1. Identification

Product Identifiers

XOXR X-O Odor Neutralizer (Ready to Use); XOPR X-O Plus Odor Neutralizer and Cleaner; XOXC Concentrated X-O Odor Neutralizer; XOPC Concentrated X-O Plus Odor Neutralizer and Cleaner

Product Code(s)

XOXR; XOPR; XOXC; XOPC

Recommended use

Odor control and cleaning

Recommended restrictions

None known

Manufacturer Company name

X-O Corporation, 8311 Eastpoint Drive, Suite 100, Dallas, Texas 75227 United States of America

Telephone

+1 214 388 5590 FAX +1 214 388 7140

E-mail

Not available

Emergency phone number

+1 800 442 9696

2. Hazard(s) identification

Physical hazards

Not classified

Health hazards

Not classified

Environmental hazards

Not classified

OSHA hazards

Not classified

Label elements

Hazard symbol

None

Signal word

None

Hazard Statement

None

Precautionary statement

Prevention

None

Response

In case of fire – non flammable – use media proper to primary cause of fire.

Storage

Store in a dry place

Disposal

Dispose contents/container in accordance with local/regional/national/international regulations

Hazard(s) not otherwise classified (HNOC)

None known

Supplemental information

None

3. Composition/information on ingredients

Substances

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
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<tbody>
<tr>
<td>H2S</td>
<td>Water</td>
<td>7732-18-5</td>
<td>XOXR 97.90</td>
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<td>XOPR 98.90</td>
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<td>XOXC 95.80</td>
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<td>XOPC 92.28</td>
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<td>Alkyl polyglycoside</td>
<td>Surfactant 50%</td>
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<td>Water 50%</td>
<td>7732-18-5</td>
<td>XOPR .50</td>
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<td></td>
<td></td>
<td>XOXC 2.00</td>
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<tr>
<td></td>
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<td></td>
<td>XOPC 3.50</td>
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<td>Proprietary essential oil compound HS the specific chemical identity and/or percentage of Composition has been withheld as a trade secret.</td>
<td>XOXR 1.00</td>
<td>XOPR .50</td>
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<tr>
<td></td>
<td></td>
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<td>XOXC 2.00</td>
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<tr>
<td></td>
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<td>XOPC 3.50</td>
</tr>
<tr>
<td>Cetylpyridinium chloride</td>
<td>Quaternary ammonium compound</td>
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<td>XOPR .10</td>
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<td></td>
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<td>XOPC .72</td>
</tr>
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</table>

4. First-aid measures
Inhalation
No effects expected. If breathing is difficult remove to fresh air and look for primary cause of the breathing problem, keep in a rest position comfortable for breathing. Call a physician if symptoms develop or persist.

Skin contact
No effects of exposure expected.

Eye Contact
Rinse with water. Get medical attention if irritation develops or persists.

Ingestion
Rinse mouth with water.

Most important
Direct contact with eyes and ingestion may cause temporary irritation.

Symptoms, acute and delayed indication of
Provide general supportive measures and treat symptomatically.

immediate medical attention and special treatment needed
None

General information
None

5. Fire-fighting measures
Suitable extinguishing media
Non-flammable – use extinguishing media suited to the source of the fire.

Unsuitable extinguishing
Non-flammable - use extinguishing media suited to the source of the fire.

Specific hazards arising
From the chemical
Non-hazardous

Special protective equipment and precautions for fire fighters
None except that necessary for the primary cause of the fire.

Fire fighting equipment/instructions
Those necessary for the primary cause of the fire.

Specific methods
Use standard firefighting procedures and consider the hazards of other involved materials.

General fire hazards
Non-combustible liquid.

6. Accidental release measures
Personal precautions, protective equipment and emergency procedures
None necessary.

Methods and materials for containment and clean up
Mop bucket

Environmental procedures
No procedures specified.

7. Handling and storage
Precautions for safe handling
Observe standard safety handling precautions. Non-toxic.

Conditions for safe storage
Indoor storage in a dry place.

Including and incompatibilities

8. Exposure controls/personal protection
Occupational exposure limits
No exposure limits for ingredients.

Biological limit values
No biological exposure limits noted for ingredients.

Appropriate engineering controls
No engineering controls noted.

Individual protection measures, such as personal protective equipment
Eye/face protection
Wear goggles

Skin protection
No protection noted.

Thermal hazard
None noted.

General hygiene Considerations
Observe good personal hygiene.

9. Physical and chemical properties
Appearance
<table>
<thead>
<tr>
<th><strong>Physical state</strong></th>
<th>Liquid</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Form</strong></td>
<td>Liquid</td>
</tr>
<tr>
<td><strong>Color</strong></td>
<td>Clear to cloudy</td>
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<tr>
<td><strong>Odor</strong></td>
<td>Floral</td>
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<td><strong>Odor threshold</strong></td>
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<tr>
<td><strong>pH</strong></td>
<td>Mid range</td>
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<td><strong>Melting point/freezing point</strong></td>
<td>32.0 F</td>
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<tr>
<td><strong>Initial boiling point and Boiling range</strong></td>
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<tr>
<td><strong>Flash point</strong></td>
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<td><strong>Evaporative rate</strong></td>
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<td><strong>Flammability (solid gas)</strong></td>
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<td><strong>Upper/flammability or exposure limits</strong></td>
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<tr>
<td><strong>Flammability limit-lower (%)</strong></td>
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<tr>
<td><strong>Flammability limit-upper (%)</strong></td>
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<tr>
<td><strong>Exposure limit-lower (%)</strong></td>
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<tr>
<td><strong>Exposure limit-upper (%)</strong></td>
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<tr>
<td><strong>Vapor pressure</strong></td>
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<td><strong>Relative density</strong></td>
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<td><strong>Viscosity</strong></td>
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<tr>
<td><strong>VOC (weight)</strong></td>
<td>Not available</td>
</tr>
</tbody>
</table>

**10. Stability and reactivity**

**Reactivity**
Stable and non-reactive under normal conditions of use, storage and transport

**Chemical stability**
Stable under normal conditions.

**Possibility of hazardous Reactions**
No dangerous reaction known under conditions of normal use.

**Conditions to avoid**
Avoid deodorizing enclosed environment where flammable/explosive (natural gas, LPG methane, petroleum fuels) toxic and carcinogenic substances are, or could be present. Do not use X-O products with toxic or dangerous substances, where the odor of such substances is the only warning of their presence.

**Incompatible material**
Strong oxidizing agents – enzymes – sodium hypochlorite (bleach)

**Hazardous decomposition Products**
No hazardous decomposition products are known

**11. Toxicological information**

**Information or likely routes or exposure**

**Inhalation**
No adverse effects due to inhalation are expected

**Skin contact**
No adverse effects due to skin contact are expected

**Eye contact**
No adverse effects due to eye contact are expected

**Ingestion**
No adverse effects due to ingestion are expected
Toxicological characteristics

Information on toxicological effects

Acute toxicity
Non-toxic

Skin corrosion/irritation
No adverse effects

Serious eye damage/eye irritation
Direct contact with eyes may cause temporary irritation.

Skin corrosion/irritation
No adverse effects

Serious eye damage/eye irritation
Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

Respiratory sensation
Not available

Skin sensitization
Not expected to cause skin sensitization.

Germ cell mutagenicity
No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity

OSHA Specifically Regulated Substances (29 CFR 1910, 1001-1050)
Not listed

Reproductive toxicity
Not expected to cause reproductive or developmental effects.

Specific target organ toxicity
- single exposure
Not classified.

Specific target organ toxicity
- repeated exposure
Not classified.

Aspiration Hazard
Not available

12. Ecological information

Ecotoxicity
Not classified as environmentally hazardous.

Persistence and degradability
Biodegradable

Bioaccumulative potential
Not expected

Mobility in soil
Mobile

Other adverse effects
No adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected.

13. Disposal considerations

Disposal instructions
Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations
Dispose in accordance with all applicable regulations.

Hazardous waste code
The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues/unused products
Dispose of in accordance with local regulations.

Contaminated packaging
Empty containers should be taken to an approved waste handling site for recycling.

14. Transport information

DOT
Not regulated as dangerous goods.

IATA
Not regulated as dangerous goods.

IMDG
Not regulated as dangerous goods

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not available

15. Regulatory Information

US Federal regulations
Not regulated

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)
Not regulated

CERCLA Hazardous Substance List (40 CFR 302.4)
Not listed
SARA 304 Emergency release notification
Not regulated

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed

Superfund Amendments and Regulated Substances Act of 1986 (SARA)
Hazard categories
Immediate Hazard – No
Delayed Hazard – No
Fire Hazard – No
Pressure Hazard – No
Reactivity Hazard – No

SARA 302 Extremely hazardous substance
Not listed

SARA 311/312 Hazardous chemical
Not listed

SARA 313 (TRI reporting)
Not regulated

Other federal regulations
Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated
Safe Drinking Water Act (SDWA)
Not regulated

US state regulations
US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)
Not listed
US. Massachusetts RTK – Substance List
Not regulated
US. New Jersey Worker and Community Right-to-know Act
Not listed
US. Pennsylvania Worker and Community Right-to-know Law
Not listed
US. Rhode Island RTK
Not regulated
US. California Proposition 65
California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) These products are not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

<table>
<thead>
<tr>
<th>Country(s) or regions</th>
<th>Inventory name</th>
<th>On inventory (yes/no)*</th>
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</thead>
<tbody>
<tr>
<td>Australia</td>
<td>Australian Inventory of Chemical Substances (AICS)</td>
<td>Yes</td>
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<tr>
<td>Canada</td>
<td>Domestic Substances List (DSL)</td>
<td>Yes</td>
</tr>
<tr>
<td>Canada</td>
<td>Non-Domestic Substances (NDSL)</td>
<td>No</td>
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<tr>
<td>China</td>
<td>Inventory of Existing Chemical Substances in China</td>
<td>Yes</td>
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<tr>
<td>Europe</td>
<td>European Inventory of Existing Commercial Chemical Substances (ELINCS)</td>
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<tr>
<td>Japan</td>
<td>Inventory of Existing and New Chemical Substances (ENCS)</td>
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<tr>
<td>Korea</td>
<td>Existing Chemicals List (ECL)</td>
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</tr>
<tr>
<td>New Zealand</td>
<td>New Zealand Inventory</td>
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<tr>
<td>Philippines</td>
<td>Philippine Inventory of Chemicals and Chemical Substances (PICCS)</td>
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<tr>
<td>United States &amp; Puerto Rico</td>
<td>Toxic Substances Control Act (TSCA) Inventory</td>
<td>Yes</td>
</tr>
</tbody>
</table>

*A “Yes” indicates that all the components of this product comply with the inventory requirements administered by the governing country(s)
A “No” indicates that one or more of the components of the product are not listed or exempt for listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision
<table>
<thead>
<tr>
<th><strong>Issue date</strong></th>
<th>07-15-2015</th>
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<td><strong>Version #</strong></td>
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<tr>
<td><strong>Disclaimer</strong></td>
<td>The information in the sheet was written based on the best knowledge and experience currently available.</td>
</tr>
<tr>
<td><strong>Revision Information</strong></td>
<td>This document has undergone significant changes and should be reviewed in its entirety.</td>
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