Benefits

Eliminate odors effortlessly by spraying X4JH2000-OCC directly onto the surface. When used with a pressure washer for cleaning, the residual water is safe for discharge into storm drains, thanks to the product's biodegradable properties.

Standards of Conformance Covered by:

USEPA (United States Environmental Protection Agency).
LC-50 Aquatic Toxicity Test.
USEPA 8260B.
USEPA 8270C.

TCEQ (Texas Commission of Environmental Quality).
Texas 1005 TPH (Total Petroleum Hydrocarbons)

ECHA (European Chemicals Agency)

Regional:

South America
Republic of China
United States of America
Oceania
Italy

X4 Environmental Inc.
A NATURE RESTORATION COMPANY

X4JH2000-OCC Odor Control/Multipurpose Washing Agent Product Description

X4JH2000-OCC is a proprietary blend of non-toxic, biodegradable, non-flammable, water-soluble chemicals and selected nutrients that can be specially blended for various applications.

- **Landfill Odor Control**
- **Waste management facilities Odor Control**
- **Garbage truck and dumpster washing**
- **Street washing and city street receptacles odor control**
- **Medical Waster/Deceased animal Odor control**

Landfill, Waste management facilities odor control

X4JH2000-OCC accelerates oxidation, simulating the natural process of biodegradation. It effectively eliminates odor-producing molecules by dispersing them and exposing them to oxygen, either by spraying directly onto the material or through a mist and vapor system, to achieve rapid odor neutralization and contribute to a cleaner, healthier environment.

Multipurpose Washing Application

Apply X4JH2000-OCC to street-washing trucks to effectively maintain clean and odor-free streets. Regularly cleaning city street receptacles with X4JH2000-OCC not only removes waste residues but also effectively controls odors, ensuring a more pleasant environment for residents and visitors.

The runoff water from the cleaning process, which flows into storm drains, helps prevent unpleasant odors, ensuring a fresher and more hygienic environment.

Maintaining clean garbage trucks not only enhances their professional appearance but also ensures smooth operation and reduces unpleasant odors. Regular pressure washing with X4JH2000-OCC helps promote a healthier work environment for your waste collectors and other employees.

Medical Waster/Deceased animal Odor control

By accelerating the oxidation process, spraying X4JH2000-OCC onto medical waste and deceased animals can instantly eliminate odors.

Waste Water Odor Control

Instead of spending hundreds of thousands of dollars on odor control systems, the X4JH2000 offers a simpler solution: apply just 1 gallon of X4JH2000-OCC to 200 gallons of wastewater for effective odor control. The results are almost immediate.

X4JH2000

SAFETY DATA SHEET

Date Prepared: 11/3/2022
Supersedes Date: New

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Identifier:	**X4JH2000-OCC**
Chemical Family:	Mixture
Product Use/Description:	Industrial Detergent - Concentrated
Restricted Use(s):	Avoid use in food and food products.
Company Identification:	X4 Environmental Inc.
Address:	6100 Corporate Dr. Suite 366 Houston, Texas 77036
Phone:	(832) 247-4984 (For Product Information)
SDS Preparer:	Manufacturer (832) 247-4984

For Chemical Emergency (Spill, Leak, Fire, Exposure, or Accident) Call X4 Environmental Day or Night
Within USA and Canada: (832) 247-4984
Outside USA and Canada: (832) 247-4984

2. HAZARDS IDENTIFICATION

Classification
Not a hazardous substance or mixture.

Signal Word
Non Hazardous

Hazard Statements
Causes slight eye irritation

Precautionary Statements
Do not eat, drink or smoke when using this product.

Label Pictograms
NONE

3. COMPOSITION / INFORMATION ON INGREDIENTS

CONTAINING: HAZARDOUS AND/OR REGULATED COMPONENTS

Chemical Name	Percentage	CAS Number
Water	86 – 92%	7732-18-5
Proprietary Surfactant Blend	8 – 14%	Trade Secrets

Some items on this MSDS may be designated as proprietary and/or trade secrets (TS).

4. FIRST AID MEASURES

Eyes: Immediately flush eyes thoroughly with water. Remove contact lenses. Continue flushing eye for at least 15 minutes, including under lids. If irritation persist seek immediate medical attention.

Skin: In case of contact, immediately wash with plenty of water for at least 5 minutes. Seek medical attention if irritation or redness occurs. Remove contaminated clothing and shoes. Clean contaminated clothing and shoes before re-use.

Ingestion: Do not give victim anything by mouth. Do not attempt to dilute by drinking water. Do not induce vomiting without medical advice. Seek immediate medical attention. Do not leave victim unattended. Vomiting may occur spontaneously. To prevent aspiration of swallowed product, lay victim on side with head lower than waist.

Inhalation: If respiratory irritation or distress occurs remove victim to fresh air. Seek medical attention if respiratory irritation or distress continues. If breathing is difficult, give oxygen. If breathing as ceased apply artificial respiration using oxygen and a suitable mechanical device such as a bag and a mask.

Notes to Physician: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

5. FIRE FIGHTING MEASURES

Hazardous Combustion Products – Oxides of carbon.
Unusual Fire & Explosion Hazards – None known.
Extinguishing Media – Use dry chemical, carbon dioxide, foam, and/or water fog.
Special Firefighting Procedures – Use full fire bunker assembly with SCBA, water spray for exposure protection.
Auto Ignition Temperature – Not Applicable

6. ACCIDENTAL RELEASE MEASURES

Containment of Spill: Dike or retain dilution water or water from firefighting for later disposal. Follow procedure described below under cleanup and disposal of spills.

Cleanup and Disposal of Spill: Vacuum or pump into an appropriate storage container. For smaller spills, use absorbent materials and dispose of properly. If diluting with water, collection water runoff for proper disposal per the Federal and State regulations.

Environmental and Regulatory Reporting Spills may be reportable to the National Response Center (1-800-424-8802) and to state and/or local agencies.

7. HANDLING AND STORAGE

Minimum/Maximum Storage Temperature: Store at temperatures of 35ºF to 120ºF (4ºC to 49ºC)

Handling: Avoid inhalation or contact with eyes, skin, or clothing. Avoid prolonged or repeated exposure. Use with adequate ventilation. Wash contaminated clothing before reuse.

Storage: Store in an area that is dry, well-ventilated and in tightly closed containers. Store the product in original container or appropriate end-use container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines: Not determined.

Engineering Controls: Where engineering controls are indicated by the conditions involving the use of the product or a potential for excessive exposure exists, the following traditional exposure techniques may be used to effectively minimize employee exposures:

Eye Protection: When engaged in activities where product could contact the eye, wear safety glasses with side shields or goggles.

Skin Protection: Skin contact should be minimized through use of latex gloves and suitable long-sleeved chemical splash clothing.

Respiratory Protection: Avoid actions that cause vapor exposure to occur. Use local or general ventilation to control exposures below applicable exposure limits.

Ventilation: Use local exhaust or general dilution ventilation to control exposure within applicable limits.

Work Practice Controls:

Personal hygiene is an important workplace practice exposure-control measure. The following general measures should be taken when working with or handling this material:

(1) Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored.
(2) Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet.
(3) Wash exposed skin promptly to remove accidental splashes or contact with this material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance – Clear Blue liquid
Odor – bland
Physical State – Liquid
Density – **8.32** lbs./gal
Specific Gravity (H2O=1) – 0.99 - 1.00
pH – 6.5 – 7.5
Odor Threshold – Not Evaluated
Vapor Density – Not available
Flammability (solid/gas) – Not Applicable
Lower/Upper Flammability/Explosive Limits– Not Applicable
Partition Coefficient (n-octanol/water) – Not Available

Vapor Pressure – Not determined
Flash Point-Does not flash
Boiling Point – **212 F**
Melting Point – -Not determined
Autoignition Temp – Not determined
Solubility in Water – **soluble**
Evaporation Rate – 1
Decomposition Temperature– Not Evaluated

10. STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Conditions to avoid: Extremes of temperature and direct sunlight.

Hazardous Polymerization: Hazardous polymerization will not occur.

Incompatibility with other materials: Strong oxidizing agents, acids.

Hazardous Decomposition: Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

Acute Eye and Skin Toxicity Data:
Toxicological Information and Interpretation: Not determined.

Teratology: This product has not been evaluated for fetotoxic and teratogenic effects in animals at concentrations that produce maternal toxicity.

Mutagenicity: Not evaluated

Reproduction: Not evaluated

Chronic Toxicity:
This product does not contain substances that are considered by OSHA, NTP, IARC or ACGIH to be "probable" or "suspected" human carcinogens.

12. ECOLOGICAL INFORMATION

Ecotoxicity: No data found for product.

Chemical Fate Information: No data found for product.

Ecotoxicity: This product has potential ecotoxcity in the event of exposure to aquatic organisms and systems.

Bioaccumulative Potential: No data found for product.

13. DISPOSAL CONSIDERATIONS

Waste Disposal: Chemical additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate, or otherwise inappropriate. Dispose of waste material according to local, state, and federal regulations.

Container Disposal Method: Emptied container may contain product residue and should not be reused.

14. TRANSPORTATION INFORMATION

Department of Transportation (DOT): NOT REGULATED AS DANGEROUS OR HAZARDOUS MATERIAL.

International Air Transport Association (IATA): **NOT REGULATED AS DANGEROUS OR HAZARDOUS MATERIAL.**

15. REGULATORY INFORMATION

Federal Regulatory Status:

Status under OSHA Hazard Communication Standard, 29 CFR 1910.1200: This product is not considered a "hazardous chemical" under this regulation.

Reportable Quantities Under the Clean Water Act, CERCLA, and EPCRA, 40 CFR 117, 302 and 355:
The product does not contain components regulated under this section.

Hazard Category and Applicability of EPCRA Hazardous Substance Inventory Reporting, 40 CFR 370:
The product does not contain components regulated under this section.

Applicability of EPCRA Toxic Chemical Release Inventory (TRI) Reporting, 40 CFR 372: N/A

Status Under the Toxic Substances Control Act, 40 CFR 710:
All chemical(s) comprising this product are either exempt or listed on the TSCA Inventory.

Drug Enforcement Administration (DEA):
Not regulated under 21 CFR 1310.02(b) and 1310.04(f)(2) or 21 CFR 1310.12.

SARA Title III Hazard Classes:

Acute Health Hazard:	No
Chronic Health Hazard:	No
Fire Hazard:	No
Reactive Hazard:	No
Release of Pressure:	No

16. OTHER INFORMATION

NFPA Ratings: Health: **1** Flammability: **0** Reactivity: **0**

Hazardous Material Information System (HMIS):	**Health**	**1**
	Flammability	**0**
	Physical Hazard	**0**
	Personal Protection	**C**

NFPA/HMIS Definitions: 0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme

Protective Equipment: C (Safety glasses, gloves, and chemical splash apron)

Preparation Date 06-November-2015
Revision Summary New SDS

ADDITIONAL INFORMATION:

The information contained in this document is given in good faith and based on our current knowledge. It is only an indication and is in no way binding, notably as regards infringement of, or prejudice to third parties through the use of our products. X4 Environmental guarantees that its products comply with its sales specifications. This information must on no account be used as a substitute for necessary prior tests which alone can ensure that a product is suitable for a given use. Users are responsible for ensuring compliance with local legislation and for obtaining the necessary certifications and authorizations.

END OF SDS