

# SAFETY DATA SHEET

## 1. Product and Company Identification

<b>PRODUCT NUMBER:</b>	2390	<b>COMPANY PHONE:</b>	1-800-241-8180
<b>PRODUCT NAME:</b>	MULTI-OXIDE	<b>EMERGENCY TELEPHONE:</b>	1-800-535-5053
<b>PRODUCT DESCRIPTION:</b>	One-Step Disinfectant, Cleaner & Deodorizer	<b>INFOTRAC:</b>	1-800-535-5053
<b>COMPANY INFORMATION:</b>	<b>PRO CHEM, INC.</b> 1475 Bluegrass Lakes Parkway Alpharetta, GA 30004		

## 2. Hazards Identification

<b>GHS CLASSIFICATION:</b> Skin corrosion/irritation: Category 2 Serious eye damage/eye irritation: Category 1 Hazardous to aquatic environment acute toxicity: Category 3	<b>SIGNAL WORD:</b> <b>DANGER</b>	<b>SYMBOL:</b>		
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### HAZARD STATEMENTS:

Causes skin irritation.  
Causes serious eye damage.  
Harmful to aquatic life.

### PRECAUTIONARY STATEMENTS:

**Prevention:** Do not breathe mist or spray.

Wash face, hands and any exposed skin thoroughly after handling.  
Wear protective gloves/protective clothing/eye protection/face protection.  
Avoid release to the environment.

**Response:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse.

**SPECIFIC TREATMENT:** Remove from exposure and treat symptoms.

**Storage:** No other specific measures identified.

**Disposal:** Dispose of contents/container to an approved waste disposal plant.

### UNKNOWN ACUTE TOXICITY:

None known.

### \*Product AT USE DILUTION:

**GHS Classification:** Not classified.

**Signal Word:** No signal word.

**Hazard Statements:** No known significant effects or critical hazards.

**Prevention:** Wash thoroughly after handling.

**Response:** Get medical attention if symptoms appear.

**Disposal:** No other specific measures identified.

**Other Hazards:** None known.

## 3. Composition / Information on Ingredients

Chemical Name	CAS	Concentration % by Weight
Water	7732-18-5	60-100
Propylene Glycol n-Propyl Ether	1569-01-3	7-13
Dodecylbenzenesulfonic Acid	68584-22-5	5-10
Alcohols, C6-C12, ethoxylated	68439-45-2	1-5
Hydrogen Peroxide	7722-84-1	1-5
Phosphoric Acid	7664-38-2	1-5

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### \*Product AT USE DILUTION:

No hazardous ingredients in reportable quantities are present in the product.

## 4. First Aid Measures

### EMERGENCY OVERVIEW

**EYES:** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove and discard contact lenses. Seek immediate medical attention/advice.

**SKIN:** Irritating to skin; may cause burns on extended contact. Immediately flush skin with running water for 15 minutes. If irritation persists, get medical attention.

### INHALATION:

Accidental inhalation is not likely. Inhalation of concentrated vapors of this product may cause irritation or burns. If breathing becomes difficult, remove to fresh air. If discomfort persists, get medical attention.

### INGESTION:

May be harmful if swallowed. Immediately drink large amounts of water and seek medical attention. Do NOT induce vomiting.

### MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

Contact with eyes may cause damage. Prolonged or repeated contact with skin may cause irritation.

**INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED:**

**Notes to Physician:** Treat symptomatically.

**\*Product AT USE DILUTION**  
**Eye Contact:** May cause eye irritation. Rinse with water for a few minutes.  
**Skin Contact:** May cause skin irritation. Rinse with water for a few minutes.  
**Inhalation:** No special measures required. Treat symptomatically.  
**Ingestion:** Get medical attention if symptoms occur.

**5. Fire-Fighting Measures**

**SUITABLE FIRE EXTINGUISHING MEDIA:**  
Water spray (fog). Carbon dioxide (CO<sub>2</sub>). Dry chemical. Foam.  
**UNSUITABLE FIRE EXTINGUISHING MEDIA:**  
Not determined.  
**SPECIFIC HAZARDS ARISING FROM THE CHEMICAL:**  
This product contains hydrogen peroxide which could accelerate burning when involved in a fire.  
**SPECIAL PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:**  
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. Accidental Release Measures**

**PERSONAL PRECAUTIONS:**  
Use personal protective equipment as required.  
**ENVIRONMENTAL PRECAUTIONS:**  
Avoid release to the environment.  
**METHODS & MATERIALS FOR CONTAINMENT & CLEANUP:**  
Prevent further leakage or spillage if safe to do so. Collect spillage. Collect in a clean, dry waste container for disposal. Dilute remaining residue with water.

**\*Product AT USE DILUTION**  
**Personal Precautions:** Use personal protective equipment as required.  
**Environmental Precautions:** Avoid contact of large amounts of spilled material and runoff with soil and surface waterways.  
**Methods for Cleanup:** Use a water rinse for a final cleanup.

**7. Handling and Storage**

**SAFE HANDLING:**  
Wash thoroughly after handling. Use personal protection recommended in Section 8. Do not breathe dust/fume/gas/mist/vapors/spray.  
**SAFE STORAGE & INCOMPATIBILITIES:**  
Keep containers tightly closed in a dry, cool and well-ventilated place. Keep locked up and out of reach of children. Keep only in original container. Keep from freezing.  
**Incompatible Materials:** Strong acids, strong bases, metals, salts, organics, reducing agents, dust and dirt.

**\*Product AT USE DILUTION:**  
**Handling and Storage:** Wash thoroughly after handling. Keep out of reach of children.

**8. Exposure Controls / Personal Protection**

<b>EXPOSURE GUIDELINES:</b>			
<b>Components</b>	<b>ACGIH TLV</b>	<b>OSHA PEAL</b>	<b>NIOSH IDLH</b>
Hydrogen Peroxide 7722-84-1	TWA: 1 ppm	1.4 mg/m <sup>3</sup>	
Phosphoric Acid 7664-38-2	STEL: 3 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> (vacated)	IDLH: 1000 mg/m <sup>3</sup>
	TWA: 1 mg/m <sup>3</sup>	TWA: 1 mg/m <sup>3</sup> (vacated)	TWA: 1 mg/m <sup>3</sup>
		STEL: 3 mg/m <sup>3</sup>	STEL: 3 mg/m <sup>3</sup>

**PERSONAL PROTECTIVE EQUIPMENT:**



**Eye/Face Protection:** Splash goggles or safety glasses.  
**Skin Protection:** Rubber, Nitrile, PVC or other chemically resistant skin protection to prevent contact.  
**Respiratory Protection:** Ensure adequate ventilation, especially in confined areas.  
**General Hygiene Considerations:** Handle in accordance with good industrial hygiene and safety practice.

**APPROPRIATE ENGINEERING CONTROLS:**  
Ventilation systems. Eyewash stations. Showers.

**\*Product AT USE DILUTION:**  
**Engineering Controls:** Good general room ventilation should be adequate.  
**Eye Protection:** Wear glasses or goggles when exposure may occur.  
**Skin and Body Protection:** Wear protective gloves when handling this product.  
**Respiratory Protection:** No protective equipment is needed under normal use conditions.  
**General Hygiene Considerations:** Handle in accordance with good industrial hygiene and safety practice.

**9. Physical & Chemical Properties**

<b>Appearance:</b>	Clear.	<b>Flammability(solid/gas):</b>	Not applicable-liquid.
<b>Physical State:</b>	Liquid.	<b>Flammability Limit-lower (%):</b>	Not determined.
<b>Color:</b>	Colorless.	<b>Flammability Limit-upper (%):</b>	Not determined.
<b>Odor:</b>	None.	<b>Explosive Properties:</b>	Not determined.
<b>Odor Threshold:</b>	Not determined.	<b>Oxidizing Properties:</b>	Not determined.
<b>pH:</b>	<1.0.	<b>Vapor Density:</b>	Not determined.
<b>Melting/Freezing Point:</b>	Approximately 32°F.	<b>Vapor Pressure:</b>	Not determined.

<b>Boiling Point/Range:</b>	Approximately 212°F.	<b>Kinematic Viscosity:</b>	Not determined.
<b>Dynamic Viscosity:</b>	Not determined.	<b>Solubility (water):</b>	Completely soluble @ 25°C (77°F).
<b>Flash Point:</b>	Not applicable.	<b>Auto-Ignition Temp:</b>	Not determined.
<b>Specific Gravity:</b>	1.04.	<b>Decomposition Temp:</b>	Not determined.
<b>Evaporation Rate:</b>	Not determined.	<b>Partition Coeff(n-octanol/water):</b>	Not determined.
		<b>Solubility in other solvents:</b>	Not determined.

**\*Product AT USE DILUTION**

**Physical State:** Liquid.  
**Color:** Colorless.  
**Odor:** None.  
**pH:** 2.5 – 3.5.

**10. Stability & Reactivity Information**

**REACTIVITY:**

Not reactive under normal conditions.

**CHEMICAL STABILITY:**

Stable under recommended storage conditions.

**POSSIBILITY OF HAZARDOUS REACTIONS:**

Stable under recommended storage conditions.

**CONDITIONS TO AVOID:**

Keep out of reach of children. Keep from freezing.

**INCOMPATIBLE MATERIALS:**

Strong acids, strong bases, metals, salts, organics, reducing agents, dust and dirt.

**HAZARDOUS DECOMPOSITION PRODUCTS:**

Oxygen gas, carbon dioxide, carbon monoxide, hydrocarbons or organic compounds may be formed during thermal decomposition.

**11. Toxicological Information**

**PRIMARY ROUTE OF ENTRY:**

**Eyes:** May cause eye damage.

**Skin:** May cause skin irritation.

**Inhalation:** Avoid breathing vapors or mists.

**Ingestion:** Do not taste or swallow.

**SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:**

Please see Section 4 of this SDS for symptoms.

**DELAYED & IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT & LONG-TERM EXPOSURE:**

**Carcinogenicity:** Not classifiable as a human carcinogen.

**NUMERICAL MEASURES OF TOXICITY:**

Not determined.

**UNKNOWN ACUTE TOXICITY:**

None known.

Component	Oral LD50	Dermal LD50	Inhalation LC50
Propylene Glycol n-Propyl Ether 1569-01-3	= 2504 mg/kg (Rat)	= 3350 mg/kg (Rabbit)	-
Dodecylbenzenesulfonic Acid 68584-22-5	= 1450 mg/kg (Rat)	> 2000 mg/kg (Rabbit)	-
Alcohols, C6-C12, ethoxylated 68439-45-2	= 5100 mg/kg (Rat)	= 1500 mg/kg (Rabbit)	> 3.2 mg/L (Rat) Acute 1 hour
Hydrogen Peroxide 7722-84-1	= 1193 mg/kg	= 2000 mg/kg	-
Phosphoric Acid 7664-38-2	= 1530 mg/kg (Rat)	= 2730 mg/kg (Rabbit)	> 850 mg/m <sup>3</sup> (Rat) 1 h

**12. Ecological Information**

**ECOTOXICITY:**

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to Microorganisms	Crustacea
Dodecylbenzenesulfonic Acid 68584-22-5	= 47.3 mg/L (72 hr) Algae	= 1.67 mg/L (96 hr)	-	= 2.4 mg/L (48 hr) Daphnia
Alcohols, C6-C12, ethoxylated 68439-45-2	-	-	-	= 9.2 mg/L (48 hr) Daphnia Magna
Hydrogen Peroxide 7722-84-1		16.4 mg/L (fathead minnow 96 hr)	-	2.4 mg/L (Daphnia 48 hr)
Phosphoric Acid 7664-38-2	-	3 - 3.5: 96 h Gambusia affinis mg/L LC50	-	4.6: 12 h Daphnia magna mg/L EC50

**PERSISTENCE AND DEGRADABILITY:**

Not determined.

**BIOACCUMULATIVE POTENTIAL:**

Not determined.

**MOBILITY IN SOIL:**

Not determined.

**OTHER ADVERSE EFFECTS:**

Not determined.

**13. Disposal Consideration**

**DISPOSAL INSTRUCTIONS:**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**CONTAMINATED PACKAGING:**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**CALIFORNIA HAZARDOUS WASTE STATUS:**

Phosphoric Acid 7664-38-2: Corrosive.

**14. Transportation Information****NOTE:** Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.**DOT:** Not regulated. (NOI nonhazardous)**\*Product AT USE DILUTION:**

Not intended for transport.

**15. Regulatory Information****INTERNATIONAL INVENTORIES:**

Canada – Domestic Substances List (DSL): All ingredients are listed or exempt.

TSCA (Toxic Substances Control Act): All ingredients are listed or exempt.

**LEGEND:****TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory.**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List.**US FEDERAL REGULATIONS:****CERCLA Hazardous Substance List (40 CFR 302.4):**

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Dodecylbenzenesulfonic Acid 68584-22-5	1000 lb	1000 lb	RQ 1000 lb. final RQ RQ 453 kg final RQ
Phosphoric Acid 7664-38-2	5000 lb		RQ 5000 lb final RQ RQ 2270 kg final RQ

**SARA 311/312 Hazardous Categories:** Immediate (Acute) Health, Delayed (Chronic) Health.**SARA 313 (TRI reporting):** None listed.**CWA (Clean Water Act):**

Component	CWA Reportable Quantities	CWA Toxic Pollutants	CWA Priority Pollutants	CWA Hazardous Substances
Phosphoric Acid 7664-38-2	5000 lb			X

**US STATE REGULATIONS:**

None known.

**US State Right-to-Know Regulations:**

Hydrogen Peroxide 7722-84-1: NJ, MA, PA

Phosphoric Acid 7664-38-2: MA, NJ, PA

AZ- Arizona Ambient Air Quality Guidelines

CT- Connecticut Hazardous Air Pollutants

CA- California Director's List of Hazardous Substances

CAP65- California Prop65

FL- Florida Substances List

ID- Idaho Non-Carcinogen Toxic Air Pollutants

IL- Illinois Toxic Air Contaminant- Carcinogenic

MA- Massachusetts Right to Know List

MN- Minnesota Hazardous Substances List

NJ- New Jersey Right to Know List

PA- Pennsylvania Right to Know List

RI- Rhode Island Hazardous Substances List

**FIFRA Label Information:**

This chemical is a pesticide product registered by the United States Environmental Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The pesticide label also includes other important information, including directions for use.

Danger

Corrosive

Causes irreversible eye damage and skin irritation.

This product is harmful to fish and aquatic invertebrates.

**16. Other Information****DISCLAIMER:**

To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard, which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product, which may not be covered by this SDS. The user is responsible for full compliance.