



SAFETY DATA SHEET

Product:

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

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

SDS DATE: 10/31/18

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: marc@marc1.com WEBSITE: www.marc1.com

RECOMMENDED USE: An excellent broad-spectrum disinfectant, antimicrobial agent and two-way deodorizer. Use in medical facilities including hospitals, ambulances, nursing home, medical & dental offices. May also be used in industrial, institutional and commercial areas.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Flammable aerosol-category 2 liquefied gas. Eye irritant-category 2A.

SIGNAL WORD AND HAZARD STATEMENTS: WARNING: FLAMMABLE AEROSOL. Contains gas under pressure; May explode if heated. Causes serious eye irritation.



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 50°C/122°F. 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.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>PERCENT</u>
Propane/N-Butane	68476-86-8	10% - 30%
Ethyl Alcohol	64-17-5	40% - 70%

This product contains the following percentage of chemicals of unknown toxicity: 0%

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush eyes with water for several minutes while holding eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice or attention.

SKIN: Wash thoroughly with soap and water for 15 minutes. Remove contaminated clothing and shoes immediately. Seek medical attention if irritation develops and persists.

INGESTION: Rinse mouth. **DO NOT INDUCE VOMITING!** Seek immediate medical attention.

INHALATION: Move person 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.

ACUTE HEALTH HAZARDS: Eye exposure causes transient pain and irritation.

CHRONIC HEALTH HAZARDS: None known.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: There is no specific treatment regime. Treatment of overexposure should be directed at the control of symptoms and the clinical condition of the patient.



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SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Carbon dioxide, standard chemical fire extinguisher, and water fog.

UNSUITABLE EXTINGUISHING MEDIA: N/A

PROTECTION OF FIREFIGHTERS: 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. Do not spray on an open flame or other ignition source.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS: See PROTECTION OF FIREFIGHTERS above and Section 8.

SECTION 6: ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES: See Methods & Cleanup.

PROTECTIVE EQUIPMENT: See Section 8.

METHODS FOR CONTAINMENT & CLEANUP: 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. Do not puncture or incinerate! If empty, place in trash or offer for recycling if available. If partly filled: call your local solid waste agency or 1-800-CLEANUP for disposal instructions.

ENVIRONMENTAL PRECAUTIONS: Do not allow to drain into sewers or storm drains.

RCRA STATUS: Product should be fully characterized prior to disposal (4- CFR 261).

SECTION 7: HANDLING AND STORAGE

GENERAL HANDLING/ STORAGE: Protect from sunlight. Store in a well ventilated place. Do not expose to temperatures exceeding 50°C/122° F. Pressurized container: Do not pierce or burn, even after use

OTHER PRECAUTIONS: **KEEP OUT OF REACH OF CHILDREN!! CAREFULLY READ ENTIRE LABEL BEFORE USE!** Do not contaminate other materials (including foods/drinks/feeds/water) during transport, use, storage, and disposal.

INCOMPATIBILITY: Strong oxidizing agents.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>HAZARDOUS INGREDIENT</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Propane/N-Butane	1000 ppm	1000 ppm
Ethyl Alcohol	1000 ppm	1000 ppm

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.



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- EYE/FACE PROTECTION:** Safety glasses are always recommended when using chemicals.
- SKIN PROTECTION/PROTECTIVE GLOVES:** Chemical resistant gloves.
- OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Wear long-sleeved shirt and long pants, shoes and socks.
- WORK HYGIENIC PRACTICES:** Wash hands and clothing in contact with product after use. Always practice good housekeeping and hygienic measures.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE-

PHYSICAL STATE:	Aerosol
COLOR:	Light yellow, clear to hazy aerosol.
ODOR:	Citrus-Orange
ODOR THRESHOLD:	N/D
pH:	7.0
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):	0.875 @ 77°F (25°C)
SOLIDS:	N/D
SOLUBILITY IN WATER:	100%
PARTITION COEFFICIENT, n-OCTANOL/WATER:	N/D
VOLATILITY INCLUDING WATER (%):	100%
VOLATILE ORGANIC COMPOUNDS (VOC):	69%
AUTO-IGNITION TEMPERATURE:	N/D
DIELECTRIC STRENGTH (Volts):	N/A
DECOMPOSITION TEMPERTAURE:	N/D
VISCOSITY:	N/D

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):** NA

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: Ethyl Alcohol (64-17-5) LC50 (Inhalation, Mouse, 4hr) 39 gr/m³; LC50 (Inhalation, Rat, 10hr) 20,000 ppm; LD50 (Oral, Mouse) 3450 mg/kg; LD50 (Oral, Rabbit) 6300 mg/kg; LD50 (Oral, Rabbit) 7060 mg/kg

ROUTES OF ENTRY: Eyes, Ingestion, Inhalation, Skin.

EYES: Causes severe irritation, redness, tearing.

SKIN: Brief contact is not irritating. May cause irritation with prolonged or repeated contact.

INGESTION: May cause gastrointestinal irritation, nausea, vomiting.

INHALATION: Acute exposure may cause nausea, vomiting, coughing and pulmonary irritation.

CHRONIC HEALTH HAZARDS: None known.



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MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Preexisting disorders of the skin, respiratory system, and eyes will be aggravated by over exposure.

ACUTE HEALTH HAZARDS: Eye exposure causes transient pain and irritation.

CHRONIC HEALTH HAZARDS: None known.

CARCINOGENICITY: **OSHA:** No **ACGIH:** No **NTP:** No **IARC:** No **OTHER:** N/A

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: 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.

BIODEGRADABILITY: Component or components of this product are not biodegradable.

BIOACCUMULATION: This product is not expected to bioaccumulate.

SOIL MOBILITY: This product is mobile in soil.

OTHER ECOLOGICAL HAZARDS: None Known.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Do not puncture or incinerate! If empty, place in trash or offer for recycling if available. If partly filled, call your local solid waste agency or 1-800-CLEANUP for disposal instructions. Dispose of in accordance with local, state and federal regulations.

RCRA STATUS: Product should be fully characterized prior to disposal (4- 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

U.S. FEDERAL REGULATIONS:

TSCA (TOXIC SUBSTANCE CONTROL ACT): All Chemicals are listed or exempt.
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): Fire hazard
311/312 HAZARD CATEGORIES: Ethyl Alcohol – 64-17-5 – acute health, chronic health, fire.
313 REPORTABLE INGREDIENTS: Ethyl Alcohol – 64-17-5 – acute, chronic, flammable.

CLEAN WATER ACT: None

INTERNATIONAL REGULATIONS: All components are listed or exempted.

SECTION 16: OTHER INFORMATION

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

REVISION DATE: 10/31/18

DISCLAIMER: While the information contained herein is believed to be correct, no warranties are made with respect thereto, and all liability from reliance thereon is disclaimed.