

## SAFETY DATA SHEET

### Section 1 PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** PureOXY 2.5

**PRODUCT USE:** Creates a constant, stable on-demand oxidation formula that is non-fuming, non-toxic to inhale and not a skin sensitizer.

PureAg LLC  
437 East 2100 South  
Salt Lake City, Utah 84115  
www.pureagproducts.com  
801-651-3201

**EMERGENCY:** 801-651-3201

Poison Center: 800-222-1222

### Section 2 HAZARD IDENTIFICATION

**HMIS:**

**Health:** 1

**Flammability:** 0

**Reactivity:** 0

**Protective Equipment:** See protective equipment in Section 8.

#### POTENTIAL HEALTH EFFECTS

**Eye Contact:** Possible eye redness, tearing and blurred vision.

**Skin Contact:** Not a skin irritant or skin sensitizer.

**Skin Absorption:** Not known to absorb.

**Ingestion:** May cause gastrointestinal irritation if large quantities are ingested. Do not induce vomiting.

### Section 3 COMPOSITION INFORMATION

Component	CAS#	PROPORTION
Hydrogen Peroxide	7722-84-1	Proprietary, Below Reporting Requirement
Glycolic Acid	79-14-1	Proprietary, Below Reporting Requirement
Peroxyglycolic Acid	Not Applicable	Proprietary, Below Reporting Requirement
Inert Food Grade Ingredients Deemed not to be Hazardous	Proprietary	Proprietary, Below Reporting Requirement

### Section 4 FIRST AID MEASURES

**Eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, and then continue rinsing. Call a poison control center or physician for treatment advice if irritation persists.

**Ingestion:** Dilute by drinking water or milk. Do not induce vomiting.

**Inhalation:** No effects are anticipated. If breathing stops, remove to fresh air.

### Section 5 FIRE FIGHTING MEASURES

**Flammable Properties:** This product is non-flammable, however liberates oxygen which supports combustion.

**Flash Point:** Not Applicable, will not flash.

**Method:** Not Applicable.

**Flammability Limits:** Lower/Upper Explosion Limits: Not Flammable

**Auto-ignition Temperature:** Not Applicable.

**Hazardous Combustion Products:** None Reported.

**Fire/Explosion Hazards:** Product liberates oxygen which supports combustion. Keep away from flames.

**Static Discharge:** None reported.

**Mechanical Impact:** None reported.

**Extinguishing Media:** Flood with water as appropriate to surrounding fire conditions.

**Fire Fighting Instructions:** As in any fire, wear self-contained breathing apparatus pressure-demand and full protective gear. Evacuate area and fight fire from a safe distance.

### Section 6 ACCIDENTAL RELEASE MEASURES

**Spill Response Notice:** Only persons properly qualified to respond to an emergency involving hazardous substances may respond to a spill according to federal regulations (OSHA 29 CFR 1910.120(a)(v) and per your company's emergency response plan and guidelines/procedures. See Section 13, Special Instruction for Disposal Assistance.

**Containment Technique:** Stop spilled material from being released to the environment.

**Clean-up Technique:** Scoop up spilled material into a contained area and dilute with water. Flush reacted material to the drain with a large amount of excess water.

**Evacuation Procedure:** Evacuate as necessary to perform spill clean-up. If conditions warrant, increase the size of the evacuation.

**Special Instruction (for accidental release):** Not applicable.

**DOT Emergency Response Guide Number:** Not applicable.

### Section 7 HANDLING AND STORAGE

**Handling Procedures:** Maintain general industrial hygiene practices when using this product.

**Storage Procedures:** Store in a cool, dry, well-ventilated area using venting container lids at room temperature. DO NOT ALLOW TO FREEZE. Keep away from chlorine and other halogenated compounds. Never mix with chlorine out of water.

**Flammability Class:** Not flammable.

### Section 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Maintain general industrial hygiene practices when using this product.

#### PERSONAL PROTECTIVE EQUIPMENT

**Eye Protection:** Wear splash goggles when pouring or handling.

**Skin Protection:** Wear waterproof gloves and shoes when handling.

**Inhalation Protection:** Not applicable.

**Precautionary Measures:** Not applicable.

**TLV:** Not established.

**PEL:** Not established.

### Section 9 PHYSICAL AND CHEMICAL PROPERTIES

**Physical State:** Liquid

**Appearance:** Clear

**Odor:** Very slightly acrid

**pH:** ± 2.0

**Vapor Pressure:** Same as water

**Vapor Density (air = 1):** Not applicable

**Boiling Point:** 214°

**Melting Point:** Not determined

**Freezing Point:** -5° C

**Specific Gravity (H<sub>2</sub>O = 1):** 1.044

**Evaporation Rate:** >1

**Volatile Organic Compounds:** Not applicable

**Biodegradability:** 14 days = 80%

ASTM Method D-2667-82/ASTM 2667-89: 45.95% @.002%=7 days

ASTM Method D-2667-82/ASTM 2667-89: 97.52% @.002%=14 days

**Solubility:**

**Water:** Soluble

**Acid:** Soluble

**Other:** Not determined

**Metal Corrosivity:**

**Steel:** 0.7 Inch Per Year (ASTM G31-72)

**Aluminum:** 0.0 Inch Per Year (ASTM G31-72)

CONTINUED

### Section 10 STABILITY AND REACTIVITY

**Chemical Stability:** Stable when stored under proper conditions.  
**Conditions to Avoid:** Extreme temperatures, fire or open flame, chlorine.  
**Incompatible Products:** Pure concentrations of chlorine or other halogenated compounds.  
**Hazardous Decomposition:** No hazardous decomposition products are known.  
**Hazardous Polymerization:** Will not occur

### Section 11 TOXICOLOGICAL INFORMATION

**PRODUCT TOXICOLOGICAL DATA:**

**LC50 (fathead):** NOEC= $\geq$ 500mg/L for full strength PureOxy 1  
LOEC= $\leq$ 1,000mg/L for full strength PureOxy 1  
MAWC=707mg/L for full strength PureOxy 1

**Dermal Toxicity:** None irritating  
**Skin & Eye Irritation:** Mild irritant  
**Reproductive Effects:** None reported

### Section 12 ECOLOGICAL INFORMATION

**Product Ecological Data:** No data available for this product  
**Ingredient Ecological Data:** All ingredients decompose to water, O<sub>2</sub>, CO<sub>2</sub>  
**Biodegradation:** >80% in 14 days

### Section 13 DISPOSAL CONSIDERATIONS

**EPA Waste Permit Number:** Not necessary  
**Special Instructions (Disposal):** Comply with all federal, state or local regulations and laws when disposing of any chemical.  
**Empty Containers:** Rinse and dispose as normal trash always follow local rules and regulations.  
**NOTICE:** These disposal guidelines are based on federal regulations and may be superseded by more stringent state or local requirements. Please consult your local environmental regulators for more information.

### Section 14 TRANSPORT INFORMATION

**D.O.T.**  
**Proper shipping name:** Non-hazardous liquid, NOI  
**Hazard Class:** Not applicable  
**Subsidiary Risk:** Not applicable  
**ID Number:** Not applicable  
**Packing Group:** Not applicable

### Section 15 REGULATORY INFORMATION

**U.S. Federal Regulations:**  
**O.S.H.A.:** This product does not meet the criteria for a hazardous substance as defined in the Hazard Communication Standard. (29CFR 1910.1200)

**EPA:**

**S.A.R.A. Title III, Section 311/312 Categorization (40 CFR 370):** This product is not hazardous under 29 CFR 1910.1200 and therefore is not covered by Title III under S.A.R.A.

**S.A.R.A. Title III, Section 313 (40 CFR 372):** This product does NOT contain any chemical subject to the reporting requirements of Section 313 of SARA, Title III.

**Clean Water Act (40 CFR 116.4):** Not applicable

**State Regulations:**

**Identification of Prop. 65 Ingredient(s):** None

**National Inventories:**

**TSCA CAS Numbers:** Proprietary

### Section 16 OTHER INFORMATION

**Harmonized System Code:**

2918.90 Other Carboxylic Acid with Oxygen Function

**User Responsibility:**

Each user should read and understand this information and incorporate it in individual site safety programs in accordance with applicable hazard communication standards and regulations.

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED TO BE ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF.