



BLONDCHEM LIMITED
VIWANDANI MOMBASA ROAD
ATHI 55 LTD COMPLEX
GO DOWN NUMBER 12
ATHI RIVER

P.O. BOX 16911 - 00500
NAIROBI
KENYA

Phone: +254 (0)793571137
Email: blondchemltd@gmail.com

SAFETY DATA SHEET according to Regulation (Blondchem)

Oxona-plus

Section: 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Product name : **Oxona - plus**
UFI : GJHS-A7QR-S00S-J4S6
Product code : 106965E
Use of the Substance/Mixture : Biocide
Substance type: : Mixture

**For professional
users only.**

Product dilution information : 3.0 %

1.1 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : Oxona-plus is a professional grade acidic sanitizer designed for use in food processing, schools, hospitals and other institutions. It can be used as a surface disinfectant, a process cleaner for Cleaning In Place systems, and for semi-automatic disinfection. Oxona-plus can also be used to sanitize and clean fresh produce including fresh fruits, vegetables, meat and macadamia nuts. **Use Oxona-plus at a dilution of 3 percent. This means mix 30ml of Oxona-plus with every 1 litre of cold water.** Oxona-plus is reserved for industrial and professional use only.

Recommended restrictions on use : Reserved for industrial and professional use.



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Section: 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or

mixture Classification (REGULATION

(BLONDCHEM) No 1272/2023)

Product AS SOLD

Oxidizing liquids, Category 2	H272
Corrosive to metals, Category 1	H290

Acute toxicity, Category 4	H302
Acute toxicity, Category 4	H332
Skin corrosion, Category 1	H314
Serious eye damage, Category 1	H318
Specific target organ toxicity - single exposure, Category 3,	H335
Respiratory system	
Chronic aquatic toxicity, Category 1	H410

Product AT USE DILUTION

Chronic aquatic toxicity, Category 3	H412
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2.2 Label elements

Labelling (REGULATION (BLONDCHEM) No 1272/2023)

Product AS SOLD

Hazard pictograms :

Signal Word : Danger

Hazard Statements	:	H272 H290 H302 + H332 H314 H335 H410	May intensify fire; oxidiser. May be corrosive to metals. Harmful if swallowed or if inhaled. Causes severe skin burns and eye damage. May cause respiratory irritation. Very toxic to aquatic life with long lasting effects.
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Precautionary Statements : **Prevention:**
P210

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P273

Avoid release to the environment.

P280

Wear protective gloves/ eye protection/ face protection.

Response:

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310

Immediately call a POISON CENTER/doctor.

Hazardous components which must be listed on the label:

Hydrogen peroxide

Acetic acid

Peracetic acid

Product AT USE DILUTION

Hazard Statements : H412

Harmful to aquatic life with long lasting effects.

Precautionary Statements : **Prevention:**
P273

Avoid release to the environment.

2.1 Other hazards

Product AS SOLD

Do not mix with bleach or other chlorinated products – will cause chlorine gas.

Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Product AS SOLD

Hazardous
components



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Chemical Name	CAS-No. EC-No. REACH No.	Classification REGULATION (EC) No 1272/2008	Concentration : [%]
Hydrogen peroxide	7722-84-1 231-765-0 01-2119485845-22	Nota B Oxidizing liquids Category 1; H271 Acute toxicity Category 4; H302 Acute toxicity Category 4; H332 Skin corrosion Category 1A; H314 Serious eye damage/eye irritation Category 1 8 - 100 % Serious eye damage/eye irritation Category 2A 5 - 8 % Oxidizing liquids Category 1 70 - 100 % Oxidizing liquids Category 2 50 - 70 % Skin corrosion/irritation Category 1A 70 - 100 % Skin corrosion/irritation Category 1B 50 - 70 % Skin corrosion/irritation Category 2 35 - 50 % Specific target organ toxicity - single exposure Category 3 H335 35 - 100 %	>= 25 - < 30
Acetic acid	64-19-7 200-580-7 01-2119475328-30	Nota B Flammable liquids Category 3; H226 Skin corrosion Sub-category 1A; H314 Serious eye damage Category 1; H318 Skin corrosion Category 1A H314 >= 90 % Skin corrosion Category 1B H314 25 - < 90 % Skin irritation Category 2 H315 10 - < 25 % Eye irritation Category 2 H319 10 - < 25 %	>= 5 - < 10
Peracetic acid	79-21-0 201-186-8 01-2119531330-56	Flammable liquids Category 3; H226 Organic peroxides Type D; H242 Acute toxicity Category 4; H302 Acute toxicity Category 4; H332 Acute toxicity Category 4; H312 Skin corrosion Category 1A; H314 Acute aquatic toxicity Category 1; H400 Specific target organ toxicity - single exposure Category 3; H335 Chronic aquatic toxicity Category 1; H410	>= 2.5 - < 5



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For the full text of the H-Statements mentioned in this Section, see Section 16.

Section: 4. FIRST AID MEASURES

4.1 Description of first aid measures

Product AS SOLD

- In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
- In case of skin contact : Wash off immediately with plenty of water for at least 15 minutes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention immediately.
- If swallowed : Rinse mouth with water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention immediately.
- If inhaled : Remove to fresh air. Treat symptomatically. Get medical attention.

Product AT USE DILUTION

- In case of eye contact : Rinse with plenty of water.
- In case of skin contact : Rinse with plenty of water.
- If swallowed : Rinse mouth. Get medical attention if symptoms occur.
- If inhaled : Get medical attention if symptoms occur.

4.2 Most important symptoms and effects, both acute and delayed

See Section 11 for more detailed information on health effects and symptoms.

4.3 Indication of immediate medical attention and special treatment needed

- Treatment : Treat symptomatically.

Section: 5. FIREFIGHTING MEASURES

Product AS SOLD

5.1 Extinguishing media

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Unsuitable extinguishing Media : None known.



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5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting	: Special protective equipment for firefighters Oxidizer. Contact with other material may cause fire. Oxidizer; material is an oxidizer which may readily react with other materials, especially upon heating.
Hazardous combustion products	: Depending on combustion properties, decomposition products may include following materials: Carbon oxides

5.3 Advice for firefighters

Special protective equipment for firefighters	: In case of fire, wear a full face positive-pressure self contained breathing apparatus and protective suit.
Further information	: Use water spray to cool unopened containers. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

Section: 6. ACCIDENTAL RELEASE MEASURES

personnel	of spill/leak. Avoid inhalation, ingestion and contact with skin and eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
Advice for emergency responders	: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.

Product AT USE DILUTION

Advice for non-emergency personnel	: Ensure clean-up is conducted by trained personnel only. Refer to protective measures listed in sections 7 and 8.
Advice for emergency responders	: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials.

6.1 Environmental

precautionsProduct

Environmental precautions AS SOLD	: Do not allow contact with soil, surface or ground water.
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Product AT USE DILUTION

Environmental precautions	: Do not allow contact with soil, surface or ground water.
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Methods and materials for containment and cleaning up



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Methods for cleaning up : Stop leak if safe to do so. Isolate the waste do not allow it to come into contact with incompatible materials. For small spills contain with sand or vermiculite and dilute the contained product at least 10 times with water. Transfer to an open topped container and remove to a safe place for neutralization* / disposal. For large spills contain spill and evacuate the area, leave until the reaction subsides, then collect up for disposal. Obtain consent from the local water company / authority if considering discharge to sewer. *NEUTRALIZATION : once diluted, neutralize with a suitable alkali such as sodium bicarbonate. Combustible materials exposed to this product should be rinsed immediately with large amounts of water to ensure that all product is removed. Residual product which is allowed to dry on organic materials such as rags, cloths, paper, fabrics, cotton, leather, wood, or other combustibles may spontaneously ignite and result in a fire.

Product AT USE DILUTION

Methods for cleaning up : Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

7.1 Precautions for safe handling

Product AS SOLD

Advice on safe handling : Do not ingest. Do not get in eyes, on skin, or on clothing. Use only with adequate ventilation. Wash hands thoroughly after handling. Do not breathe spray, vapour. Do not mix with bleach or other chlorinated products – will cause chlorine gas. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.

Product AT USE DILUTION

Advice on safe handling : Use only with adequate ventilation. Wash hands thoroughly after handling. In case of mechanical malfunction, or if in contact with unknown dilution of product, wear full Personal Protective Equipment (PPE).

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling.

7.2 Conditions for safe storage, including any incompatibilities



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Product AS SOLD

Requirements for storage areas and containers : Keep in a cool, well-ventilated place. Keep away from reducing agents. Keep away from strong bases. Keep away from combustible material. Absorb spillage to prevent material damage. Keep out of reach of children. Keep container tightly closed. Keep only in original packaging. Store in suitable labeled containers. Pressure bursts may occur due to gas evolution if the container is not adequately vented.

Storage temperature : 0 °C to 30 °C

Packaging material : Suitable material: Plastic material

Unsuitable material: Mild steel, Aluminium

Product AT USE DILUTION

Requirements for storage areas and containers : Keep out of reach of children. Keep container tightly closed. Store in suitable labeled containers.

7.3 Specific end uses

Product AS SOLD

Specific use(s) : Surface disinfectant. Spray and rinse manual process
Process cleaner. Cleaning In place (CIP) process
Disinfection product. Semi-automatic process

8.1 Control parameters

Product AS SOLD

Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
Acetic acid	64-19-7	AGW	10 ppm 25 mg/m ³	TRGS 900
Further information	Y	When there is compliance with the OEL and biological tolerance values, there is no risk of harming the unborn child		
		TWA	10 ppm 25 mg/m ³	2017/164/EU
Further information		Indicative		
		STEL	20 ppm 50 mg/m ³	2017/164/EU
Further information		Indicative		

Occupational



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Hydrogen peroxide	:	End Use: Workers Exposure routes: Inhalation Potential health effects: Short-term - local Value: 3 mg/m3 End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term local effects Value: 1.4 mg/m3
Peracetic acid	:	End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 0.6 mg/m3 End Use: Workers Exposure routes: Inhalation Potential health effects: Acute systemic effects Value: 0.6 mg/m3 End Use: Workers Exposure routes: Inhalation Potential health effects: Long-term local effects Value: 0.6 mg/m3 End Use: Workers Exposure routes: Inhalation Potential health effects: Acute local effects Value: 0.6 mg/m3 End Use: Workers Exposure routes: Skin contact Potential health effects: Acute local effects Value: 0.12 End Use: Consumers Exposure routes: Inhalation Potential health effects: Long-term systemic effects Value: 0.6 mg/m3



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	End Use: Consumers Exposure routes: Inhalation Potential health effects: Acute systemic effects Value: 0.6 mg/m3 End Use: Consumers Exposure routes: Inhalation Potential health effects: Long-term local effects Value: 0.6 mg/m3 End Use: Consumers Exposure routes: Inhalation Potential health effects: Acute local effects Value: 0.3 mg/m3
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PNEC

Peracetic acid	: Fresh water Value: 0.000224 mg/l Fresh water sediment Value: 0.00018 mg/kg Water Value: 0.051 mg/l Soil Value: 0.32 mg/kg
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8.1 Exposure controls

Product AS SOLD

Appropriate engineering controls

Engineering measures : Effective exhaust ventilation system. Maintain air concentrations below occupational exposure standards.

Individual protection measures

Hygiene measures : Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Wash face, hands and any exposed skin thoroughly after handling. Provide suitable facilities for quick drenching or flushing of the eyes and body in case of contact or splash hazard.