**UN Proper Shipping Name** Not regulated for transport

**Overland transport** Not regulated for transport

**Transport by sea** Not regulated for transport

Air transport Not regulated for transport

# **SECTION 15: REGULATORY INFORMATION**

# **US Federal regulations**

| U3 FEU | iei ai i | eguia  | tions |
|--------|----------|--------|-------|
| Water  | (7732-   | -18-5) |       |

Listed on the United States TSCA (Toxic Substances Control Act) inventory

## Sodium chloride (7647-14-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

#### D-Mannitol (69-65-8)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

## **US State regulations**

### Sodium chloride (7647-14-5)

U.S. - Texas - Effects Screening Levels - Long Term

U.S. - Texas - Effects Screening Levels - Short Term

# **Canadian regulations**

| ADSOL®               |   |
|----------------------|---|
| WHMIS Classification | Uncontrolled product according to WHMIS classification criteria |

## Water (7732-18-5)

Listed on the Canadian DSL (Domestic Sustances List) inventory.

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| WHMIS Classification  | Uncontrolled product according to WHMIS classification criteria |  |
|---|---|--|
| Sodium chloride (7647-14-5)                                     |   |  |
| Listed on the Canadian DSL (Domestic Sustances List) inventory. |   |  |
| WHMIS Classification  | Uncontrolled product according to WHMIS classification criteria |  |
| D-Mannitol (69-65-8)  |   |  |
| Listed on the Canadian DSL (Domestic Sustances List) inventory. |   |  |
| WHMIS Classification  | Uncontrolled product according to WHMIS classification criteria |  |

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by CPR.

# **SECTION 16: OTHER INFORMATION**

**Indication of Changes** : Revision date 11/05/2013

**Data sources** : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard

Communication Standard 29 CFR 1910.1200.

#### Party Responsible For The Preparation Of This Document:

Fenwal Inc.

Phone Number: 847-550-2300

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

North America GHS US 2012 & WHMIS

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