



SAFETY DATA SHEET

Product: MARC 179 RUST ELIMINATOR

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 179 RUST ELIMINATOR**

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: Rust preventative coating.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Flam. Aerosol 1 H222 Extremely flammable aerosol. Press. Gas H280 Contains gas under pressure; may explode if heated. Eye Irrit. 2A H319 Causes serious eye irritation. Skin Sens. 1 H317 May cause an allergic skin reaction. STOT SE 3 H335-H336 May cause respiratory irritation. May cause drowsiness or dizziness. STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.



Signal word – Danger. **Hazard statements**- Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes serious eye irritation. May cause an allergic skin reaction. May cause respiratory irritation. May cause drowsiness or dizziness. May cause damage to organs through prolonged or repeated exposure. **Precautionary statements**- Keep away from heat/sparks/open flames/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. Do not breathe dust/fume/gas/mist/vapors/spray. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. IF INHALED: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center/doctor if you feel unwell. If eye irritation persists: Get medical advice/attention. Store in a well-ventilated place. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization: Mixtures

Chemical Description: This product is a mixture of the substances listed below with nonhazardous additions.

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>% By Wt.</u>
Acetone	67-64-1	19.2%
Propane	74-98-6	15.75%
Talc	14807-96-6	12.98%
Isobutyl acetate	110-19-0	10.58%
n-butane	106-97-8	9.25%
Propylene glycol	57-55-6	2.48%
Methyl isobutyl ketone	108-10-1	2.33%
MethylPropyl Ketone	107-87-9	2.08%
Glycol Ether EP	2807-30-9	2.06%
Xylene (mix)	1330-20-7	2.04%
PM acetate	108-65-6	1.26%

Specific chemical identity and/or percentage of composition has been withheld as a trade secret.

SECTION 4: FIRST AID MEASURES

EYES: Rinse opened eye for several minutes under running water. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, consult a doctor.

SKIN: Take off all contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Wash exposed area with soap and water. Get medical attention if irritation persists or if you feel unwell.

INGESTION: Rinse out mouth and then drink plenty of water. **DO NOT INDUCE VOMITING!** Get medical attention.



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INHALATION: Move person to fresh air and keep at rest in a position comfortable for breathing. Consult doctor in case of complaints or if you feel unwell.

MOST IMPORTANT SYMPTOMS AND EFFECTS: Dizziness.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION NEEDED: No further relevant information available.

SECTION 5: FIRE FIGHTING MEASURES

FIRE-FIGHTING MEASURES EXTINGUISHING AGENTS: CO₂, extinguishing powder or water spray. Fight larger fires with water spray.

FIRE-FIGHTING PROCEDURES/EQUIPMENT: A respiratory protective device may be necessary.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Can form explosive gas-air mixtures.

HAZARDOUS DECOMPOSITION PRODUCTS: No dangerous decomposition products known.

SECTION 6: ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES: Use respiratory protective device against the effects of fumes/dust/aerosol.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Absorb liquid components with liquid-binding material.

PERSONAL PRECAUTIONS: Use respiratory protective device against the effects of fumes/dust/aerosol. (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: Use only in well ventilated areas.

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

STORAGE: Store locked up. Keep away from sources of heat and direct sunlight. Do not warehouse in subfreezing conditions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with limit values that require monitoring at the workplace:

67-64-1 Acetone

PEL (USA)	Long-term value: 2400 mg/m ³ , 1000 ppm
REL (USA)	Long-term value: 590 mg/m ³ , 250 ppm
TLV (USA)	Short-term value: 1187 mg/m ³ , 500 ppm
	Long-term value: 594 mg/m ³ , 250 ppm
	BEI

74-98-6 Propane

PEL (USA)	Long-term value: 1800 mg/m ³ , 1000 ppm
REL (USA)	Long-term value: 1800 mg/m ³ , 1000 ppm
TLV (USA)	Refer to Appendix F in TLVs and BEIs book

110-19-0 Isobutyl acetate

PEL (USA)	Long-term value: 700 mg/m ³ , 150 ppm
REL (USA)	Long-term value: 700 mg/m ³ , 150 ppm
TLV (USA)	Short-term value: NIC-712 mg/m ³ , NIC-150 ppm
	Long-term value: (713) NIC-238 mg/m ³ , (150) NIC-50 ppm



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106-97-8 n-butane	
REL (USA)	Long-term value: 1900 mg/m3, 800 ppm
TLV (USA)	Short-term value: 2370 mg/m3, 1000 ppm
57-55-6 propylene glycol	
WEEL (USA) Long-term value: 10 mg/m3	
108-10-1 methyl isobutyl ketone	
PEL (USA)	Long-term value: 410 mg/m3, 100 ppm
REL (USA)	Short-term value: 300 mg/m3, 75 ppm
TLV (USA)	Long-term value: 205 mg/m3, 50 ppm
	Short-term value: 307 mg/m3, 75 ppm
	Long-term value: 82 mg/m3, 20 ppm
	BEI
107-87-9 Methyl Propyl Ketone	
PEL (USA)	Long-term value: 700 mg/m3, 200 ppm
REL (USA)	Long-term value: 530 mg/m3, 150 ppm
TLV (USA)	Short-term value: 529 mg/m3, 150 ppm
1330-20-7 xylene (mix)	
REL (USA)	Long-term value: 435 mg/m3, 100 ppm
TLV (USA)	Short-term value: 655 mg/m3, 150 ppm
	Long-term value: 435 mg/m3, 100 ppm
	Short-term value: 651 mg/m3, 150 ppm
	Long-term value: 434 mg/m3, 100 ppm
	BEI
108-65-6 PM acetate	
WEEL (USA) Long-term value: 50 ppm	
Ingredients with biological limit values:	
67-64-1 Acetone	
BEI (USA)	50 mg/L
	Medium: urine
	Time: end of shift
	Parameter: Acetone (nonspecific)
108-10-1 methyl isobutyl ketone	
BEI (USA)	1 mg/L
	Medium: urine
	Time: end of shift
	Parameter: MIBK
1330-20-7 xylene (mix)	
BEI (USA)	1.5 g/g creatinine
	Medium: urine
	Time: end of shift
	Parameter: Methylhippuric acids

**APPROPRIATE ENGINEERING CONTROLS/
VENTILATION:**

RESPIRATORY PROTECTION: A respirator is generally not necessary when using this product outdoors or in large open areas. In cases where short and/or long term overexposure exists, a charcoal filter respirator should be worn. If you suspect overexposure conditions exist, please consult an authority on chemical hygiene.

EYE/FACE PROTECTION: Tightly sealed goggles.

SKIN PROTECTION/PROTECTIVE GLOVES: Nitrile gloves. Protective gloves. The glove material must be impermeable and resistant to the substance.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: N/A

WORK HYGIENIC PRACTICES: Always observe good personal hygiene measures. Immediately remove all soiled and contaminated clothing. Wash hands after use. Avoid contact with the eyes and skin. Do not eat or drink while working.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:
PHYSICAL STATE: Aerosol.
COLOR:
ODOR: Aromatic.



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ODOR THRESHOLD:	Not determined.
pH:	Not determined.
MELTING/FREEZING POINT:	Not determined.
BOILING POINT:	-44°C (-47°F)
FLASH POINT/METHOD USED:	-19°C (-2°F)
FLAMMABILITY (solid, gas):	Extremely flammable.
DANGER OF EXPLOSION (%):	In use, may form flammable/explosive vapour-air mixture.
LOWER EXPLOSION LIMIT:	1.7 VOL%
UPPER EXPLOSION LIMIT:	10.9%
VAPOR PRESSURE (mmHg):	Not determined.
RELATIVE DENSITY:	Between 0.77 and 0.85 (Water equals 1.00)
VAPOR DENSITY (AIR = 1):	Not determined.
EVAPORATION RATE:	Not applicable.
SPECIFIC GRAVITY (H2O = 1):	N.A.
SOLUBILITY IN WATER:	Not determined.
PARTITION COEFFICIENT, n-OCTANOL/WATER:	Not determined.
AUTO-IGNITION TEMPERATURE:	Product is not self-igniting.
DECOMPOSITION TEMPERATURE:	Not determined.
VISCOSITY:	Not determined.
VOC CONTENT:	510.0 g/l / 4.26 lb/gl
VOC CONTENT(less exempt solvents):	49.2%
SOLIDS CONTENT:	31.4%

SECTION 10: STABILITY AND REACTIVITY

- REACTIVITY:** Stable at normal temperatures.
- CHEMICAL STABILITY:** Not fully evaluated.
- CONDITIONS TO AVOID:** Do not allow can to exceed 120 degrees Fahrenheit. Do not warehouse in subfreezing temperatures.
- INCOMPATIBILITY (MATERIAL TO AVOID):** No further relevant information available.
- HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** No dangerous decomposition products known.
- HAZARDOUS REACTIONS:** No dangerous reactions known.
- HAZARDOUS POLYMERIZATION:** Will not occur. **CONDITIONS TO AVOID (POLYMERIZATION):** NA

SECTION 11: TOXICOLOGICAL INFORMATION

LD/LC50 values that are relevant for classification:		
110-19-0 isobutyl acetate		
Oral	LD50	4763 mg/kg (rbt)
106-97-8 n-butane		
Inhalative	LC50/4 h	658 mg/l (rat)
108-10-1 methyl isobutyl ketone		
Oral	LD50	2100 mg/kg (rat)
Dermal	LD50	16000 mg/kg (rab)
Inhalative	LC50/4 h	8.3-16.6 mg/l (rat)
1330-20-7 xylene (mix)		
Oral	LD50	8700 mg/kg (rat)
Dermal	LD50	2700 mg/kg (rbt)
Inhalative	LC50/4 h	6350 mg/l (rat)
108-65-6 PM acetate		
Oral	LD50	8500 mg/kg (rat)
Inhalative	LC50/4 h	35.7 mg/l (rat)

- INFORMATION ON TOXICOLOGICAL EFFECTS:** No data available.
- SKIN EFFECTS:** No irritant effect.
- EYE EFFECTS:** Irritating effect.



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SENSITIZATION: No sensitizing effects known.

CARCINOGENIC CATEGORIES:

IARC (International Agency for Research on Cancer)		
14807-96-6	Talc	28
108-10-1	Methyl isobutyl ketone	28
1330-20-7	Xylene (mix)	3
NTP (National Toxicology Program)		
None of the ingredients is listed.		

SECTION 12: ECOLOGICAL INFORMATION

AQUATIC TOXICITY: Hazardous for water, do not empty into drains.

PERSISTENCE AND DEGRADABILITY: The product is degradable after prolonged exposure to natural weathering processes.

BIOACCUMULATIVE POTENTIAL: No further relevant information available.

MOBILITY IN SOIL: No further relevant information available.

OTHER ADVERSE EFFECTS: No further relevant information available.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations. Do not puncture, incinerate, or compact. Partially empty cans must be disposed of responsibly. Do not heat or cut empty containers with electric or gas torches.

RECOMMENDATION: Completely empty cans should be recycled.

SECTION 14: TRANSPORT INFORMATION

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

CONTAINER SIZE(S): Aerosol Can (11 oz.)
PROPER SHIPPING NAME: CONSUMER COMMODITY ORM-D, PAINT
HAZARD CLASS: None
ID NUMBER: None
PACKING GROUP: None
LABEL STATEMENT: LTD QTY

SECTION 15: REGULATORY INFORMATION

SARA Section 355 (extremely hazardous substances):

None of the ingredients in this product are listed.

SARA Section 313 (Specific toxic chemical listings):

108-10-1	Methyl isobutyl ketone
1330-20-7	Xylene (mix)

CPSC: This product complies with 16 CFR 1303 and does not contain more than 90 ppm of lead.

California Proposition 65 chemicals known to cause cancer:

108-10-1	Methyl isobutyl ketone
1333-86-4	Carbon Black
100-41-4	Ethyl benzene

EPA:

67-64-1	Acetone	1
110-19-0	Isobutyl acetate	D
108-10-1	Methyl isobutyl ketone	1
1330-20-7	Xylene (mix)	1



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SECTION 16: OTHER INFORMATION

HMIS/NFPA Ratings: Health = 1
Flammability = 4
Reactivity = 3
Other = -
Protection = B

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.