

Material Safety Data Sheet

Issue Date: 10/30/07

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Section 1: PRODUCT AND COMPANY IDENTIFICATION

RE-Ox LLC

9179 West Flamingo Road, Suite 110

Las Vegas, NV 89147

Company & Emergency Phone Number: (702) 360-3520

Product Name: **RE-Ox**[®]

Section 2: HAZARDS IDENTIFICATION

Appearance/Odor: Clear liquid with slight chlorine odor.

This material is considered NOT hazardous to health by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

EYE – Contact of eye tissues with liquid may cause slight irritation
INHALATION – Inhalation of high vapor concentrations may cause shortness of breath, irritation of mucous membranes.
INGESTION – Ingestion of this material may cause gastrointestinal irritation.

Potential of low concentrations of chlorine gas if mixed with acids or other low pH solutions.

Section 3: COMPOSITION / INFORMATION ON INGREDIENTS

| Component | CAS # | % by Wt |
|------------------------|-----------|---------------|
| NaOCl (activated HOCl) | 7790-92-3 | 0.08% - 0.02% |

Section 4: FIRST AID MEASURES

Eye Contact: Flush with water.
Skin Contact: Rinse with water.
Inhalation: Move to fresh air.
Ingestion: Drink water.

Section 5: FIRE FIGHTING MEASURES

Product is non-flammable.

Section 6: ACCIDENTAL RELEASE MEASURES

Treat as non-hazardous. Allow to evaporate in place.

Section 7: HANDLING AND STORAGE

Keep out of Sunlight. Keep cool for longest life (refrigerate if possible).

Section 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Treat as non-hazardous. No exposure or engineering controls needed. Eye, face, skin or respiratory protection is NOT required.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Color: Colorless
Odor: Slight Chlorine
Odor Threshold: Not Available
Physical State: Liquid
pH: 6.5 – 7.5
Freezing Point: ≈ 30° F
Boiling Point: ≈ 212° F
Flash Point: Not Applicable
Evaporation Rate: 40g/m²/hr @ 68° F (20° C)
Flammability (solid, gas): Not Flammable
Upper Flammability Limit: Not applicable
Lower Flammability Limit: Not applicable
Vapor Pressure: 17.54 mmHg @ 68° F (20° C)
Vapor Density: 17.3 gm/m³ @ 68° F (20° C)
Specific Gravity: 1.0 @ 68° F (20° C)
Solubility (water): 100%
Partition Coefficient (n-octanol/water): No Data Available

Fm #TS300-103007R2

Auto-Ignition Temperature: Not Applicable

Percent Volatile, wt. %: 99.9%

Volatile Organic Compound (VOC) content, wt. %: 0%

Section 10: STABILITY AND REACTIVITY

Stability: Stable

Conditions to Avoid and Incompatible Materials: Acids or other low pH solutions.

Hazardous Decomposition Products: Low concentrations of Hydrochloric acid.

Possibility of Hazardous Reactions: Reaction with acids or low pH solutions may create low concentrations of chlorine gas.

Section 11: TOXICOLOGY INFORMATION

ACUTE EFFECTS

Oral LD₅₀: > 5,000 mg/kg (rats)
Inhalation LC₅₀: > 2.30 mg/L (rats)
Eye Irritation: Non-irritating (rabbits)
Skin Irritation: Non-irritating (rabbits)
Sensitization: No sensitizing reaction (guinea pigs)

CHRONIC EFFECTS

Carcinogenicity: Found to be non-carcinogenic in accordance with OSHA, NTP, and IARC standards.

Mutagenicity, Reproductive Effects, Developmental Effects: No data

Section 12: ECOLOGICAL INFORMATION

Ecotoxicity: No data available

Persistence/ Degradability, Bioaccumulation/ Accumulation: No data

Mobility in Environment: Free flowing liquid, similar to water.

Section 13: DISPOSAL CONSIDERATIONS

Allow to evaporate in place. Dispose of in accordance with existing Federal, State and Local environmental regulations.

Section 14: TRANSPORTATION INFORMATION

US DOT: Title 49 Section 172, this product is NON – LISTED.

It is not considered hazardous to health.

ICAO, IMDG, TDG: See US DOT

Section 15: REGULATORY INFORMATION

Surface Sanitizing - EPA Reg. No. 74321-2. Deposit Control - NSF/ANSI Registered Standard 60 and G4 (Spicer Randolph LLC). USDA approval program, meets FDA 21 CFR. CFIA Accepted.

Section 16: OTHER INFORMATION

HAZARD RATING: Health – 0, Fire – 0, Reactivity - 0
0 – Minimum, 1 – Slight, 2 – Significant, 3 – Serious, 4 – Extreme



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