



SAFETY DATA SHEET

Product: : MARC 107-XL ROOM SERVICE XL HOSPITAL DISINFECTANT
Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 107-XL ROOM SERVICE XL HOSPITAL DISINFECTANT**

SDS DATE: 01/13/2021

SUPPLIER: Mid-American Research Chemical Corp. ADDRESS: P. O. Box 927 • Columbus, NE 68602-0927
PHONE: 402-564-7104 FAX: 402-563-1290
EMERGENCY PHONE: InfoTrac 1-800-535-5053
E-MAIL: marc1@marc1.com WEBSITE: www.marc1.com

RECOMMENDED USE: Disinfectant.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Flammable aerosol-category 2; Liquefied gas; Eye irritant-category 2A; Specific Target Organ Toxicity (Single Exposure): Category 3. **SIGNAL WORD:** Warning.

HAZARD STATEMENT(S): Flammable aerosol. Contains gas under pressure; may explode if heated.

Causes serious eye irritation. May cause respiratory irritation, drowsiness, or dizziness. This product

contains the following percentage of chemicals of unknown toxicity: 0%. **PRECAUTIONARY STATEMENTS:** Keep away from heat, sparks, open flames, and hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50C/122F. Store in a well-ventilated place. Wash hands thoroughly after handling. Wear eye protection. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. If inhaled: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell. Dispose of contents/container in accordance with local, state, and federal law.



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>PERCENT</u>
Propane	74-98-6	5% - 15%
n-Butane	106-97-8	5% - 15%
Ethyl Alcohol	64-17-5	40% - 70%
2-Phenylphenol	90-43-7	0.1%-1.0%
Specific percentages claimed as a trade secret.		

SECTION 4: FIRST AID MEASURES

EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice or attention. **INGESTION:** Do not induce vomiting. Seek medical attention. **INHALATION:** Move to fresh air. If breathing is difficult, administer oxygen. If not breathing administer artificial respiration or at any sign of loss of consciousness seek immediate medical attention. **SKIN:** Wash thoroughly with soap and water for 15 minutes. Seek medical attention if irritation develops. **ACUTE HEALTH HAZARDS:** Eyes: redness, tearing, blurred vision. **CHRONIC HEALTH HAZARDS:** None known. **NOTE TO PHYSICIAN:** There is no specific treatment regimen. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Carbon dioxide, standard chemical fire extinguisher, and water fog. **UNSUITABLE EXTINGUISHING MEDIA:** N/A. **SPECIAL FIRE FIGHTING PROCEDURES:** Wear NIOSH approved Self Contained Breathing Apparatus with a full face piece operated in a positive pressure demand mode with full body protective clothing when fighting fires. Avoid contact with skin and breathing smoke, fumes, and decomposition products. Cool fire exposed containers with water fog to prevent bursting. **UNUSUAL FIRE AND EXPLOSION HAZARDS:** Flammable Contents under pressure. Exposure to temperatures above 120 F may cause bursting. Keep away from heat, sparks, open flames and other sources of ignition. Contains flammable propellant. **HAZARDOUS COMBUSTION PRODUCTS:** None known.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PROTECTIVE EQUIPMENT: Refer to section VIII for proper Personal Protective Equipment. **SPILL:** Absorb with non-combustible material like vermiculite, sand or earth and rinse with small amount of soapy water. Do not allow to drain into sewers or storm drains. Dispose of in accordance with local, state and federal regulations. **WASTE DISPOSAL:** Dispose of in accordance with federal, state, and local regulations. Do not reuse, puncture, or incinerate container. Wrap container and place in trash collection. **RCRA STATUS:** Product should be fully characterized prior to disposal (40 CFR 261).



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SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Store in a cool, dry area. Do not use or store near heat or open flames. Exposure to temperatures above 120°F may cause bursting. **OTHER PRECAUTIONS:** Keep out of the reach of children. **INCOMPATIBILITY:** Strong alkalis, oxidizers, bases, reactive metals and natural rubber.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

HAZARDOUS INGREDIENT	OSHA PEL	ACGIH TLV
Propane	1000 ppm	1000 ppm
n-Butane	1000 ppm	1000 ppm
Ethyl Alcohol	1000 ppm	1000 ppm
2-Phenylphenol	Not Established	1 mg/m ³

ENGINEERING CONTROLS / VENTILATION: General ventilation and local exhaust should be adequate. **RESPIRATORY PROTECTION:** Wear NIOSH/MSHA approved respiratory protection if used in confined, poorly ventilated areas. **PERSONAL PROTECTIVE EQUIPMENT:** Safety glasses and chemical resistant gloves. **ADDITIONAL MEASURES:** Wash hands and clothing in contact with product after use. and hygienic measures.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Aerosol
COLOR: Clear, colorless spray
ODOR: Citrus-Orange
ODOR THRESHOLD: N/D
pH: 6.9 – 7.7
FREEZING POINT: N/D
BOILING POINT: >170°F
FLASH POINT/METHOD USED: N/D
EVAPORATION RATE: 1
FLAMMABILITY: Flammable Aerosol.
FLAMMABILITY LIMITS IN AIR: **UPPER:** N/D **LOWER:** N/D
VAPOR PRESSURE (mmHg): 44 @ 77°F (25°C)
VAPOR DENSITY (AIR = 1): >1 @ 77°F (25°C)
SPECIFIC GRAVITY (H₂O = 1): 0.86 – 0.89 @ 77°F (25°C)
SOLUBILITY IN WATER: 100%
PARTITION COEFF. - n-OCTANOL/WATER: N/D
AUTO-IGNITION TEMPERATURE: N/D
DIELECTRIC STRENGTH (Volts): N/A
DECOMPOSITION TEMPERATURE: N/D
VISCOSITY: N/D
VOLATILE ORGANIC COMPOUNDS (VOC): 69.4%

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: None known. **CHEMICAL STABILITY:** Stable. **CONDITIONS TO AVOID:** Temperatures above 122°F may cause bursting. **INCOMPATIBILITY (MATERIAL TO AVOID):** Strong oxidizing agents. **HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Oxides of carbon. **HAZARDOUS POLYMERIZATION:** None known. **CONDITIONS TO AVOID (POLYMERIZATION):** N/A.

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Ethyl Alcohol (64-17-5) - LC50 (Inhalation, Rat, 4hr) 133.6 mg/L; LD50 (Oral, Rat) >8311 mg/kg; LD50 (Dermal, Rabbit) 16972.5 mg/kg. 2-Phenylphenol (90-43-7)- LD50 (Oral, Rat) 2700 mg/kg, (Dermal, Rabbit) >5000 mg/kg.
ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin. **EYES:** Causes severe irritation, redness, tearing. **INGESTION:** Causes gastrointestinal irritation, nausea, vomiting. **INHALATION:** Acute exposure may cause nausea, vomiting, coughing and pulmonary irritation. **SKIN:** May cause mild irritation with prolonged or repeated contact. **MEDICAL CONDITION AGGRAVATED:** Pre-existing disorders of the skin, respiratory system, and eyes will be aggravated by overexposure. **A CUTHE HEALTH HAZARDS:** Eyes: redness, tearing, blurred vision **CHRONIC HEALTH HAZARDS:** None known. **CARCINOGENICITY--** OSHA: No; ACGIH: No; NTP: No; IARC: No; OTHER: N/A.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY: Ethyl Alcohol (64-17-5) LC50 - (Fish, 96hr) 12,900-15,300 mg/L; LC50 (Bacteria, 24hr) 11,200 mg/L; EC50 (Bacteria, 5-30 min) 34,900 mg/L. 2-Phenylphenol (90-43-7) - LC50 (Rainbow Trout, 96hr) 4.0 mg/L, LC50 (Daphnia magna, 48hr) 2.0 mg/L



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PERSISTENCE AND DEGRADABILITY: Component or components of this product are not biodegradable. **BIOACCUMULATIVE POTENTIAL:** This product is not expected to bioaccumulate. **MOBILITY IN SOIL:** This product is mobile in soil. **OTHER ADVERSE EFFECTS:** None known.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Dispose of in accordance with federal, state, and local regulations. Do not reuse, puncture, or incinerate container. Wrap container and place in trash collection. **RCRA STATUS:** Product should be fully characterized prior to disposal (40 CFR 261).

SECTION 14: TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (for ground/non-bulk containers)

CONTAINER SIZES(S): Aerosol Can
PROPER SHIPPING NAME: Deodorants or Disinfectants.
HAZARD CLASS: N/A
ID NUMBER: N/A
PACKING GROUP: N/A
LABEL STATEMENT: LTD QTY

SECTION 15: REGULATORY INFORMATION

TSCA STATUS: All Chemicals are listed or exempt.

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Fire Hazard.

SARA 311/312 HAZARD CATEGORIES: Ethyl Alcohol (64-17-5) Acute Health, Chronic Health, Fire.

SARA 313 REPORTABLE INGREDIENTS: Ethyl Alcohol (64-17-5) acute, chronic, flammable.

CLEAN WATER ACT: None.

CALIFORNIA PROPOSITION 65-- 2-Phenylphenol Warning: This product contains a chemical(s) known to the State of California to cause cancer.

INTERNATIONAL REGULATIONS: All components are listed or exempted.

This chemical is a pesticide product registered by the Environmental Protection 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, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label: Warning: Causes substantial but temporary eye injury. Harmful if absorbed through skin. Do not get in eyes or on skin or clothing. Wear long-sleeved shirt and long pants, protective eyewear (safety glasses), shoes and socks, and chemical resistant gloves (such as or made out of any water proof material). Wash hands thoroughly with soap and water before eating, drinking, chewing gum, using tobacco or using the toilet. Remove contaminated clothing and wash clothing. Flammable. Contents under pressure. Keep away from heat, sparks, pilot lights, and flames. Do not puncture or incinerate container. Exposure to temperatures above 130°F (54°C) may cause bursting. EPA Reg. No. 44446-67-12204.

SECTION 16: OTHER INFORMATION

HMIS/NFPA Ratings: Health = 1; Flammability = 3; Reactivity = 1; Other = N/A; Protection = A.

N/A = Not Applicable; **N/D** = Not Determined.

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.