



SAFETY DATA SHEET

OSMOS PREMIUM DISHWASHER RINSE AID

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

1.1. Product identifier

Product name	OSMOS PREMIUM DISHWASHER RINSE AID
Internal identification	OSM-PDRA-2X5, OSM-PDRA-10, OSM-PDRA-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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1.3. Details of the supplier of the safety data sheet

Supplier	Cleenol Group Ltd Neville House Beaumont Road Banbury Oxon OX16 1RB UK Tel: +44 (0)1295 251721 sales@cleenol.co.uk
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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	Skin Irrit. 2 - H315 Eye Irrit. 2 - H319
Environmental hazards	Not Classified

2.2. Label elements

Hazard pictograms



Signal word	Warning
Hazard statements	H315 Causes skin irritation. H319 Causes serious eye irritation.

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Precautionary statements	<p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P332+P313 If skin irritation occurs: Get medical advice/ attention.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p>
Supplementary precautionary statements	<p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P321 Specific treatment (see medical advice on this label).</p>

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

ALCOHOLS, C9-11, C10-rich, ETHOXYLATED PROPOXYLATED CAS number: 154518-36-2	10-30%
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	
ETHANOL CAS number: 64-17-5 EC number: 200-578-6	1-5%
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319	
PROPAN-2-OL CAS number: 67-63-0 EC number: 200-661-7	1-5%
Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336	
CITRIC ACID MONOHYDRATE CAS number: 5949-29-1 EC number: 691-328-9	<1%
Classification 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

Inhalation	No special treatment required.
Ingestion	Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Get medical attention if a large quantity has been ingested.

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Skin contact	Wash with plenty of water. Get medical attention if irritation persists after washing.
Eye contact	Rinse cautiously with water for several minutes. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Get medical attention if irritation persists after washing.

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

Inhalation	No adverse effects known. The product is considered to be a low hazard under normal conditions of use.
Ingestion	No adverse effects known. May cause discomfort.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye irritation.

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

Notes for the doctor	No specific recommendations.
Specific treatments	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.
Unsuitable extinguishing media	None known.

5.2. Special hazards arising from the substance or mixture

Specific hazards	None known.
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5.3. Advice for firefighters

Protective actions during firefighting	Avoid breathing fire gases or vapours. Fight fire with normal precautions from a reasonable distance.
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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

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

Environmental precautions	No negative effects on the aquatic environment are known.
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Discharge of small quantities to the sewer with plenty of water may be permitted.
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6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8. For waste disposal, see Section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	For professional users only. Avoid spilling. Avoid contact with eyes and prolonged skin contact.
Advice on general occupational hygiene	Wash contaminated skin thoroughly after handling.

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.
Storage class	Chemical storage.

7.3. Specific end use(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
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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/m³

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

CITRIC ACID MONOHYDRATE

Long-term exposure limit (8-hour TWA): 4 mg/m³

Short-term exposure limit (15-minute): 10 mg/m³

WEL = Workplace Exposure Limit.

8.2. Exposure controls

Protective equipment



Appropriate engineering controls	No specific ventilation requirements.
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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.
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Hand protection	To protect hands from chemicals, wear gloves that are proven to be impervious to the chemical and resist degradation. For users with sensitive skin, it is recommended that suitable protective gloves are worn. No specific requirements are anticipated under normal conditions of use.
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Hygiene measures	Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product.
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Respiratory protection	No specific requirements are anticipated under normal conditions of use.
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SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
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Colour	Blue.
Odour	Slight alcoholic.
pH	pH (concentrated solution): 2.5 - 3.5
Initial boiling point and range	100°C
Flash point	Not applicable.
Relative density	0.998 - 1.010 @ 20°C
Solubility(ies)	Soluble in water.
Auto-ignition temperature	Not applicable.
Explosive properties	Not applicable.
Oxidising properties	Does not meet the criteria for classification as oxidising.

9.2. Other information

Refractive index	14 - 16
Volatile organic compound	This product contains a maximum VOC content of 5 - 10 %.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	There are no known reactivity hazards associated with this product.
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10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	No potentially hazardous reactions known.
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10.4. Conditions to avoid

Conditions to avoid	No specific requirements are anticipated under normal conditions of use.
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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.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Does not decompose when used and stored as recommended.
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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.
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Skin corrosion/irritation

Skin corrosion/irritation	Causes skin irritation.
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Extreme pH	Moderate pH (> 2 and < 11.5).
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Serious eye damage/irritation

Serious eye damage/irritation	Causes serious eye irritation.
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Inhalation	Considered to be a low inhalation hazard at normal workplace temperatures.
Ingestion	No adverse effects known. May cause discomfort.
Skin contact	Causes skin irritation.
Eye contact	Causes serious eye irritation.
Route of exposure	Skin and/or eye contact

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 Moderately biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility 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

Issued by	Regulatory Chemist
Revision date	29/07/2021
Revision	11
Supersedes date	28/05/2021
SDS number	21153
Hazard statements in full	H225 Highly flammable liquid and vapour. H315 Causes skin irritation. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.

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.