

# **OSMOCOLL®**

# Safety Data Sheet

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

## **SECTION 1 Identification**

#### 1.1. Product identifier

Product form : Mixture
Product name : OSMOCOLL®

Product code : SS-025-NC, SS-025-LO, SS-025-HO

### 1.2. Other means of identification

No additional information available

### 1.3. Recommended use of the chemical and restrictions on use

Use of the substance/mixture : Serum osmolality control Recommended use : Professional use only

## 1.4. Supplier's details

ELITechGroup Inc. 370 West 1700 South Logan, UT, Cache, 84321 USA

T +1 (435) 752-6011 - F +1 (435) 752-4127

qara ebs@elitechgroup.com - www.elitechgroup.com

## 1.5. Emergency phone number

Emergency number : Contact your distributor or poison control center in your country.

InfoTrac Emergency Response: Calls within the USA, phone: 1-800-535-5053. Calls outside the

USA, phone: +1 352-323-3500 (call collect)

Customer ID: #90104 (NOTE: this number is required when a customer calls into either phone

number above).

### **SECTION 2 Hazard Identification**

### 2.1. Classification of the substance or mixture

#### **GHS US classification**

Not classified

### 2.2. Label elements

#### **GHS US labeling**

No labeling applicable

### 2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

### 2.4. Hazards not otherwise classified

Other hazards which do not result in classification : None under normal conditions.

# 2.5. Unknown acute toxicity

No additional information available



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### **SECTION 3 Composition/information on ingredients**

#### 3.1. Substances

Not applicable

#### 3.2. Mixtures

Name	Product identifier	%	GHS US classification
sodium azide	CAS-No.: 26628-22-8		Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310 Acute Tox. 2 (Inhalation:dust,mist), H330 STOT RE 2, H373 Aquatic Chronic 1, H410

Full text of hazard classes and H-statements : see section 16

## **SECTION 4 First aid measures**

### 4.1. Description of necessary first-aid measures

First-aid measures general : Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice

(show the label where possible).

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Allow affected person to breathe

fresh air. Allow the victim to rest.

First-aid measures after skin contact : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by

warm water rinse. Wash skin with plenty of water.

First-aid measures after eye contact : Rinse eyes with water as a precaution. Rinse immediately with plenty of water. Obtain medical

attention if pain, blinking or redness persists.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Call a poison center/doctor/physician if you feel unwell.

Personal protection for first-aid responders. : First aid workers will be equipped with suitable personal protective equipment.

### 4.2. Most important symptoms/effects, acute and delayed

Potential Adverse human health effects and

symptoms

: Based on available data, the classification criteria are not met.

Symptoms/effects : Not expected to present a significant hazard under anticipated conditions of normal use.

Symptoms/effects after inhalation : None under normal conditions. Symptoms/effects after skin contact : None under normal conditions. Symptoms/effects after eye contact : None under normal conditions. Symptoms/effects after ingestion : None under normal conditions.

### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment : Treat symptomatically.

# **SECTION 5: Fire-fighting measures**

# 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

Unsuitable extinguishing media : Do not use a heavy water stream.

## 5.2. Specific hazards arising from the chemical

Fire hazard : No fire hazard.

Explosion hazard : No direct explosion hazard.



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Hazardous decomposition products in case of fire : Toxic fumes may be released.

### 5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any

chemical fire. Prevent fire-fighting water from entering environment. Do not enter fire area

without proper protective equipment, including respiratory protection.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection. Do

not attempt to take action without suitable protective equipment. Self-contained breathing

apparatus. Complete protective clothing.

#### **SECTION 6 Accidental release measures**

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

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb

spillage to prevent material-damage.

For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Ventilate spillage area. Evacuate unnecessary personnel.

For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. Equip cleanup crew with

proper protection. For further information refer to section 8: "Exposure controls/personal

protection".

Emergency procedures : Ventilate area. Evacuate unnecessary personnel. Stop leak if safe to do so.

Environmental precautions : Avoid release to the environment. Prevent entry to sewers and public waters. Notify authorities if

liquid enters sewers or public waters.

## 6.2. Methods and materials for containment and cleaning up

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent

migration and entry into sewers or streams. Stop leak, if possible without risk.

Methods for cleaning up : Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or

diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

Other information : Dispose of materials or solid residues at an authorized site.

See Heading 8,Exposure controls and personal protection,For further information refer to section 13

# SECTION 7 Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Wear personal protective equipment. Wash hands

and other exposed areas with mild soap and water before eating, drinking or smoking and when

leaving work. Provide good ventilation in process area to prevent formation of vapor.

Hygiene measures : Do not eat, drink or smoke when using this product. Always wash hands after handling the

o not eat, unlik of shloke when using this product. Always wash hands after handi

product.

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

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

Technical measures : Keep in a cool, well-ventilated place away from heat.

Storage conditions : Keep container closed when not in use. Store in a well-ventilated place. Keep cool. Keep only in

original container.

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Incompatible products : Strong bases. Strong acids.
Incompatible materials : Sources of ignition. Direct sunlight.

Packaging materials : Store always product in container of same material as original container.

# **SECTION 8 Exposure controls/personal protection**

### 8.1. Control parameters

sodium azide (26628-22-8)	
USA - ACGIH - Occupational Exposure Limits	
Local name	Sodium azide
ACGIH® TLV® C	0.29 mg/m³
	0.11 ppm
Remark (ACGIH)	TLV® Basis: Card & CNS impair; Lung dam. Notations: A4 (Not classifiable as a Human Carcinogen)
Regulatory reference	ACGIH 2025

## 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

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

#### Personal protective equipment:

Avoid all unnecessary exposure.

# Materials for protective clothing:

Wear protective clothing

### Hand protection:

Wear protective gloves

Туре	Material	Permeation	Thickness (mm)	Penetration
Disposable gloves	Latex, Nitrile rubber (NBR)	3 (> 60 minutes)	0.1 - 0.15	

### Eye protection:

Chemical goggles or safety glasses

# Skin and body protection:

Wear suitable protective clothing

### Respiratory protection:

No respiratory protection needed under normal use conditions. Wear suitable respiratory equipment in case of insufficient ventilation

# Personal protective equipment symbol(s):







#### Other information:

Do not eat, drink or smoke during use.



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: No data available

: No data available

# **SECTION 9 Physical and chemical properties**

### 9.1. Basic physical and chemical properties

Physical state : Liquid Color Brown

Odor Characteristic Odor threshold No data available Hq No data available Melting point : Not applicable : No data available Freezing point Boiling point : No data available Flash point : No data available Flammability (solid, gas) : Non flammable.

Relative vapor density at 20°C Relative density No data available

Solubility Water: No data available Partition coefficient n-octanol/water (Log Pow) No data available Auto-ignition temperature : No data available : No data available Decomposition temperature Viscosity, kinematic : No data available **Explosion limits** : No data available Particle characteristics : No data available

### 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

### **SECTION 10 Stability and reactivity**

# 10.1. Reactivity

Vapor pressure

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Not established.

#### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

#### 10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

### 10.5. Incompatible materials

Strong acids. Strong bases.

### 10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

## **SECTION 11 Toxicological information**

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified

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27 mg/kg body weight (Rat, Experimental value, Oral)  19 – 48 mg/kg body weight (Rabbit, Inconclusive, insufficient data, Dermal)  0.05 – 0.52 mg/l (EPA OPPTS 870.1300: Acute Inhalation Toxicity, 4 h, Rat, Male / female, Experimental value, Inhalation (dust), 14 day(s))  27 mg/kg body weight  33.5 mg/kg body weight
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Experimental value, Inhalation (dust), 14 day(s))  27 mg/kg body weight  33.5 mg/kg body weight
33.5 mg/kg body weight
0.285 mg/l/4h
0.285 mg/l/4h
: Not classified
No data available in the literature
: Not classified
No data available in the literature
: Not classified
May cause damage to organs through prolonged or repeated exposure.
: Not classified
Not applicable (solid)
: Based on available data, the classification criteria are not met.
· Not expected to proceed a cignificant hazard under enticipated conditions of nermal use
<ul><li>: Not expected to present a significant hazard under anticipated conditions of normal use.</li><li>: None under normal conditions.</li></ul>
: None under normal conditions.
: None under normal conditions.
: None under normal conditions.

# **SECTION 12 Ecological information**

# 12.1. Ecotoxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.



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Hazardous to the aquatic environment, short-term

(acute)

: Not classified

Hazardous to the aquatic environment, long-term : Not classified

(chronic)

sodium azide (26628-22-8)	
LC50 - Fish [1]	2.75 – 3.28 mg/l (Equivalent or similar to OECD 203, 96 h, Oncorhynchus mykiss, Flowthrough system, Fresh water, Experimental value)
ErC50 algae	0.35 mg/l ((Pseudokirchneriella subcapitata, Exposure time: 96 h, Test type: static, OECD Test Guideline 201)

### 12.2. Persistence and degradability

OSMOCOLL®	
Persistence and degradability	Not established.
sodium azide (26628-22-8)	
Persistence and degradability	Biodegradability: not applicable.
Chemical oxygen demand (COD)	Not applicable (inorganic)
ThOD	Not applicable (inorganic)

# 12.3. Bioaccumulative potential

OSMOCOLL®	
Bioaccumulative potential Not established.	
sodium azide (26628-22-8)	
Bioaccumulative potential Not bioaccumulative.	

## 12.4. Mobility in soil

sodium azide (26628-22-8)	
Surface tension	No data available (test not performed)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.63 (log Koc, Calculated value)
Ecology - soil	Low potential for adsorption in soil.

## 12.5. Other adverse effects

Ozone : Not classified

Fluorinated greenhouse gases : No

Other information : Avoid release to the environment.

# **SECTION 13 Disposal considerations**

Regional waste regulation : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations : Disposal must be done according to official regulations.

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Disposal must be done

according to official regulations.

Additional information : Do not re-use empty containers.



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Ecological waste information : Avoid release to the environment.

# **SECTION 14 Transport information**

In accordance with DOT / TDG / IMDG / IATA

### 14.1. UN number

Not regulated for transport

## 14.2. UN Proper Shipping Name

Proper Shipping Name (DOT) : Not regulated Proper Shipping Name (TDG) : Not regulated Proper Shipping Name (IMDG) : Not regulated Proper Shipping Name (IATA) : Not regulated

## 14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : Not regulated

**TDG** 

Transport hazard class(es) (TDG) : Not regulated

**IMDG** 

Transport hazard class(es) (IMDG) : Not regulated

**IATA** 

Transport hazard class(es) (IATA) : Not regulated

# 14.4. Packing group

Packing group (DOT): Not regulatedPacking group (TDG): Not regulatedPacking group (IMDG): Not regulatedPacking group (IATA): Not regulated

## 14.5. Environmental hazards

Other information : No supplementary information available.

# 14.6. Transport in bulk

Not applicable

## 14.7. Special precautions for user

DOT

Not regulated

**TDG** 

Not regulated

IMDG

Not regulated

**IATA** 

Not regulated

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## **SECTION 15 Regulatory information**

### 15.1. Federal regulations

All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

andium arida	CAC No. 26629 22 9	< 0.10/
sodium azide	CAS-No. 26628-22-8	< 0.1%

sodium azide (26628-22-8)	
CERCLA RQ	1000 lb
RQ (Reportable quantity, section 304 of EPA's List of Lists)	1000 lb
SARA Section 302 Threshold Planning Quantity (TPQ)	500 lb

### 15.2. International regulations

### CANADA

# sodium azide (26628-22-8)

Listed on the Canadian DSL (Domestic Substances List)

### **EU-Regulations**

No additional information available

### **National regulations**

No additional information available

### 15.3. State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

Component	State or local regulations
· · · · · · · · · · · · · · · · · · ·	U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S Pennsylvania - RTK (Right to Know) List

# **SECTION 16 Other information**

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Other information : None.

Full text of hazard classes and H-statements	
H300	Fatal if swallowed
H310	Fatal in contact with skin
H330	Fatal if inhaled



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Full text of hazard classes and H-statements	
H373	May cause damage to organs through prolonged or repeated exposure
H410	Very toxic to aquatic life with long lasting effects

Safety Data Sheet (SDS), USA

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.

Reason for change: updating to latest format and company header logo.