



# SAFETY DATA SHEET

Product: MARC 108 CITATION STAINLESS STEEL & METAL POLISH  
Form R04132

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 108 CITATION STAINLESS STEEL & METAL POLISH**

SDS DATE: 07/14/2022

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

RECOMMENDED USE: Stainless steel and metal polish and cleaner.

PREPARED BY: MARC

## SECTION 2: HAZARDS IDENTIFICATION

Classification: Flam. Aerosol 1 H222; Eye Irrit. 2A H319; STOT SE 3 H336; Asp. Tox. 1 H304.

HAZARD STATEMENTS-- Signal word: Danger. Hazard statements: Extremely flammable aerosol.

May be fatal if swallowed and enters airways. Causes serious eye irritation. May cause drowsiness or dizziness.

Precautionary statements: Keep away from heat, hot surfaces, open flames, sparks. No smoking. Do not spray

on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing gas. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear eye protection, face protection. If swallowed: Immediately call a doctor, a POISON CENTER. 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 doctor, a POISON CENTER if you feel unwell. Do NOT induce vomiting. If eye irritation persists: Get medical advice/attention. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Dispose of contents/container to comply with local/regional/national/international regulations.



## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Specific percentages and ingredients claimed as a trade secret.

Name	Product identifier	%	Classification (GHS-US)
hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics	(CAS No) 64742-47-8	20 - 40	Flam. Liq. 4, H227 Asp. Tox. 1, H304
white mineral oil (petroleum)	(CAS No) 8042-47-5	20 - 40	Asp. Tox. 1, H304
acetone, propan-2-one, propanone	(CAS No) 67-64-1	10 - 20	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
propane	(CAS No) 74-98-6	10 - 20	Flam. Gas 1, H220 Compressed gas, H280
methyl acetate	(CAS No) 79-20-9	2.5 - 10	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336
methanol	(CAS No) 67-56-1	0.1 - 1	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 STOT SE 1, H370
acetaldehyde, ethanal	(CAS No) 75-07-0	0.01 - 0.1	Carc. 1A, H350

## SECTION 4: FIRST AID MEASURES

First-aid measures-general: If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. First-aid measures after inhalation: Remove the victim into fresh air. Artificial respiration and/or oxygen if necessary. Call a poison center or a doctor if you feel unwell. First-aid measures after skin contact: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. First-aid measures after eye contact: Rinse immediately with plenty of water. If eye irritation persists: Get medical advice/attention. First-aid measures after ingestion: Rinse mouth. Get medical advice/attention. Most important symptoms and effects, both acute and delayed: Symptoms/injuries: Causes serious eye irritation. May cause drowsiness or dizziness. Headache. Nausea, vomiting. May be fatal if swallowed and enters airways. Symptoms/injuries after inhalation: May cause drowsiness or dizziness. Headache. Nausea. Vomiting. Symptoms/injuries after skin contact: Contact during a long period may cause



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light irritation. Symptoms/injuries after eye contact: Causes serious eye irritation. Redness of the eye tissue. Symptoms/injuries after ingestion: Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis. Indication of any immediate medical attention and special treatment needed Treat symptomatically. Keep watching the victim. Symptoms may be delayed.

## SECTION 5: FIRE FIGHTING MEASURES

Suitable extinguishing media: Alcohol-resistant foam. Dry chemical powder. Carbon dioxide. Unsuitable extinguishing media: Do not use a water jet since it may cause the fire to spread. Special hazards arising from the substance or mixture-- Fire hazard: Extremely flammable aerosol. Explosion hazard: Contains gas under pressure; may explode if heated. Reactivity: The product is non-reactive under normal conditions of use, storage and transport. Advice for firefighters-- Firefighting instructions: Exercise caution when fighting any chemical fire. Move containers away from the fire area if this can be done without risk. Use water spray or fog for cooling exposed containers. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. Protection during firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures-- General measures: No flames, No sparks. Eliminate all sources of ignition. Evacuate unnecessary personnel. Stay upwind/keep distance from source. Gas is denser than air. May accumulate in low areas e. g. close to the ground. For non-emergency personnel-- Protective equipment: Do not enter without an appropriate protective equipment. Emergency procedures: Avoid contact with skin, eyes and clothing. Evacuate unnecessary personnel. Keep upwind. Ventilate spillage area. DO NOT touch spilled material. Do not breathe gas. Advice local authorities if considered necessary. For emergency responders-- Protective equipment: Equip cleanup crew with proper protection. Emergency procedures: Stop leak if safe to do so. Stop release. Ventilate area. Environmental precautions-- Do not allow to enter drains or water courses. Prevent soil and water pollution. Avoid release to the environment. Stop leak if safe to do so. Advice local authorities if considered necessary. Methods and material for containment and cleaning up for containment: Keep combustibles (wood, paper, oil, etc.) away from spilled material. Eliminate every possible source of ignition. Stop leak if safe to do so. Move the cylinder to a safe and open area if the leak is irreparable. Prevent the product from entering drains or confined areas. Methods for cleaning up: Take up liquid spill into inert absorbent material. Following product recovery, flush area with water.

## SECTION 7: HANDLING AND STORAGE

Precautions for safe handling--Additional hazards when processed: Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Do not spray on a naked flame or any incandescent material. Do not smoke while handling product. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Use only non-sparking tools. Use only explosion-free electrical equipment with earth. Avoid contact with eyes. Wash hands and other exposed areas with mild soap and water before eating, drink or smoke and when leaving work. Observe normal hygiene standards. Do not re-use empty containers. Avoid breathing gas. Avoid prolonged and repeated contact with skin. Use only outdoors or in a well-ventilated area. Use personal protective equipment as required. Hygiene measures: Wash contaminated clothing before reuse. Use good personal hygiene practices. Conditions for safe storage, including any incompatibilities-- Technical measures: Pressurized container. Do not puncture, incinerate or crush. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Storage conditions: Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place. Refrigerate. Incompatible products: Refer to Section 10 on Incompatible Materials. Storage area: Aerosol 3. Special rules on packaging: meet the legal requirements.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters--

<b>white mineral oil (petroleum) (8042-47-5)</b>		
ACGIH	ACGIH TWA (mg/m³)	5 mg/m³
<b>acetone, propan-2-one, propanone (67-64-1)</b>		
ACGIH	ACGIH TWA (ppm)	250 ppm
ACGIH	ACGIH STEL (ppm)	500 ppm
ACGIH	Remark (ACGIH)	eye irr; CNS impair; BEI
<b>propane (74-98-6)</b>		
ACGIH	ACGIH TWA (ppm)	1000 ppm
OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
<b>methyl acetate (79-20-9)</b>		
ACGIH	ACGIH TWA (ppm)	200 ppm



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ACGIH	ACGIH STEL (ppm)	250 ppm
ACGIH	Remark (ACGIH)	eye & URT irr.

### methanol (67-56-1)

ACGIH	ACGIH TWA (ppm)	200 ppm
ACGIH	ACGIH STEL (ppm)	250 ppm
ACGIH	Remark (ACGIH)	Headache; eye dam; dizziness; nausea

### acetaldehyde, ethanal (75-07-0)

ACGIH	ACGIH Ceiling (ppm)	25 ppm
ACGIH	Remark (ACGIH)	Eye & URT irr.; A2

Appropriate engineering controls: Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. Ensure good ventilation of the workstation. If exposure limits have not been established, maintain airborne levels to an acceptable level. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Personal protective equipment: Gloves. Protective clothing. Protective goggles. Use appropriate personal protective equipment when risk assessment indicates this is necessary. Hand protection: Gloves. Eye protection: Chemical goggles or safety glasses. Skin and body protection: Protective clothing. Respiratory protection: If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator. Thermal hazard protection: Use appropriate personal protective equipment when risk assessment indicates this is necessary. Consumer exposure controls: When using do not smoke. Use good personal hygiene practices. Wash hands and other exposed areas with mild soap and water before eating, drink or smoke and when leaving work. Take off contaminated clothing and wash before reuse.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Clear to light yellow liquid; aerosol spray

**ODOR:** Citrus scent

**ODOR THRESHOLD:** N/D

**pH:** N/A

**MELTING POINT/FREEZING POINT:** N/D

**INITIAL BOILING POINT AND BOILING RANGE:** 63°F

**FLASH POINT:** -156°-propellant

**EVAPORATION RATE:** N/D

**FLAMMABILITY (solid/gas):** Extremely Flammable Aerosol

**UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS--**

**LOWER FLAMMABILITY LIMIT:** N/D

**UPPER FLAMMABILITY LIMIT:** N/D

**EXPLOSIVE LIMIT LOWER (%):** N/D

**EXPLOSIVE LIMIT UPPER (%):** N/D

**VAPOR PRESSURE (mm Hg):** N/D

**VAPOR DENSITY (AIR=1):** N/D

**RELATIVE DENSITY (H<sub>2</sub>O=1):** 0.765 – 0.865

**SOLUBILITY(IES):** N/D

**PARTITION COEFFICIENT: n-OCTANOL/WATER (KOW):** N/D

**AUTOIGNITION TEMPERATURE:** N/D

**DECOMPOSITION TEMPERATURE:** N/D

**VISCOSITY, KINEMATIC:** <20 cST

## SECTION 10: STABILITY AND REACTIVITY

Reactivity: The product is non-reactive under normal conditions of use, storage and transport. Chemical stability: Stable under normal conditions. Possibility of hazardous reactions--No dangerous reactions known under normal conditions of use. Hazardous polymerization does not occur. Conditions to avoid: Aerosol containers are unstable at temperatures above 49°C. Avoid temperatures exceeding the flash point. Incompatible materials: Acids, strong oxidizing agents, nitrates. Hazardous decomposition products: Under normal conditions of storage and use, hazardous decomposition products should not be produced.



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## SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity: Not classified

<b>hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, &lt; 2% aromatics (64742-47-8)</b>	
LD50 dermal rabbit	> 5000 mg/kg body weight (Rabbit; Literature)
<b>white mineral oil (petroleum) (8042-47-5)</b>	
LD50 oral rat	> 5000 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Experimental value)
LD50 dermal rabbit	> 2000 mg/kg body weight (Rabbit; Experimental value; Equivalent or similar to OECD 402)
LC50 inhalation rat (mg/l)	> 5 mg/l/4h (Rat; Experimental value)
<b>methanol (67-56-1)</b>	
LD50 dermal rabbit	12800 mg/kg
ATE CLP (oral)	100.000 mg/kg body weight
ATE CLP (dermal)	300.000 mg/kg body weight
ATE CLP (gases)	64000.000 ppm V/4h
ATE CLP (dust, mist)	0.500 mg/l/4h

Skin corrosion/irritation: Not classified. Serious eye damage/irritation: Causes serious eye irritation. Respiratory or skin sensitization: Not classified. Germ cell mutagenicity: Notclassified. Carcinogenicity: Not classified.

<b>white mineral oil (petroleum) (8042-47-5)</b>	
IARC group	3 - Not Classifiable
<b>acetaldehyde, ethanal (75-07-0)</b>	
IARC group	2B - Possibly Carcinogenic to Humans, 1 - Carcinogenic to Humans
National Toxicology Program (NTP) Status	3 - Reasonably anticipated to be Human Carcinogen

Reproductive toxicity: Not classified. Specific target organ toxicity (single exposure): May cause drowsiness or dizziness. Not classified. Specific target organ toxicity (repeated exposure): Not classified. Aspiration hazard: May be fatal if swallowed and enters airways. Symptoms/injuries after inhalation: May cause drowsiness or dizziness. Headache. Nausea. Vomiting. Symptoms/injuries after skin contact: Contact during a long period may cause light irritation. Symptoms/injuries after eye contact: Causes serious eye irritation. Redness of the eye tissue. Symptoms/injuries after ingestion: Swallowing the liquid may cause aspiration into the lungs with the risk of chemical pneumonitis.

## SECTION 12: ECOLOGICAL INFORMATION

### Toxicity--

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8)

LC50 fish 1 > 100 mg/l (Pisces)

EC50 Daphnia 1 > 100 mg/l (Invertebrata)

Threshold limit algae 1 > 100 mg/l (Algae)

White Mineral Oil (petroleum) (8042-47-5)

LC50 fish 1 > 100 mg/l (96 h; Oncorhynchus mykiss; Nominal concentration)

Threshold limit algae 1 >= 100 mg/l (72 h; Pseudokirchneriella subcapitata; Growth rate)

### Persistence and degradability--

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8)

Readily biodegradable in water. Adsorbs into the soil.

White Mineral Oil (petroleum) (8042-47-5)

Not readily biodegradable in water. No (test)data on mobility of the substance available.

### Bioaccumulative potential--

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8)

Log Pow 6 - 8.2

High potential for bioaccumulation (Log Kow > 5).

White Mineral Oil (petroleum) (8042-47-5)

No bioaccumulation data available.



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## SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods: Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Dispose of contents/container to comply with local/regional/national regulations. Waste disposal recommendations: Dispose of contents/container to comply with local/regional/national regulations. Additional information: Handle unclean empty containers as full ones. This material and its container must be disposed of in a safe manner. Do not re-use empty containers.

## SECTION 14: TRANSPORT INFORMATION

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

**CONTAINER SIZE(S):** Aerosol Can  
**PROPER SHIPPING NAME:** CLEANING COMPOUND  
**HAZARD CLASS:** N/A  
**ID NUMBER:** N/A  
**PACKING GROUP:** N/A  
**LABEL STATEMENT:** Limited Quantity

## SECTION 15: REGULATORY INFORMATION

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory. Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

methanol	CAS No 67-56-1	0.1 - 1
acetaldehyde, ethanal	CAS No 75-07-0	0.01 - 0.1
acetone, propan-2-one, propanone (67-64-1)		
Not listed on SARA Section 313 (Specific toxic chemical listings)		
RQ (Reportable quantity, section 304 of EPA's List of Lists)	5000 lb	
propane (74-98-6)		
Not listed on SARA Section 313 (Specific toxic chemical listings)		
methanol (67-56-1)		
Listed on SARA Section 313 (Specific toxic chemical listings)		
RQ (Reportable quantity, section 304 of EPA's List of Lists)	5000 lb	
acetaldehyde, ethanal (75-07-0)		
Listed on SARA Section 313 (Specific toxic chemical listings)		
RQ (Reportable quantity, section 304 of EPA's List of Lists)	1000 lb	

California Proposition 65 - This product is known to the state of California to cause cancer and/or reproductive toxicity.

## SECTION 16: OTHER INFORMATION

**HMIS/NFPA Ratings:** Health = 2; Flammability = 4; Reactivity = 0.

**DISCLAIMER:** To the best of our knowledge, information contained herein is accurate. However, there is no assumption of liability for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazard which exists. The information contained in this SDS was obtained from current and reliable sources; however, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions or handling, storage and disposal of this product are beyond the control of the manufacturer, the manufacturer will not be responsible for loss, injury, or expense arising out of the products improper use. No warranty, expressed or inferred, regarding the product described in this SDS shall be created or inferred by any statement in this SDS. Various government agencies may have specific regulations regarding the transportation, handling, storage, use, or disposal of this product which may not be covered by this SDS. The user is responsible for full compliance.