

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Oxy Orange (Concentrate)

GENERAL USE: Cleaning agent

PRODUCT DESCRIPTION: Clear liquid, citrus odor



DISTRIBUTED BY
PreVasive USA, LLC.

DATE PREPARED: June 19, 2017
SUPERSEDES: New

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ADDRESS (NUMBER, STREET, P.O. BOX)
3643 Explorer Trail

TELEPHONE NUMBER FOR INFORMATION
855.966.6772

(CITY, STATE AND ZIP CODE)
Oakwood, GA 30566

COUNTRY
USA

EMERGENCY TELEPHONE NUMBER
Chemtrec (800) 424-9300 Outside USA (703) 527-3887

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Mild liquid, prolonged contact may cause skin & eye irritation. Can cause serious or fatal complications if swallowed. Hazard Symbols for this product - Xi. Risk Phrases - R36/38

POTENTIAL HEALTH EFFECTS

INHALATION: High concentrations are irritating to the respiratory tract; may cause headache, dizziness, nausea, vomiting and malaise.

SKIN: Brief contact may cause slight irritation; prolonged contact may cause moderate irritation or dermatitis.

EYES: High vapor concentration or contact may cause irritation and discomfort.

INGESTION: May result in vomiting; aspiration of vomitus into the lungs must be avoided; DO NOT induce vomiting. Harmful or fatal if swallowed.

CARCINOGENICITY NTP? No IARC MONOGRAPHS? No OSHA REGULATED? No

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS #	EINECS #	%	OSHA PEL		ACGIH TWA		RQ
				(by weight)	PPM	MG/M3	PPM	
d-Limonene, Technical grade	5989-27-5	227-813-5	5 - 10					not established
Hydrogen peroxide 20->40 %	7722-84-1	231-765-0	7 - 13	1		1.4		

The remaining components of this product are non-hazardous or are in small enough quantities as to not meet regulatory thresholds for disclosure. These components contain no substances or impurities which would influence the classification of this product.

PRODUCT NAME: Oxy Orange
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SECTION 4 - FIRST AID MEASURES

INHALATION: Remove affected person to fresh air; provide oxygen if breathing is difficult; if affected person is not breathing, administer CPR and seek emergency medical attention.

SKIN: Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.

EYES: Check for and remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.

INGESTION: DO NOT induce vomiting; if vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs; seek immediate medical attention. Vomiting may be induced only under the supervision of a physician.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT (METHOD USED) Non-flammable	FLAMMABLE LIMITS AUTOIGNITION TEMPERATURE: Not determined	LEL: Not applicable	UEL: Not applicable
GENERAL HAZARDS: Product is irritating to skin, eyes and respiratory tract. Products of combustion include compounds of carbon, hydrogen and oxygen, including carbon monoxide.		NFPA CLASS:	None

EXTINGUISHING MEDIA
Carbon dioxide, water, water fog, dry chemical, chemical foam.

FIRE FIGHTING PROCEDURES
Keep containers cool with water spray to prevent container rupture due to steam buildup; contact with material may cause irritation to skin, eyes and respiratory tract.

UNUSUAL FIRE AND EXPLOSION HAZARDS
None

HAZARDOUS COMBUSTION PRODUCTS
Smoke, fumes or vapors, oxides of carbon.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Small spills - wash to sanitary sewer with plenty of water. Large spills - confine spill, soak up with approved absorbent, shovel product into approved container for disposal. Wash area with plenty of water. Do not discharge into lakes, ponds, streams or public waters.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. Keep this and other chemicals out of reach of children.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS

The use of local exhaust ventilation is recommended. No other special controls are indicated.

PERSONAL PROTECTION:

RESPIRATORY PROTECTION: None required; however, if misting occurs, NIOSH approved respirator capable of removing particulate from air must be worn. Refer to 29 CFR 1910.134, ANSI Z88.2, or European Standard EN 149 for complete regulations.

PROTECTIVE GLOVES: Neoprene, butyl or nitrile rubber gloves with cuffs.

EYE PROTECTION: Chemical splash goggles. Refer to 29 CFR 1910.133, ANSI Z87.1, or European Standard EN166.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Safety eyewash station nearby.

WORK / HYGIENIC PRACTICES: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

MATERIAL SAFETY DATA SHEET					
PRODUCT NAME: Oxy Orange June 19, 2017			Page 3 of 4		
SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES					
APPEARANCE AND ODOR Clear liquid, citrus odor		VAPOR DENSITY (AIR = 1) > 1			
SPECIFIC GRAVITY (WATER = 1) 1.005		EVAPORATION RATE (Water = 1) > 1			
SOLUBILITY IN WATER Complete		% VOLATILE (BY WEIGHT) 92.60%			
pH 7.0 - 7.5		VAPOR PRESSURE 17 mm Hg @ 20° C			
BOILING POINT 212° F (100° C)		FREEZING POINT 32° F (0° C)			
VISCOSITY Like that of water		VOLATILE ORGANIC COMPOUNDS (VOC's) None			
SECTION 10 - STABILITY AND REACTIVITY					
STABILITY UNSTABLE: STABLE: X		CONDITIONS TO AVOID: Extreme temperatures.			
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, strong acids.					
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes or vapors, and smoke may be produced.					
HAZARDOUS POLYMERIZATION MAY OCCUR: WILL NOT OCCUR: X		CONDITIONS TO AVOID: None			
SECTION 11 - TOXICOLOGICAL INFORMATION					
Hazardous Ingredients		CAS #	EINECS #	LD50 of Ingredient Species and Route	LC50 of Ingredient Species
d-Limonene, Technical grade		5989-27-5	227-813-5	> 5000 mg / kg Oral - rat	Not established
Hydrogen peroxide 20->40 %		7722-84-1	231-765-0	1,193 mg / kg Oral - rat	> 0.17 mg / l Inhalation - rat (50%)
SECTION 12 - ECOLOGICAL INFORMATION					
No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant.					
SECTION 13 - DISPOSAL CONSIDERATIONS					
WASTE DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations; do not discharge into lakes, ponds, streams or public waters. Product is classified as non - hazardous, however, non-hazardous materials may become hazardous waste upon contact with other products. Refer to 40 CFR 260 - 299 for complete waste disposal regulations. Consult your local, state, or federal agency before disposing of any chemicals.					
SECTION 14 - TRANSPORT INFORMATION					
PROPER SHIPPING NAME: Non - Hazardous for Transport					
DOT HAZARD CLASS / Pack Group: Not regulated		IATA HAZARD CLASS / Pack Group: Not regulated			
REFERENCE: Not Applicable		IMDG HAZARD CLASS: Not regulated			
UN / NA IDENTIFICATION NUMBER: None		RID/ADR Dangerous Goods Code: Not regulated			
LABEL: None Required		UN TDG Class / Pack Group: Not regulated			
HAZARD SYMBOLS: None		Hazard Identification Number (HIN): None			
Note: Transportation information provided is for reference only. Customer is urged to consult 49 CFR 100 - 177, IMDG, IATA, EC, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.					

MATERIAL SAFETY DATA SHEET		
PRODUCT NAME: Oxy Orange June 19, 2017		Page 4 of 4
SECTION 15 - REGULATORY INFORMATION		
TSCA (Toxic Substance Control Act) All components of this product are listed on the U.S. Toxic Substances Control Act Chemical Inventory (TSCA Inventory) or are exempted from listing because a Low Volume Exemption has been granted in accordance with 40 CFR 723.50.		
SARA TITLE III (Superfund Amendments and Reauthorization Act) 311/312 Hazard Categories Immediate health 313 Reportable Ingredients: None		
CERCLA (Comprehensive Response Compensation and Liability Act) None		
California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986 There are no reportable chemicals present known to the state of California to cause cancer or reproductive toxicity.		
CPR (Canadian Controlled Products Regulations) This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. WHMIS Classification: D2B		
IDL (Canadian Ingredient Disclosure List) Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 3.		
DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List) Components of this product identified by CAS number are listed on the DSL or NDSL, or are otherwise in compliance with the New Substances Notification (NSN) regulations. Only ingredients classified as "hazardous" are listed in Section 3 unless otherwise indicated.		
EINECS (European Inventory of Existing Commercial Chemical Substances) Components of this product identified by CAS numbers are on the European Inventory of Existing Commercial Chemical Substances.		
WGK Water Quality Index: 1		VbK Index: Not applicable
Risk Phrases R36/38 Irritating to eyes and skin.	SYMBOL(S) REQUIRED FOR LABEL Irritant 	Safety Phrases S2 Keep out of the reach of children. S24/25 Avoid contact with skin and eyes.
SECTION 16 - OTHER INFORMATION		
Specific toxicity tests have not been conducted on this product. Our hazard evaluation is based on information from similar products, the ingredients, technical literature, and/or professional experience.		
HMIS HAZARD RATINGS		
HEALTH	1	* = Chronic Health Hazard
FLAMMABILITY	0	0 = INSIGNIFICANT
PHYSICAL HAZARD	0	1 = SLIGHT
PERSONAL PROTECTIVE EQUIPMENT	B	Safety Glasses, Gloves
REVISION SUMMARY: This MSDS has been revised in the following sections: No changes noted		MSDS Prepared by: PreVasive USA, LLC. P.O. Box 1391 Dacula, GA 30566 USA (855) 966 - 6772
The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.		

MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Oxy Orange (Ready to Use)

GENERAL USE: Cleaning agent

PRODUCT DESCRIPTION: Clear liquid, citrus odor



DISTRIBUTED BY PreVasive USA, LLC.		DATE PREPARED: June 19, 2017	Page 1 of 4
ADDRESS (NUMBER, STREET, P.O. BOX) 3643 Explorer Trail		TELEPHONE NUMBER FOR INFORMATION 855.966.6772	
(CITY, STATE AND ZIP CODE) Oakwood, GA 30566	COUNTRY USA	EMERGENCY TELEPHONE NUMBER Chemtrec (800) 424-9300 Outside USA (703) 527-3887	

SECTION 2 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Mild liquid, prolonged contact may cause skin & eye irritation. Can cause serious or fatal complications if swallowed. Hazard Symbols for this product - Xi. Risk Phrases - R36/38

POTENTIAL HEALTH EFFECTS

INHALATION: High concentrations are irritating to the respiratory tract; may cause headache, dizziness, nausea, vomiting and malaise.

SKIN: Brief contact may cause slight irritation; prolonged contact may cause moderate irritation or dermatitis.

EYES: High vapor concentration or contact may cause irritation and discomfort.

INGESTION: May result in vomiting; aspiration of vomitus into the lungs must be avoided; DO NOT induce vomiting. Harmful or fatal if swallowed.

CARCINOGENICITY NTP? No IARC MONOGRAPHS? No OSHA REGULATED? No

SECTION 3 - COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	CAS #	EINECS #	%	OSHA PEL		ACGIH TWA		RQ
				(by weight)	PPM	MG/M3	PPM	
d-Limonene, Technical grade	5989-27-5	227-813-5	1 - 3				not established	
Hydrogen peroxide 20->40 %	7722-84-1	231-765-0	2 - 5	1			1.4	

The remaining components of this product are non-hazardous or are in small enough quantities as to not meet regulatory thresholds for disclosure. These components contain no substances or impurities which would influence the classification of this product.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Oxy Orange
June 19, 2017

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SECTION 4 - FIRST AID MEASURES

INHALATION: Remove affected person to fresh air; provide oxygen if breathing is difficult; if affected person is not breathing, administer CPR and seek emergency medical attention.

SKIN: Remove contaminated clothing; wash affected area with soap and water; launder contaminated clothing before reuse; if irritation persists, seek medical attention.

EYES: Check for and remove contact lenses. Flush eyes with clear running water for 15 minutes while holding eyelids open; if irritation persists, seek medical attention.

INGESTION: DO NOT induce vomiting; if vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into lungs; seek immediate medical attention. Vomiting may be induced only under the supervision of a physician.

SECTION 5 - FIRE FIGHTING MEASURES

FLASH POINT (METHOD USED) Non-flammable	FLAMMABLE LIMITS AUTOIGNITION TEMPERATURE: Not determined	LEL: Not applicable	UEL: Not applicable
GENERAL HAZARDS: Product is irritating to skin, eyes and respiratory tract. Products of combustion include compounds of carbon, hydrogen and oxygen, including carbon monoxide.			

EXTINGUISHING MEDIA
Carbon dioxide, water, water fog, dry chemical, chemical foam.

FIRE FIGHTING PROCEDURES
Keep containers cool with water spray to prevent container rupture due to steam buildup; contact with material may cause irritation to skin, eyes and respiratory tract.

UNUSUAL FIRE AND EXPLOSION HAZARDS
None

HAZARDOUS COMBUSTION PRODUCTS
Smoke, fumes or vapors, oxides of carbon.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Small spills - wash to sanitary sewer with plenty of water. Large spills - confine spill, soak up with approved absorbent, shovel product into approved container for disposal. Wash area with plenty of water. Do not discharge into lakes, ponds, streams or public waters.

SECTION 7 - HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Keep container closed when not in use; protect containers from abuse; protect from extreme temperatures. Keep this and other chemicals out of reach of children.

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS

The use of local exhaust ventilation is recommended. No other special controls are indicated.

PERSONAL PROTECTION:

RESPIRATORY PROTECTION: None required; however, if misting occurs, NIOSH approved respirator capable of removing particulate from air must be worn. Refer to 29 CFR 1910.134, ANSI Z88.2, or European Standard EN 149 for complete regulations.

PROTECTIVE GLOVES: Neoprene, butyl or nitrile rubber gloves with cuffs.

EYE PROTECTION: Chemical splash goggles. Refer to 29 CFR 1910.133, ANSI Z87.1, or European Standard EN166.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Safety eyewash station nearby.

WORK / HYGIENIC PRACTICES: Practice safe workplace habits. Minimize body contact with this, as well as all chemicals in general.

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SPECIFIC GRAVITY (WATER = 1) 1.005	EVAPORATION RATE (Water = 1) > 1			
SOLUBILITY IN WATER Complete	% VOLATILE (BY WEIGHT) 92.60%			
pH 7.0 - 7.5	VAPOR PRESSURE 17 mm Hg @ 20° C			
BOILING POINT 212° F (100° C)	FREEZING POINT 32° F (0° C)			
VISCOSITY Like that of water	VOLATILE ORGANIC COMPOUNDS (VOC's) None			
SECTION 10 - STABILITY AND REACTIVITY				
STABILITY	UNSTABLE: STABLE: X	CONDITIONS TO AVOID: Extreme temperatures.		
INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers, strong acids.				
HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Decomposition will not occur if handled and stored properly. In case of a fire, oxides of carbon, hydrocarbons, fumes or vapors, and smoke may be produced.				
HAZARDOUS POLYMERIZATION	MAY OCCUR: WILL NOT OCCUR: X	CONDITIONS TO AVOID: None		
SECTION 11 - TOXICOLOGICAL INFORMATION				
Hazardous Ingredients	CAS #	EINECS #	LD50 of Ingredient Species and Route	LC50 of Ingredient Species
d-Limonene, Technical grade	5989-27-5	227-813-5	> 5000 mg / kg Oral - rat	Not established
Hydrogen peroxide 20->40 %	7722-84-1	231-765-0	1,193 mg / kg Oral - rat	> 0.17 mg / l Inhalation - rat (50%)
SECTION 12 - ECOLOGICAL INFORMATION				
No data are available on the adverse effects of this material on the environment. Neither COD nor BOD data are available. Based on the chemical composition of this product it is assumed that the mixture can be treated in an acclimatized biological waste treatment plant system in limited quantities. However, such treatment should be evaluated and approved for each specific biological system. None of the ingredients in this mixture are classified as a Marine Pollutant.				
SECTION 13 - DISPOSAL CONSIDERATIONS				
WASTE DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations; do not discharge into lakes, ponds, streams or public waters. Product is classified as non - hazardous, however, non-hazardous materials may become hazardous waste upon contact with other products. Refer to 40 CFR 260 - 299 for complete waste disposal regulations. Consult your local, state, or federal agency before disposing of any chemicals.				
SECTION 14 - TRANSPORT INFORMATION				
PROPER SHIPPING NAME: Non - Hazardous for Transport				
DOT HAZARD CLASS / Pack Group: Not regulated		IATA HAZARD CLASS / Pack Group: Not regulated		
REFERENCE: Not Applicable		IMDG HAZARD CLASS: Not regulated		
UN / NA IDENTIFICATION NUMBER: None		RID/ADR Dangerous Goods Code: Not regulated		
LABEL: None Required		UN TDG Class / Pack Group: Not regulated		
HAZARD SYMBOLS: None		Hazard Identification Number (HIN): None		
Note: Transportation information provided is for reference only. Customer is urged to consult 49 CFR 100 - 177, IMDG, IATA, EC, United Nations TDG, and WHMIS (Canada) TDG information manuals for detailed regulations and exceptions covering specific container sizes, packaging materials and methods of shipping.				

MATERIAL SAFETY DATA SHEET		
PRODUCT NAME: Oxy Orange June 19, 2017		Page 4 of 4
SECTION 15 - REGULATORY INFORMATION		
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SARA TITLE III (Superfund Amendments and Reauthorization Act) 311/312 Hazard Categories Immediate health 313 Reportable Ingredients: None		
CERCLA (Comprehensive Response Compensation and Liability Act) None		
California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986 There are no reportable chemicals present known to the state of California to cause cancer or reproductive toxicity.		
CPR (Canadian Controlled Products Regulations) This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. WHMIS Classification: D2B		
IDL (Canadian Ingredient Disclosure List) Components of this product identified by CAS number and listed on the Canadian Ingredient Disclosure List are shown in Section 3.		
DSL / NDSL (Canadian Domestic Substances List / Non-Domestic Substances List) Components of this product identified by CAS number are listed on the DSL or NDSL, or are otherwise in compliance with the New Substances Notification (NSN) regulations. Only ingredients classified as "hazardous" are listed in Section 3 unless otherwise indicated.		
EINECS (European Inventory of Existing Commercial Chemical Substances) Components of this product identified by CAS numbers are on the European Inventory of Existing Commercial Chemical Substances.		
WGK Water Quality Index: 1	VbK Index: Not applicable	
Risk Phrases R36/38 Irritating to eyes and skin.	SYMBOL(S) REQUIRED FOR LABEL Irritant 	Safety Phrases S2 Keep out of the reach of children. S24/25 Avoid contact with skin and eyes.
SECTION 16 - OTHER INFORMATION		
Specific toxicity tests have not been conducted on this product. Our hazard evaluation is based on information from similar products, the ingredients, technical literature, and/or professional experience.		
HMIS HAZARD RATINGS	HEALTH 1 * = Chronic Health Hazard	2 = MODERATE
	FLAMMABILITY 0	0 = INSIGNIFICANT
	PHYSICAL HAZARD 0	1 = SLIGHT
		4 = EXTREME
	PERSONAL PROTECTIVE EQUIPMENT B	Safety Glasses, Gloves
REVISION SUMMARY: This MSDS has been revised in the following sections: No changes noted	MSDS Prepared by: PreVasive USA, LLC. P.O. Box 1391 Dacula, GA 30566 USA (855) 966 - 6772	
The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in Section 1.		