

## SAFETY DATA SHEET

SDS No. : 70305EU  
 Issue Date : 10 Dec. 2002  
 Revision Date : 15 Mar. 2016

### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Product name : OSMO STANDARD SOLUTION

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

The product is applicable for the following purpose of use only. Use exclusive reagents for Automatic Osmotic Pressure Measurements (OM-6050, OM-6060).

#### 1.3 Details of the supplier of the safety data sheet

ARKRAY FACTORY, Inc.

Address : 1480 Koji, Konan-cho, Koka-shi, Shiga 520-3306, JAPAN

Phone : +81-748-86-6901

Facsimile : +81-748-86-5347

#### European representative

ARKRAY Europe, B. V.

Address : Prof. J. H. Bavincklaan 2, 1183 AT Amstelveen, THE NETHERLANDS

Phone : +31-20-545-2450

Facsimile : +31-20-545-2459

#### 1.4 Emergency telephone number

Emergency phone : +31-20-545-2450

### 2. Hazards Identification

#### 2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to REGULATION (EC) No 1272/2008.

#### 2.2 Label elements

The product does not need to be labeled in accordance with EC directives or respective national laws.

#### 2.3 Other hazards

May be harmful if ingested.

May cause eyes and skin irritation.

### 3. Composition/information on ingredients

#### 3.2 Mixtures

##### 300 mOSM/kg Standard Solution

Component	Conc. [%]	Formula	EINECS No.	CAS No.	Classification Regulation(EC) 1272/2008(CLP)
Sodium chloride	< 1.0	NaCl	231-598-3	7647-14-5	Eye Irrit. 2B; H320
Sodium azide	< 0.1	NaN <sub>3</sub>	247-852-1	26628-22-8	Acute Tox. (oral) 2; H302, Acute Tox. (dermal) 1; H310, Skin Corr. 1C;

H314,  
Eye Dam. 1; H318,  
STOT SE  
(circulatory  
system) 1; H370,  
STOT RE (liver,  
circulatory  
system) 1; H372,  
Aquatic Acute 1;  
H400,  
Aquatic Chronic 1;  
H410

#### 1000 mOSM/kg Standard Solution

Component	Conc. [%]	Formula	EINECS No.	CAS No.	Classification Regulation(EC) 1272/2008(CLP)
Sodium chloride	≈ 3.0	NaCl	231-598-3	7647-14-5	See above
Sodium azide	< 0.1	NaN <sub>3</sub>	247-852-1	26628-22-8	See above

## 4. First aid measures

### 4.1 Description of first aid measures

#### Inhalation

Not applicable

#### Skin contact

Immediately wash thoroughly with water and soap. Immediately get medical attention if itchiness and inflammation occurs.

#### Eye contact

Immediately wash eyes with plenty of clean water for at least 15 minutes and get medical attention.

#### Ingestion

Rinse mouth. Give one or two glasses of water to drink. Never give anything by mouth if unconscious. Immediately get medical attention.

### 4.2 Most important symptoms and effects, both acute and delayed

No relevant information available

### 4.3 Indication of any immediate medical attention and special treatment needed

No relevant information available

## 5. Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing media

Water

#### Unsuitable extinguishing media

No relevant information available

### 5.2 Special hazards arising from the substance or mixture

No relevant information available

### 5.3 Advice for firefighters

## OSMO STANDARD SOLUTION

No relevant information available

### 6. Accidental release measures

#### 6.1 Personal precautions, protective equipment and emergency procedures

##### For non-emergency personnel

No information available

##### For emergency responder

Wear protective equipment. See Section 8.

#### 6.2 Environmental precautions

No relevant information available

#### 6.3 Methods and material for containment and cleaning up

Rinse with plenty of water.

#### 6.4 Reference to other sections

For protective equipment see Section 8.

### 7. Handling and storage

#### 7.1 Precautions for safe handling

##### Preventive measures (Exposure Control for handling personnel)

No relevant information available

#### 7.2 Conditions for safe storage, including any incompatibilities

Avoid direct sunlight. Store at temperature of 1 - 30 °C.

#### 7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

### 8. Exposure controls/personal protection

#### 8.1 Control parameters

No data available

#### 8.2 Exposure controls

##### Appropriate engineering controls

No information available

##### Individual protection measures, such as personal protective equipment

###### Eye/face protection

Use safety glasses, if necessary.

###### Skin protection

###### Hand protection

Use rubber gloves, if necessary

###### Other

Not necessary

###### Respiratory protection

Not necessary

###### Thermal hazards

No information available

##### Environmental exposure controls

No relevant information available

## 9. Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Appearance	Clear liquid
Odour	No data available
Odour threshold	No data available
pH	5 – 8 (at 25 °C)
Melting point/freezing point	No data available
Boiling point and boiling range	No data available
Flash Point	No data available
Evaporation rate	No data available
Flammability	No data available
Upper/lower flammability or explosive limits	No data available
Vapor pressure	No data available
Vapor density	No data available
Solubility in	Water
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Decomposition temperature	No data available
Viscosity	No data available

### 9.2 Other information

No relevant information available

## 10. Stability and reactivity

### 10.1 Reactivity

Stable under normal conditions

### 10.2 Chemical stability

Stable under normal conditions

### 10.3 Possibility of hazardous reactions

None

### 10.4 Conditions to avoid

Sunlight

### 10.5 Incompatible materials

No information available

### 10.6 Hazardous decomposition products

No information available

## 11. Toxicological information

### 11.1 Information on toxicological effects

Acute toxicity	No information available
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## OSMO STANDARD SOLUTION

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

### 14.6 Special precautions for user

No relevant information available

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No relevant information available

## 15. Regulatory information

The safety datasheet compiles with the requirements of Regulation (EC) No. 1907/2006.

### 15.1 Safety, health, and environmental regulations/legislation specific for the product in question

No information available

### 15.2 Chemical safety assessment

No information available

## 16. Other information

### The date of preparation and revision of the SDS

Prepared on 10 December 2002.

Revised on 11 December 2003: Changed in "2. COMPOSITION / INFORMATION ON INGREDIENTS"..

Revised on 1 November 2005: Changed the Manufacturer from "ARKRAY, Inc" to "ARKRAY FACTORY" in "Company information."

Revised on 8 January 2010: Changed Telephone number & Facsimile number of the Manufacturer.

Revised on 16 November 2010: Modified to fit ISO11014-1.

Revised on 12 November 2012: Added a postscript to the following words in the document beginning. "This material safety data sheet is according to (ES) No. 1907/2006 REACH."

Revised on 1 June 2015: Modified in accordance with the requirements of Regulation (EC) No. 1907/2006.

Revised on 15 March 2016: European representative's address has changed.

### Key literature references

Insert

### Further information

The above information contained herein is based on the data available to us and is believed to be correct. However, ARKRAY, Inc. bears no warranty expresses or implies regarding the accuracy of these data or the results to be obtained from the use thereof.

ARKRAY, Inc. assumes no responsibility for injury caused from the use of the product described herein.