



SAFETY DATA SHEET

Product: MARC 176 BIG RED HIGH-TEMP GASKET MAKER

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 176 BIG RED HIGH-TEMP RTV GASKET MAKER**

SDS DATE: 01/09/2019

SUPPLIER: Mid-American Research Chemical Corp.

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

PHONE: 402-564-7104 FAX: 403-563-1290

EMERGENCY PHONE: InfoTrac 1-800-535-5053

E-MAIL: marc@marc1.com WEBSITE: www.marc1.com

RECOMMENDED USE: RTV Silicone Gasket Maker - Acetoxy

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Skin irritation category 2, aerosol category 3.



SIGNAL WORD AND PRECAUTIONARY STATEMENTS: WARNING: Hazardous Statements - Physical:

H229 - Pressurized container: May burst if heated. **Hazardous Statements - Health:** H315 - Causes skin irritation. H320 -

Causes eye irritation. **Precautionary Statements - General:** P101 - If medical advice is needed, have product container or label at hand.

P102 - Keep out of reach of children. P103 - Read label before use. **Precautionary Statements - Prevention:** P264 - Wash thoroughly after handling. P280 - Wear protective gloves/protective clothing/eye protection/face protection. P210 - Keep away from heat, hot surfaces, sparks,

open flames and other ignition sources. No smoking. P251 - Do not pierce or burn, even after use. **Precautionary Statements - Response:**

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water. P332 + P313 - If skin irritation occurs: Get medical advice/attention. P362 +

P364 - Take off contaminated clothing and wash it before reuse. P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several

minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER or

doctor/physician. **Precautionary Statements - Storage:** P410 - Protect from sunlight. P412 - Do not expose to temperatures exceeding 50

°C/122 °F. **Precautionary Statements - Disposal:** P501 - Dispose of contents and container in accordance with all local, regional, national

and international regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>% By Wt.</u>
Methyl Siloxane Linear/Cyclic	70131-67-8	52% - 92%
Silica, Amorphous	7631-86-9	6% - 12%
Mineral Seal Oil	64742-46-7	2% - 4%
Methyltriacetoxysilane	4253-34-3	2% - 4%
Ethyltriacetoxysilane	17689-77-9	2% - 4%

Specific chemical identity and/or percentage of composition has been withheld 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 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 at rest in a position comfortable for breathing. If exposed/feel unwell/concerned, call a POISON CENTER or doctor/physician.

SECTION 5: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Use water, fog, dry chemical, or carbon dioxide. Carbon dioxide can displace oxygen.



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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.

UNSUITABLE EXTINGUISHING MEDIA:

Water may be ineffective but can be used to cool containers exposed to heat or flame.

**FIRE-FIGHTING PROCEDURES/
EQUIPMENT:**

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. Care should always be exercised in dust/mist areas. Firefighters should wear positive pressure, full-face piece self-contained breathing apparatus (SCBA), and full turnout gear. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

UNUSUAL FIRE AND EXPLOSION HAZARDS: 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. 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 ignition sources (no smoking, flares, sparks, or flames in immediate area). Stay upwind; keep out of low areas. Immediately turn off or isolate any source of ignition. Keep unnecessary people away. Isolate hazard area and deny entry. Do not touch or walk through spilled material. Clean up immediately.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:

Use absorbent sweeping compound to soak up material and put into suitable container for proper disposal.

PERSONAL PRECAUTIONS:

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. Wear positive pressure, full-face piece self-contained breathing apparatus (SCBA), or positive pressure supplied air respirator with escape SDBA (NIOSH approved). (See Section 8 Exposure Controls, Personal Protection.)

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

**PRECAUTIONS FOR
SAFE HANDLING:**

Do not cut, drill, grind, weld, or perform similar operations on or near containers. Do not pressurize containers to empty them. Ground all structures, 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. Remove contaminated clothing and protective equipment before entering eating areas. Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Eating, drinking and smoking in work areas is prohibited. Use good personal hygiene practices. Eyewash stations and showers should be available in areas where this material is used and stored.

OTHER PRECAUTIONS:

**KEEP OUT OF REACH OF CHILDREN! FOR INDUSTRIAL AND INSTITUTIONAL USE ONLY!
FOR USE BY TRAINED PERSONNEL ONLY!**

STORAGE:

Keep container(s) tightly closed and properly labeled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight and incompatibilities and at temperatures below 120° F. 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 containers retain residue and may be dangerous.

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



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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 Z88.2 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/FACE PROTECTION: Chemical goggles, safety glasses with side shields or vented/splash proof goggles. Contact lenses may absorb irritants. Particles may adhere to lenses and cause corneal damage.

SKIN PROTECTION/PROTECTIVE GLOVES: Wear 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.

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 HYGIENIC PRACTICES: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking.

CHEMICAL NAME	OSHA A TWA (ppm)	OSHA TWA (mg/m3)	OSHA STEL (ppm)	OSHA STEL (mg/m3)	OSHA Tables-(Z1,2,3)	OSHA Carcinogen	OSHA Skin designation	NIOSH TWA (ppm)	NIOSH TWA (mg/m3)	NIOSH STEL (ppm)	NIOSH STEL (mg/m3)	NIOSH Carcinogen
MINERAL SEAL OIL	500	2000			1							
SILICA, AMORPHOUS	20 (b)	80 mg/m3 percent SiO2+2			1,3				6			

CHEMICAL NAME	ACGIH TWA (ppm)	ACGIH TWA (mg/m3)	ACGIH STEL (ppm)	ACGIH STEL (mg/m3)
MINERAL SEAL OIL				
SILICA, AMORPHOUS				

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Gel in can.
PHYSICAL STATE: Gel.
COLOR: Red.
ODOR: Acidic.
ODOR THRESHOLD: N.A.
pH: N.A.
MELTING/FREEZING POINT: N.A.
LOW BOILING POINT: N.A.
HIGH BOILING POINT: N.A.
FLASH POINT/METHOD USED: N.A.
EVAPORATION RATE: Slower than ether.
FLAMMABILITY (solid, gas): Flashpoint over 212°F.
FLAMMABILITY EXPLOSIVE (%): LOWER: N.A. UPPER: N.A.
VAPOR PRESSURE (mmHg): N.A.
VAPOR DENSITY (AIR = 1): Slower than ether.
DENSITY: 9.10 lb/gal
DENSITY VOC: 0.27 lb/gal
%VOC: 3.0%
VOC ACTUAL: 0.27 lb/gal
VOC ACTUAL: 32.7 g/l
SPECIFIC GRAVITY (H2O = 1): N.A.



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SOLUBILITY IN WATER: Nil
PARTITION COEFFICIENT,
n-OCTANOL/WATER: N.A.
AUTO-IGNITION TEMPERATURE: N.A.
DECOMPOSITION TEMPERATURE: 0
VISCOSITY: N.A.

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: Stable.

CHEMICAL STABILITY: Material is stable under normal conditions.

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: Will not occur. **CONDITIONS TO AVOID (POLYMERIZATION):** NA

SECTION 11: TOXICOLOGICAL INFORMATION

INFORMATION ON LIKELY ROUTES OF EXPOSURE:

SERIOUS EYE DAMAGE/IRRITATION: Over exposure will cause redness and burning sensation.

SKIN CORROSION/IRRITATION: Overexposure will cause defatting of skin. Causes skin 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: No data available.

SPECIFIC TARGET ORGAN TOXICITY – REPEATED EXPOSURE: No data available.

ASPIRATION HAZARD: No data available.

ACUTE TOXICITY: Inhalation: effect of overexposure include irritation of respiratory tract, headache, dizziness, nausea, and loss of coordination. Extreme overexposure may result in unconsciousness and possibly death.

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 METHOD: 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.



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SECTION 14: TRANSPORT INFORMATION

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

CONTAINER SIZES(S): Aerosol Can (8 oz.)
PROPER SHIPPING NAME: GASKET MAKER
HAZARD CLASS: N/A
ID NUMBER: None
PACKING GROUP: None
LABEL STATEMENT: LTD QTY

SECTION 15: REGULATORY INFORMATION

CAS	CHEMICAL NAME	% BY WEIGHT	REGULATION LIST
4253-34-3	METHYLTRIACETOXSILANE	2% - 4%	SARA 312, TSCA
7631-86-9	SILICA, AMORPHOUS	6% - 13%	SARA 312, TSCA, OSHA
17689-77-9	ETHYLTRIACETOXSILANE	2% - 4%	SARA 312, TSCA
64742-46-7	MINERAL SEAL OIL	2% - 4%	SARA 312, TSCA, OSHA
70131-67-8	METHYLSILOXANE LINEAR/CYCLIC	55% - 97%	SARA 312, TSCA

SECTION 16: OTHER INFORMATION

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

REVISION DATE: 01/09/2019

N/A = Not Applicable, N/D = Not Determined, N/E = Not Established

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.