

MATERIAL SAFETY DATA SHEET

FILE NO.:
MSDS DATE: 09/01/15

ZERO ODOR[®] PRO

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Zero Odor PRO
SYNONYMS: N/A
PRODUCT CODES:

MANUFACTURER/SUPPLIER: Zero Odor LLC
ADDRESS: 499 Bantam Rd, Litchfield, CT 06759
860-567-3550

EMERGENCY PHONE: 800-255-3924 (Chem-Tel 24 hrs) International: +01-813-248-0585
OTHER CALLS: 859-951-3000
FAX: 859-951-3254

CHEMICAL NAME: Proprietary water based formula
CHEMICAL FAMILY: N/A
CHEMICAL FORMULA: N/A

PRODUCT USE: Odor control applications
PREPARED BY:

SECTION 1 NOTES:

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT: Tert-Butyl Alcohol

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313REPORTABLE</u>
75-65-0	0.25-0.50		N/A
	<u>ppm</u>	<u>mg/m3</u>	
OSHA PEL:	100		
OSHA PEL STEL :	150		
OSHA PEL CEILING:			
ACGIH TLV:	100		
ACGIH TLV STEL:	150		

SECTION 2 NOTES:

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

ROUTES OF ENTRY: Skin, eyes, ingestion, inhalation

POTENTIAL HEALTH EFFECTS
EYES: irritation is possible.

SKIN: irritation is possible

INGESTION: mild gastrointestinal irritation with nausea, vomiting and/or diarrhea is possible

INHALATION: None known

ACUTE HEALTH HAZARDS: Although not expected, this product may cause mild skin and/or eye irritation. If ingested, mild gastrointestinal irritation with nausea, vomiting and/or diarrhea are possible. There are no known effects of acute exposure by inhalation.

CHRONIC HEALTH HAZARDS: None known

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known

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CARCINOGENICITY

OSHA: N/A

ACGIH: N/A

NTP: N/A

IARC: N/A

OTHER:

SECTION 3 NOTES:

SECTION 4: FIRST AID MEASURES

EYES: If victim is wearing contact lenses, remove them and immediately flush eyes with water for at least 15 minutes.

SKIN: Rinse affected areas with soap and water.

INGESTION: Dilute with fluids such as water and treat symptomatically.

INHALATION: Remove victim from affected area and to fresh air.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:

SECTION 4 NOTES: KEEP OUT OF REACH OF CHILDREN. Do not spray directly towards face.

SECTION 5: FIRE-FIGHTING MEASURES

FLAMMABLE LIMITS IN AIR, UPPER: N/A
(% BY VOLUME) **LOWER:** N/A

FLASH POINT: water based, non-flammable product

F: N/A

C: N/A

METHOD USED:

AUTOIGNITION TEMPERATURE: N/A

F:

C:

NFPA HAZARD CLASSIFICATION

HEALTH: 1

FLAMMABILITY: 0

REACTIVITY: 1

OTHER:

HMIS HAZARD CLASSIFICATION

HEALTH: 1

FLAMMABILITY: 0

REACTIVITY: 1

PROTECTION:

EXTINGUISHING MEDIA: CO₂, dry chemical or water. This product is non-flammable.

SPECIAL FIRE FIGHTING PROCEDURES: Wear full protective equipment (eye, body, respiratory).

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known

HAZARDOUS DECOMPOSITION PRODUCTS: None known

SECTION 5 NOTES:

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Dilute product and wash away spill by spraying area with plenty of water. When spraying area with water, avoid spraying in the direction of any person(s). Avoid getting on clothing.

SECTION 6 NOTES:

SECTION 7: HANDLING AND STORAGE

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HANDLING AND STORAGE: This product is stable at ambient temperatures. Store product at room temperature.

OTHER PRECAUTIONS: Keep product stored away from direct sunlight or excessive heat.

SECTION 7 NOTES:

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: None required.

VENTILATION : Although not required, it is advisable to handle product in well ventilated areas.

RESPIRATORY PROTECTION: None required.

EYE PROTECTION: None required for casual/consumer scale use. When handling product on commercial scale, safety glasses or goggles should be utilized.

SKIN PROTECTION: No special skin protection is required for consumer scale use. Basic PPE should be utilized when product is handled on commercial scale.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Should be evaluated depending on conditions of use.

WORK HYGIENIC PRACTICES: Keep product away from eye & skin contact.

EXPOSURE GUIDELINES: Do not get in eyes or on skin or clothing. Do not take internally. Do not reuse containers. Do not mix with any foreign materials.

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: clear, colorless liquid

ODOR: characteristic

PHYSICAL STATE: liquid

pH AS SUPPLIED: 8-10

pH (Other):

BOILING POINT:

F: ~212

C:

MELTING POINT: Not applicable

F:

C:

SPECIFIC GRAVITY (H₂O = 1): 1

@ 20 deg C

SOLUBILITY IN WATER: completely soluble in water

PERCENT VOLATILE: 0.50% or less by weight

VOLATILE ORGANIC COMPOUNDS (VOC): Tert-Butyl alcohol

MOLECULAR WEIGHT: N/A (blended formula)

SECTION 9 NOTES:

SECTION 10: STABILITY AND REACTIVITY

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STABILITY: This product is stable at ambient temperatures. Store at room temperature.

CONDITIONS TO AVOID (STABILITY): Avoid contact of this product with strong bases and strong acids. The active ingredients in this product react with ammonia. Stability in or with other products must be tested on an individual basis.

INCOMPATIBILITY (MATERIAL TO AVOID): strong acids & bases

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None known

HAZARDOUS POLYMERIZATION: None known

CONDITIONS TO AVOID (POLYMERIZATION): N/A

SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: This product is non-toxic and non-hazardous.

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: None available.

SECTION 12 NOTES:

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Disposal must comply with all federal, state, and local regulations. Small quantities may be carefully disposed of down sewer drain using plenty of water.

RCRA HAZARD CLASS: N/A

SECTION 13 NOTES:

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION – NOT REGULATED

PROPER SHIPPING NAME: N/A

HAZARD CLASS: None

ID NUMBER: None

PACKING GROUP: None

LABEL STATEMENTS: N/A

WATER TRANSPORTATION – NOT REGULATED

PROPER SHIPPING NAME: None

HAZARD CLASS: None

ID NUMBER: None

PACKING GROUP: None

LABEL STATEMENTS: N/A

AIR TRANSPORTATION – NOT REGULATED

PROPER SHIPPING NAME: None

HAZARD CLASS: None

ID NUMBER: None

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PACKING GROUP: None
LABEL STATEMENTS: N/A

OTHER AGENCIES:

SECTION 14 NOTES:

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): Listed

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): N/A

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): N/A

311/312 HAZARD CATEGORIES: N/A

313 REPORTABLE INGREDIENTS: N/A

STATE REGULATIONS: Contains no ingredients listed under California Prop 65. Compliant with California VOC consumer product standards.

INTERNATIONAL REGULATIONS: No information available.

SECTION 15 NOTES:

SECTION 16: OTHER INFORMATION

OTHER INFORMATION:

PREPARATION INFORMATION:

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