



SAFETY DATA SHEET

Product: MARC 196 RED CLOVER TEA DEODORIZER-METERED

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 196 RED CLOVER TEA ROOM DEODORIZER - METERED**

SDS DATE: 12/27/2021

SUPPLIER: Mid-American Research Chemical Corp.

ADDRESS: P. O. Box 927 • Columbus, NE 68602-0927

PHONE: 402-564-7104 FAX: 402-563-1290

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RECOMMENDED USE: Air deodorizer.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Specific Target Organ Toxicity-Single Exposure (Narcotic Effects) - Category 3, Eye Irritation - Category 2A, Aerosol - Category 1, Gases Under Pressure - Liquefied Gas. **Signal Word:** Danger.

Hazardous Statements - Physical: Extremely flammable aerosol. Contains gas under pressure; may explode if heated. **Hazardous Statements - Health:** May cause drowsiness or dizziness. Causes serious eye irritation. **Precautionary Statements - General:** If medical advice is needed, have product container or label at hand. Keep out of reach of children. Read label before use. **Precautionary Statements - Prevention:** Wash thoroughly after handling. Wear eye protection/face protection. Avoid breathing mist, vapors and spray. Use only outdoors or in a well-ventilated area. Keep away from heat, hot surfaces, sparks, open flame and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. **Precautionary Statements - Response:** IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. 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 advice/attention. **Precautionary Statements - Storage:** Store in a well-ventilated place. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. **Precautionary Statements - Disposal:** Dispose of contents and container in accordance with all local, regional, national and international regulations.



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CAS No.	Chemical Name	By Weight
0000067-64-1	Acetone	50% - 82%
0068476-86-8	Petroleum gases, liquefied, sweetened	17% - 28%
0054464-57-2	Ethanone, 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)-	0% - 0.2%

Specific chemical identity and/or exact percentage (concentration) of the composition has been withheld to protect confidentiality.

SECTION 4: FIRST AID MEASURES

EYES: Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention. **SKIN:** Take off immediately all contaminated clothing, shoes and leather goods (e.g., watchbands, belts). Gently blot or brush away excess product. Wash with plenty of lukewarm, gently flowing water for a duration of 15-20 minutes. Call a POISON CENTER/doctor if you feel unwell. Store contaminated clothing under water and wash before reuse or discard. **INGESTION:** Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. If vomiting occurs naturally, lie on your side, in the recovery position. Never give anything by mouth to an unconscious or convulsing victim. Keep person warm and quiet. **INHALATION:** Remove source of exposure or move person to fresh air and keep comfortable for breathing. If exposed/feel unwell/concerned: Call a POISON CENTER/doctor. Eliminate all ignition sources if safe to do so. **NOTES TO PHYSICIANS OR FIRST AID PROVIDERS:** N/A. **GENERAL ADVICE:** In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Dry chemical, foam, carbon dioxide. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam. Sand or earth may be used for small fires only. Do not direct a solid stream of water or foam into hot, burning pools. This may result in frothing and increased fire intensity. **Unsuitable Extinguishing Media:** No data available. **Specific Hazards in Case of Fire:** Contents under pressure. Keep away from ignition sources and open flames. Exposure of containers to extreme heat and flames can cause them to rupture often with violent force. Product is highly flammable and forms explosive mixtures with air, oxygen, and all oxidizing agents. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back. During a fire, irritating and highly toxic gases may be generated during combustion or decomposition. High temperatures can cause sealed containers to rupture due to a buildup of internal pressures. Cool with water. Empty Containers retain product residue which may exhibit hazards of material; therefore, do not pressurize, cut, glaze, weld or use for any other purposes. Container could potentially burst or be punctured upon mechanical impact, releasing flammable vapors. **Fire-Fighting Procedures:** Isolate immediate hazard area and keep unauthorized personnel



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out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Water may be ineffective but can be used to cool containers exposed to heat or flame. Caution should be exercised when using water or foam as frothing may occur, especially if sprayed into containers of hot, burning liquid. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. **Special Protective Actions:** Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedure: ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch or walk-through spilled material. Isolate hazard area and keep unnecessary people away. Remove all possible sources of ignition in the surrounding area. Notify authorities if any exposure to the general public or the environment occurs or is likely to occur. If spilled material is cleaned up using a regulated solvent, the resulting waste mixture may be regulated. **Recommended Equipment:** Wear liquid tight chemical protective clothing in combination with positive pressure self-contained breathing apparatus (SCBA). **Personal Precautions:** Avoid breathing vapor. Avoid contact with skin, eye or clothing. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing. **Environmental Precautions:** Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers. **Methods and Materials for Containment and Cleaning up:** Absorb liquids in vermiculite, dry sand, earth, or similar inert material and deposit in sealed containers for disposal.

SECTION 7: HANDLING AND STORAGE

General: Wash hands after use. Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Use good personal hygiene practices. Eating, drinking and smoking in work areas is prohibited. Remove contaminated clothing and protective equipment before entering eating areas. Eyewash stations and showers should be available in areas where this material is used and stored. **Ventilation Requirements:** Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source. **Storage Room Requirements:** Do not cut, drill, grind, weld, or perform similar operations on or near containers. Do not pressurize containers to empty them. Store at temperatures below 120°F.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name	OSHA TWA (mg/m ³)	OSHA TWA (ppm)	OSHA STEL (mg/m ³)	OSHA Carcinogen	OSHA Skin designation	OSHA Tables (Z1, Z2, Z3)	ACGIH TWA (mg/m ³)	ACGIH TWA (ppm)
ACETONE	2400	1000				1		250
Petroleum Gases, Liquified Sweetened	2000	500				1		

Chemical Name	NIOSH STEL (ppm)	ACGIH STEL (mg/m ³)	ACGIH STEL (ppm)	ACGIH Carcinogen	ACGIH TLV Basis	ACGIH Notations	NIOSH TWA (mg/m ³)	NIOSH TWA (ppm)
ACETONE			500	A4	URT & eye irr; CNS impair	A4; BEI	590	250
Petroleum Gases, Liq., Sw.								

(C) - Ceiling limit, A4 - Not Classifiable as a Human Carcinogen, BEI - Substances for which there is a Biological Exposure Index or Indices, CNS - Central nervous system, impair - Impairment, irr - Irritation, URT - Upper respiratory tract.

Eye Protection: Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield. **Skin Protection:** Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g., frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use of an apron and over-boots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated. **Respiratory Protection:** If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed. Check with respiratory protective equipment suppliers. When exposure levels exceed PEL/TLV, use a combination organic vapor/acid gas respirator. **Appropriate Engineering Controls:** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold.



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Density: 5.98 lb./gal
Density VOC: 1.64 lb./gal
% VOC: 24.94
Appearance: Clear, colorless
Odor Threshold: NA
Odor Description: Red clover tea
pH: NA
Water Solubility: NA
Flash Point: Below 73°F
Viscosity: NA
Lower Explosion Lvl.: 1.8
Upper Explosion Lvl.: 9.5
Evaporation Rate: Slower than ether
Melting Point: NA
Freezing Point: NA

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under normal storage and handling conditions. **Conditions to Avoid:** Avoid heat, sparks, flame, high temperature and contact with incompatible materials. **Incompatible Materials:** Avoid strong oxidizers, reducers, acids, and alkalis. **Hazardous Reactions/Polymerization:** Will not occur. **Hazardous Decomposition Products:** No data available.

SECTION 11: TOXICOLOGICAL INFORMATION

Skin Corrosion/Irritation: No data available. **Likely Route of Exposure:** Inhalation, ingestion, skin absorption. **Serious Eye Damage/Irritation:** Causes serious eye irritation. **Carcinogenicity:** No data available. **Germ Cell Mutagenicity:** No data available. **Reproductive Toxicity:** No data available. **Respiratory/Skin Sensitization:** No data available. **Specific Target Organ Toxicity - Single Exposure:** May cause drowsiness or dizziness. **Specific Target Organ Toxicity - Repeated Exposure:** No data available. **Aspiration Hazard:** No data available.

Acute Toxicity: 0000067-64-1 ACETONE--

LC50 (male rat): 30000 ppm (4-hour exposure); cited as 71000 mg/m³ (4-hour exposure)
LC50 (male mouse): 18600 ppm (4-hour exposure); cited as 44000 mg/m³ (4-hour exposure)
LD50 (oral, female rat): 5800 mg/kg (24)
LD50 (oral, mature rat): 6700 mg/kg (cited as 8.5 mL/kg) (31)
LD50 (oral, newborn rat): 1750 mg/kg (cited as 2.2 mL/kg) (31)
LD50 (oral, mouse): 3000 mg/kg (unconfirmed)
LD50 (dermal, rabbit): Greater than 16000 mg/kg cited as 20 mL/kg) (30)

Potential Health Effects – Miscellaneous 0000067-64-1 ACETONE--

The following medical conditions may be aggravated by exposure: lung disease, eye disorders, skin disorders. Overexposure may cause damage to any of the following organs/systems: blood, central nervous system, eyes, kidneys, liver, respiratory system, skin.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity: No data available. **Persistence and Degradability:** No data available. **Bio-Accumulative Potential:** No data available. **Mobility in Soil:** No data available. **Other Adverse Effects:** No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL INSTRUCTIONS: Do not puncture or incinerate cans. Dispose of in accordance with local, state and federal regulations.

SECTION 14: TRANSPORT INFORMATION

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

CONTAINER SIZES(S): Aerosol Can
PROPER SHIPPING NAME: DEODORANT OR DISINFECTANT
HAZARD CLASS: None
ID NUMBER: None
PACKING GROUP: N/A
LABEL: LIMITED QUANTITY



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SECTION 15: REGULATORY INFORMATION

CAS	Chemical Name	% By Weight	Regulation List
0000067-64-1	ACETONE	50% - 82%	CERCLA, SARA312, TSCA, RCRA, ACGIH, OSHA
0068476-86-8	Petroleum Gases, Liquefied, Sweetened	17% - 28%	SARA312, TSCA, OSHA
0054464-57-2	Ethanone, 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthalenyl)-	0% - 0.2%	SARA312, TSCA

SECTION 16: OTHER INFORMATION

HMIS/NFPA Ratings: Health = 2, Flammability = 4, Reactivity = 0, Other = none, Protection = B.

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