

# CLEENOL

For a cleaner, safer world

## SAFETY DATA SHEET OSMOS DISHWASHER RINSE AID

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product name	OSMOS DISHWASHER RINSE AID
Internal identification	OSM-DRA-2X5, OSM-DRA-10, OSM-DRA-20
Container size	2x5L, 10L, 20L

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

Identified uses	Cleaning agent.
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#### 1.4. Emergency telephone number

Emergency telephone	In case of a medical emergency following exposure to a chemical, call NHS Direct via 111 (UK only).
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### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

##### Classification (SI 2019 No. 720)

Physical hazards	Not Classified
Health hazards	Not Classified
Environmental hazards	Not Classified

#### 2.2. Label elements

Hazard statements	NC Not Classified
Detergent labelling	Contains BRONOPOL (INN)

#### 2.3. Other hazards

## OSMOS DISHWASHER RINSE AID

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

<b>ALCOHOLS, C9-11, C10-rich, ETHOXYLATED PROPOXYLATED</b> CAS number: 154518-36-2	<b>1-5%</b>
<b>Classification</b> Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	

The full text for all hazard statements is displayed in Section 16.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

<b>Inhalation</b>	Unlikely route of exposure as the product does not contain volatile substances.
<b>Ingestion</b>	Give a few small glasses of water or milk to drink. Get medical attention if a large quantity has been ingested.
<b>Skin contact</b>	Wash with plenty of water. Get medical attention if any discomfort continues.
<b>Eye contact</b>	Rinse cautiously with water for several minutes. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Get medical attention if any discomfort continues.

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

<b>Inhalation</b>	Unlikely to be hazardous by inhalation because of the low vapour pressure of the product at ambient temperature.
<b>Ingestion</b>	No specific symptoms known. May cause discomfort.
<b>Skin contact</b>	Skin irritation should not occur when used as recommended. Prolonged and frequent contact may cause redness and irritation.
<b>Eye contact</b>	May cause eye irritation.

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

<b>Notes for the doctor</b>	No specific recommendations.
<b>Specific treatments</b>	Treat symptomatically.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

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

**Specific hazards** None known.

#### 5.3. Advice for firefighters

**Special protective equipment for firefighters** Use protective equipment appropriate for surrounding materials. Firefighter's clothing will provide a basic level of protection for chemical incidents.

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### SECTION 6: Accidental release measures

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

**Personal precautions** Avoid contact with eyes and prolonged skin contact. Take care as floors and other surfaces may become slippery. Do not touch or walk into spilled material.

#### 6.2. Environmental precautions

**Environmental precautions** Not regarded as dangerous for the environment.

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

**Methods for cleaning up** Absorb spillage with sand or other inert absorbent. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water.

#### 6.4. Reference to other sections

**Reference to other sections** For waste disposal, see Section 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

**Usage precautions** Avoid contact with skin and eyes. Avoid spilling.

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

**Storage precautions** Keep only in the original container in a cool, well-ventilated place. Store at temperatures between 0°C and 40°C.

#### 7.3. Specific end use(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

### SECTION 8: Exposure controls/Personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### ETHANOL

Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m<sup>3</sup>

Short-term exposure limit (15-minute): WEL

WEL = Workplace Exposure Limit.

#### 8.2. Exposure controls

##### Protective equipment



**Appropriate engineering controls**

Not applicable.

**Eye/face protection**

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. Personal protective equipment that provides appropriate eye and face protection should be worn.

**Hand protection**

No specific requirements are anticipated under normal conditions of use. For users with sensitive skin, it is recommended that suitable protective gloves are worn. To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation.

**Hygiene measures**

Wash hands thoroughly after handling.

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**Respiratory protection** No specific requirements are anticipated under normal conditions of use.

### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Clear liquid.
<b>Colour</b>	Blue.
<b>Odour</b>	Odourless.
<b>pH</b>	pH (concentrated solution): 6 - 9
<b>Initial boiling point and range</b>	100°C
<b>Flash point</b>	Not applicable.
<b>Relative density</b>	~ 1.001
<b>Solubility(ies)</b>	Soluble in water.
<b>Decomposition Temperature</b>	Not determined.
<b>Explosive properties</b>	Not applicable.
<b>Oxidising properties</b>	Does not meet the criteria for classification as oxidising.

#### 9.2. Other information

<b>Refractive index</b>	3 - 5
<b>Volatile organic compound</b>	This product contains a maximum VOC content of <0.1 %.

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

**Reactivity** No test data specifically related to reactivity available for this product or its ingredients.

#### 10.2. Chemical stability

**Stability** Stable at normal ambient temperatures.

#### 10.3. Possibility of hazardous reactions

**Possibility of hazardous reactions** None known. Under normal conditions of storage and use, no hazardous reactions will occur.

#### 10.4. Conditions to avoid

**Conditions to avoid** No specific requirements are anticipated under normal conditions of use.

#### 10.5. Incompatible materials

**Materials to avoid** No specific material or group of materials is likely to react with the product to produce a hazardous situation.

#### 10.6. Hazardous decomposition products

**Hazardous decomposition products** No known hazardous decomposition products. Does not decompose when used and stored as recommended.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

**Toxicological effects** Information given is based on data of the components and of similar products.

#### Acute toxicity - inhalation

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**ATE inhalation (dusts/mists mg/l)** 588.0

**Inhalation** The product is considered to be a low hazard under normal conditions of use.

**Ingestion** May be harmful if swallowed.

**Skin contact** No adverse effects known.

**Eye contact** May be slightly irritating to eyes.

### SECTION 12: Ecological information

**Ecotoxicity** No negative effects on the aquatic environment are known.

#### 12.1. Toxicity

**Toxicity** The product is not believed to present a hazard due to its physical nature.

#### 12.2. Persistence and degradability

**Persistence and degradability** The product is biodegradable.

#### 12.3. Bioaccumulative potential

**Bioaccumulative potential** No potential for bioaccumulation.

#### 12.4. Mobility in soil

**Mobility** The product is soluble in water.

#### 12.5. Results of PBT and vPvB assessment

**Results of PBT and vPvB assessment** This product does not contain any substances classified as PBT or vPvB.

#### 12.6. Other adverse effects

**Other adverse effects** None known.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

**General information** Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out.

**Disposal methods** Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Following dilution, discharge to the sewer with plenty of water may be permitted.

### SECTION 14: Transport information

**General** The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

#### 14.1. UN number

Not applicable.

#### 14.2. UN proper shipping name

Not applicable.

#### 14.3. Transport hazard class(es)

No transport warning sign required.

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### 14.4. Packing group

Not applicable.

### 14.5. Environmental hazards

#### **Environmentally hazardous substance/marine pollutant**

No.

### 14.6. Special precautions for user

Not applicable.

### 14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Not applicable.

Annex II of MARPOL 73/78  
and the IBC Code

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**National regulations** The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019 (as amended).

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

## SECTION 16: Other information

<b>Issued by</b>	Regulatory Chemist
<b>Revision date</b>	04/08/2021
<b>Revision</b>	16
<b>Supersedes date</b>	08/03/2021
<b>SDS number</b>	20304
<b>Hazard statements in full</b>	H315 Causes skin irritation. H319 Causes serious eye irritation.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.