



SAFETY DATA SHEET

Product: MARC 119 GUM-OFF

Form R04132



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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 119 GUM-OFF**

SDS DATE: 07/05/16

SUPPLIER: Mid-American Research Chemical Corp.
 PHONE: 402-684-7104 FAX: 402-663-1280
 EMERGENCY PHONE: InfoTrac 1-800-635-5063
 E-MAIL: marc@marc1.com WEBSITE: www.marcc1.com

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

RECOMMENDED USE: Gum remover.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Aerosol - Category 1



SIGNAL WORD AND HAZARDOUS STATEMENTS - PHYSICAL: **DANGER: Extremely flammable aerosol.** Pressurized container may burst if heated.

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: Keep away from heat, hot surfaces, sparks, open flames 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: No precautionary statement available.

PRECAUTIONARY STATEMENTS - STORAGE: Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

PRECAUTIONARY STATEMENTS - DISPOSAL: No precautionary statement available.

POTENTIAL HEALTH EFFECTS: See Section 11 for more information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT	GAS NO.	PERCENT
Butane	100-97-9	31% - 95%
Propane	74-96-6	14% - 23%
Isobutane	75-28-5	13% - 24%

Specific percentages may be claimed as a trade secret.

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 or attention immediately.

SKIN: Immediately take off all contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Gently blot or brush away excess product. Wash skin with plenty of lukewarm, gently flowing water for a duration of 15-20 minutes. Call a POISON CONTROL CENTER/doctor if irritation develops and persists or if you feel unwell. Store contaminated clothing under water and wash before reuse or discard.

INGESTION: If swallowed, 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.

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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

ACUTE HEALTH HAZARDS: N/A

CHRONIC HEALTH HAZARDS: N/A

NOTES TO PHYSICIAN: N/A

SECTION 5: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Use water, fog, dry chemical, or carbon dioxide. 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.

UNUSABLE EXTINGUISHING MEDIA: Water may be ineffective but can be used to cool containers exposed to heat or flame.

SPECIAL FIRE FIGHTING PROCEDURES/EQUIPMENT:

Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear. Care should always be exercised in dust/mist areas. Isolate immediate hazard area and keep unauthorized personnel 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. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations. (See Section 13 DISPOSAL CONSIDERATIONS).

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contents under pressure. Keep away from ignition sources and open flame. Exposure of containers to extreme heat and flames can cause them to rupture often with violent force. Aerosol cans may rupture when heated. Heated cans may burst.

HAZARDOUS DECOMPOSITION PRODUCTS: In fire, will decompose to carbon dioxide, carbon monoxide.

SECTION 6: ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES: Flammable/combustible material. **ELIMINATE** all sources of ignition (no smoking, flames, sparks, or flames in immediate area). Stay upwind; keep out of low areas. Immediately turn off isolated any sources of ignition. Keep unnecessary people away; isolate hazard area and deny entry. Do not touch, walk through spilled material. Clean up immediately. Use absorbent sweeping compound to soak up material and put into suitable container for proper disposal.

PERSONAL PRECAUTIONS/PROTECTIVE EQUIPMENT:

Use personal protection recommended in Section 8. Positive pressure, full-face piece self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved). Use explosion proof equipment. Avoid breathing vapor. Avoid contact with skin, eye or clothing. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

METHODS AND MATERIALS FOR CONTAINMENT: Same as Emergency Procedures.

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.

SECTION 7: HANDLING AND STORAGE

GENERAL HANDLING:

For industrial and institutional use only. For use by trained personnel only. Keep away from children. Wash hands after use. Do not get into 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.

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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:

Keep container(s) tightly closed and properly labeled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight and incompatibles. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty container retain residue and may be dangerous.

Do not out, drill, grind, weld, or perform similar operations on or near containers. Do not pressure containers to empty or fill. Containers with air pressure transfer containers and equipment to conform to the national electrical code. Use procedures that prevent static electrical sparks. Static electricity may accumulate and create a fire hazard. Store at temperatures below 120°F.

OTHER PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY. FOR USE BY TRAINED PERSONNEL ONLY. CAREFULLY READ ENTIRE LABEL BEFORE USE!

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

APPROPRIATE ENGINEERING CONTROLS/ VENTILATION:

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.

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 Z89.2 should be followed. Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. Select a filter suitable for combined particulate/organic gases and vapors.

When spraying more than one half can continuously or more than one can consecutively, use NIOSH approved respirator.

EYE PROTECTION: Chemical goggles, safety glasses with side shields or vented/splash proof goggles. Contact lenses may absorb irritants. Contact lenses may adhere to lenses and cause corneal damage.

SKIN PROTECTION/PROTECTIVE GLOVES: Wear suitable gloves. 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. Avoid unnecessary skin contact.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Wear long sleeved shirt, long pants, and other protective clothing as required to minimize skin contact. Chemical-resistant clothing is recommended to avoid prolonged contact. Eyewash stations and showers should be available in areas where this material is used and stored.

WORK HYGIENE PRACTICES: Handle according to established industrial hygiene and safety practices. Don't eat, drink or smoke in work area. Wash hands after handling and before eating, drinking or smoking.

Chemical Name	OSHA TWA (ppm)		OSHA STEL (ppm)		OSHA Ceiling (ppm)		OSHA Short-Term Exposure Limit (ppm)		NIOSH REL (ppm)		NIOSH Ceiling (ppm)	
	1000	1800	1000	1800	1000	1800	1000	1800	1000	1800	1000	1800
BUTANE												
ISOBUTANE												
PROPANE												

Chemical Name	ACGIH TWA (ppm)		ACGIH STEL (ppm)		ACGIH Ceiling (ppm)	
	1000	1800	1000	1800	1000	1800
BUTANE						
ISOBUTANE						
PROPANE						

See Appendix A: Minimal Oxygen Content



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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

DENSITY: 4.75692 lb/gal
DENSITY VOC: 4.75674 lb/gal
%VOC: 99.9923%
VOC Actual: 4.75674 lb/gal
VOC Actual: 570.00001 g/l
VOC Actual: 4.75674 lb/gal
VOC Actual: 570.00001 g/l

APPEARANCE: N/A
COLOR/APPARANCE: Clear/transparent
SMELL: Solvent Based Aerosol
ODOR THRESHOLD: N/A
ODOR DESCRIPTION: N/A
pH: N/A
SOLUBILITY IN WATER: Nil
FLAMMABILITY: Flashpoint below 73°F
FLASH POINT: N/A
FLASH POINT: N/A
VISCOSITY: N/A
LOWER EXPLOSION LEVEL: 1
UPPER EXPLOSION LEVEL: 9.5
MELTING/FREEZING POINT: N/A
VAPOR DENSITY: Slower than ether.
LOW BOILING POINT: 0°F
HIGH BOILING POINT: 31°F

DECOMPOSITION TEMPERATURE: N/A
BOILING POINT: N/A
EVAPORATION RATE: Slower than ether.
SPECIFIC GRAVITY (H20 = 1): 0.56
VAPOR PRESSURE (mmHg): N/A
PARTITION COEFFICIENT: N/A
n-OCETANOL/WATER: N/A

SECTION 10: STABILITY AND REACTIVITY

CONDITIONS OF REACTIVITY:

STABILITY: Stable.
CONDITIONS TO AVOID: High temperatures.

INCOMPATIBILITY (MATERIAL TO AVOID): None known.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: In fire, will decompose to carbon dioxide, carbon monoxide.
HAZARDOUS POLYMERIZATION/REACTIONS: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

SERIOUS EYE DAMAGE/IRRITATION: Eye irritant. Overexposure will cause redness and burning sensation. Causes serious eye irritation.

SKIN CORROSION/IRRITATION: Skin irritant. Overexposure will cause detaching of skin.

INGESTION: Aspiration hazard. No data available.

INHALATION: Acute Toxicity. Effect of overexposure include irritation of respiratory tract, headache dizziness, nausea, and loss of coordination. Extreme overexposure may result in unconsciousness and possibly death.

CARCINOGENICITY: No data available.



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GERM CELL MUTAGENICITY: No data available.
REPRODUCTIVE TOXICITY: No data available.
RESPIRATORY/SKIN SENSITIZATION: No data available.
SPECIFIC TARGET ORGAN TOXICITY – SINGLE EXPOSURE: No data available.
SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE: No data available.

0000142-2-5 N-HEPTANE
 LC50 (rat): approximately 25000 ppm (4-hour exposure); cited as 103 g/m³ (4-hour exposure) (6)
 LD50 (rat, rel): Greater than 15000 mg/kg (4)

0004742-65-0 MINERAL OIL, PETROLEUM DISTILLATES, SOLVENT-DEWAXED HEAVY PARAFFINIS
 LC50 (Rodent – rat, Oral): >5000 mg/kg. Toxic effects: Details of toxic effects not reported other than lethal dose value.
 LC50 (Rodent – rabbit, Administration onto the skin): 5000 mg/kg. Toxic effects: Details of toxic effects not reported other than lethal dose value.

0000076-28-5 ISOBUTANE
 LC50 (mouse, Inhalation): 520,000 ppm (52%) (2-hour exposure) (4)

0000106-97-8 BUTANE
 LC50 (mouse): 202000 ppm (491000 mg/m³) (4-hour exposure); cited as 680 mg/L (2-hour exposure) (6)
 LC50 (rat): 276000 ppm (658000 mg/m³) (4-hour exposure); cited as 655 mg/L (4-hour exposure) (6)

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY: No data available.
PERSISTENCE AND DEGRADABILITY: No data available.
BIOACCUMULATIVE POTENTIAL: No data available.
MOBILITY IN SOIL: No data available.
OTHER ADVERSE EFFECTS: No data available.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL INSTRUCTIONS: Under RCRA, it is the responsibility of the user of the product, to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state, and local laws.

Empty containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

SECTION 14: TRANSPORT INFORMATION

CONTAINER SIZES(S): Aerosol Can
PROPER SHIPPING NAME: CLEANING COMPOUND (7 oz.)
HAZARD CLASS: N/A
ID NUMBER: N/A
PACKING GROUP: N/A
LABEL STATEMENT: LIMITED QUANTITY

SECTION 15: REGULATORY INFORMATION

CAS	CHEMICAL NAME	% BY WEIGHT	REGULATION LIST
0000074-98-8	PROPANE	14% - 23%	SARA 312, VOC, TSCA, ACGIH, OSHA
0000076-28-5	ISOBUTANE	13% - 24%	SARA 312, VOC, TSCA, ACGIH
0000106-97-8	BUTANE	31% - 55%	SARA 312, VOC, TSCA, ACGIH

FEDERAL REGULATIONS:

TSCA (TOXIC SUBSTANCE CONTROL ACT): See above.
CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): See above.
SARA 311/312 HAZARD CATEGORIES: See above.
SARA 313 REPORTABLE INGREDIENTS: None.
STATE REGULATIONS: None

SECTION 16: OTHER INFORMATION

GLOSSARY: There are points of differences between OSHA GHS and UN GHS. In 90% of the categories, they can be used interchangeably, but for the Skin Corrosion/Irritant Category and the Specific Target Organ Toxicity (Single and Repeated Exposure) Categories. In these cases, our system will say UN GHS.

ACGIH – American Conference of Governmental Industrial Hygienists; **ANSI** – American National Standards Institute; **Canadian TDG** – Canadian Transportation of Dangerous Goods; **CAS** – Chemical Abstract Service; **Chemtrec** – Chemical Transportation Emergency Center (US); **CHIP** – Chemical Hazard Information and Packaging; **DSL** – Domestic Substances List; **EC** – Equivalent Concentration; **EHD0 (UN)** – HSE Guidance Note EHD0 Occupational Exposure Limits; **EPORA** – Emergency Planning and Community Right-to-Know Act; **ESL** – Effects Screening Levels; **HMIS** – Hazardous Material Information System; **LC** – Lethal Concentration; **LC50** – Lethal Concentration 50%; **LD50** – Lethal Dose 50%; **NIOSH** – National Institute for Occupational Safety and Health; **Occupational Safety and Health Administration** – US Department of Labor; **PEL** – Permissible Exposure Limit; **SARA (Title III)** – Superfund Amendments and Reauthorization Act; **SARA 313** – Superfund Amendments and Reauthorization Act, Section 313; **SCBA** – Self-Contained Breathing Apparatus; **STEL** – Short Term Exposure Limit; **TCEQ** – Texas Commission on Environmental Quality; **TLV** – Threshold Limit Value; **TSCA** – Toxic Substances Control Act Public Law 94-488; **TWA** – Time Weighted Value; **US DOT** – US Department of Transportation; **WHMIS** – Workplace Hazardous Materials Information System.

HMB/NFPA Ratings: Health = 1
 Flammability = 4
 Reactivity = 0
 Other = -
 Protection = A

REVISION DATE: 07/08/16

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