



# SAFETY DATA SHEET

Product: MARC 156 STAIN MASTER

Form R04132

## SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: MARC 156 STAIN MASTER

SDS DATE: 05/19/15

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: Carpet and fabric cleaner and deodorizer.

PREPARED BY: MARC

## SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Irritation of eyes.

SIGNAL WORD AND PRECAUTIONARY STATEMENTS: DANGER: Extremely flammable aerosol.

PREVENTION: 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.



POTENTIAL HEALTH EFFECTS: See Section 11 for more information.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

<u>CHEMICAL NAME</u>	<u>CAS NO.</u>	<u>%</u>
Butane	106-97-8	2.5 - 10
Propane	74-98-6	1 - 2.5
Sodium Nitrite	7632-00-0	0.1 - 1
Other components below reportable levels		90 - 100

#: This substance has workplace exposure limit(s).

\*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

## SECTION 4: FIRST AID MEASURES

**EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if you are concerned, irritation develops and persists, or if you feel unwell.

**SKIN:** Wash off with soap and plenty of water. Seek medical advice/attention if irritation develops and persists.

**INGESTION:** In the unlikely event of swallowing, contact a physician or poison control center.

**INHALATION:** If symptoms develop move victim to fresh air. Get medical attention if symptoms persist or if you feel unwell.

**MOST IMPORTANT SYMPTOMS/  
EFFECTS, ACUTE & DELAYED:** Direct contact with eyes may cause temporary irritation.

**INDICATION OF IMMEDIATE MEDICAL  
ATTENTION & SPECIAL TREATMENT NEEDED:** Provide general supportive measures and treat symptomatically.



# SAFETY DATA SHEET

Product: MARC 156 STAIN MASTER

Form R04132

**GENERAL INFORMATION:** If exposed or concerned: Get medical advice/attention. 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. Show this safety data sheet to the doctor in attendance.

## SECTION 5: FIRE FIGHTING MEASURES

**SUITABLE EXTINGUISHING MEDIA:** Water.

**UNSUITABLE EXTINGUISHING MEDIA:** None known.

**SPECIAL FIRE FIGHTING PROCEDURES:** See **SPECIFIC METHODS** below.

### FIRE-FIGHTING PROTECTIVE EQUIPMENT/ INSTRUCTIONS:

Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.

### SPECIFIC METHODS:

Use standard firefighting procedures and consider the hazards of other involved materials. Move container from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. In the event of fire and/or explosion do not breathe fumes.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Extremely flammable aerosol. Contents under pressure. Pressurized container may explode when exposed to heat or flame.

**HAZARDOUS DECOMPOSITION PRODUCTS:** No hazardous decomposition products are known.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

### EMERGENCY PROCEDURES/ PROTECTIVE EQUIPMENT:

Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate personal protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see Section 8 of the SDS.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:** Refer to attached safety data sheets and/or instructions for use. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Collect spillage. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water. For waste disposal see Section 13 of SDS.

**ENVIRONMENTAL PRECAUTIONS:** Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.

## SECTION 7: HANDLING AND STORAGE

### PRECAUTIONS FOR SAFE HANDLING:

Do not handle until all safety precautions have been read and understood. Pressurized container. Do not pierce or burn even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Use only in well-ventilated areas. Observe good industrial hygiene practices. Do not empty into drains.



# SAFETY DATA SHEET

Product: MARC 156 STAIN MASTER

Form R04132

**OTHER PRECAUTIONS:** KEEP OUT OF REACH OF CHILDREN! CONTENTS UNDER PRESSURE!

**STORAGE:** Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122°F. Do not puncture, incinerator or crush. Do not handle or store near an open flame, heat, or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of SDS). Level 1 Aerosol (NFPA 30B).

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits

#### US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

COMPONENTS	TYPE	VALUE
Propane (CAS 74-98-6)	PEL	1800 mg/m <sup>3</sup> 1000 ppm

#### US. NIOSH: Pocket Guide to Chemical Hazards

COMPONENTS	TYPE	VALUE
Butane (CAS 106-97-8)	TWA	1900 mg/m <sup>3</sup> 800 ppm
Propane (CAS 74-98-6)	TWA	1800 mg/m <sup>3</sup> 1000 ppm

**Biological limit values:** No biological exposure limits noted for the ingredient(s).

#### APPROPRIATE ENGINEERING CONTROLS/ VENTILATION:

Good general ventilation (typically 10 air changes per hour) should be used. 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. If exposure limits have not been established, maintain airborne levels to an acceptable level.

**RESPIRATORY PROTECTION:** If permissible levels are exceeded use NIOSH mechanical filter/organic vapor cartridge or an air-supplied respirator.

**EYE/FACE PROTECTION:** If contact is likely, safety glasses with side shields (or goggles) are recommended.

**SKIN PROTECTION/PROTECTIVE GLOVES:** For prolonged or repeated skin contact wear appropriate chemical resistant gloves.

#### OTHER PROTECTIVE CLOTHING OR EQUIPMENT/

**THERMAL HAZARDS:** Wear appropriate thermal protective clothing, when necessary.

**WORK HYGIENIC PRACTICES:** When using, do not eat, drink or smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.



# SAFETY DATA SHEET

Product: MARC 156 STAIN MASTER

Form R04132

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

<b>APPEARANCE:</b>	Liquid.
<b>PHYSICAL STATE:</b>	Gas.
<b>FORM:</b>	Aerosol.
<b>COLOR:</b>	Off-white.
<b>ODOR:</b>	Not available.
<b>ODOR THRESHOLD:</b>	Not available.
<b>pH:</b>	8.5 – 9.5 estimated.
<b>MELTING/FREEZING POINT:</b>	Not available.
<b>INITIAL BOILING POINT/RANGE:</b>	Not available.
<b>FLASH POINT/METHOD USED:</b>	-156.00°F (-104.44°C) PROPELLANT estimated
<b>EVAPORATION RATE:</b>	Not available.
<b>FLAMMABILITY (solid, gas):</b>	Not available
<b>FLAMMABILITY LIMITS (%):</b>	<b>LOWER:</b> Not available. <b>UPPER:</b> Not available.
<b>FLAMMABILITY EXPLOSIVE (%):</b>	<b>LOWER:</b> Not available <b>UPPER:</b> Not available
<b>VAPOR PRESSURE (mmHg):</b>	55 psig @ 70°F estimated
<b>VAPOR DENSITY (AIR = 1):</b>	Not available.
<b>RELATIVE DENSITY:</b>	Not available.
<b>SPECIFIC GRAVITY (H<sub>2</sub>O = 1):</b>	0.928 estimated.
<b>SOLUBILITY IN WATER:</b>	Not available.
<b>PARTITION COEFFICIENT, n-OCTANOL/WATER:</b>	Not available.
<b>AUTO-IGNITION TEMPERATURE:</b>	Not available.
<b>DECOMPOSITION TEMPERATURE:</b>	Not available.
<b>VISCOSITY:</b>	Not available.

## SECTION 10: STABILITY AND REACTIVITY

**REACTIVITY:** The product is stable and non-reactive under normal conditions of use, storage and transport.

**CHEMICAL STABILITY:** Material is stable under normal conditions.

**POSSIBILITY OF HAZARDOUS REACTIONS:** Hazardous polymerization does not occur.

**CONDITIONS TO AVOID:** Avoid temperatures exceeding the flash point.

**INCOMPATIBILITY (MATERIAL TO AVOID):** N/A

**HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** No hazardous decomposition products are known.

**HAZARDOUS POLYMERIZATION:** N/A      **CONDITIONS TO AVOID (POLYMERIZATION):** NA

## SECTION 11: TOXICOLOGICAL INFORMATION

### INFORMATION ON LIKELY ROUTES OF EXPOSURE:

**EYES:** Direct contact with eyes may cause temporary irritation.

**SKIN:** Not available.

**INGESTION:** Expected to be a low ingestion hazard.

**INHALATION:** No adverse effects due to inhalation are expected.



# SAFETY DATA SHEET

Product: MARC 156 STAIN MASTER

Form R04132

**SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:**

Direct contact with eyes may cause temporary irritation.

**INFORMATION ON TOXICOLOGICAL EFFECTS**

**ACUTE TOXICITY**

COMPONENTS	SPECIES	TEST RESULTS
<b>Butane (CAS 106-97-8)</b>		
<b>ACUTE</b>		
<i>Inhalation</i>		
LC50	Mouse	680 mg/l, 2 Hours
	Rat	658 mg/l, 4 Hours
<b>Propane (CAS 74-98-6)</b>		
<b>ACUTE</b>		
<i>Inhalation</i>		
LC50	Rat	>1442.847 mg/l, 15 Minutes 658 mg/l/4h
<b>Sodium Nitrite (CAS 7632-00-0)</b>		
<b>ACUTE</b>		
<i>Inhalation</i>		
LC50	Rat	5.5 mg/l, 4 Hours
<i>Oral</i>		
LD50	Mouse	175 mg/kg
	Rabbit	186 mg/kg
	Rat	85 mg/kg
<i>Other</i>		
LD50	Mouse	158 mg/kg
	Rat	65 mg/kg

\*Estimates for product may be based on additional component data not shown.

<b>Skin corrosion/irritation:</b>	Prolonged skin contact may cause temporary irritation.
<b>Serious eye damage/eye irritation:</b>	Direct contact with eyes may cause temporary irritation.
<b>Respiratory or skin sensitization</b>	
<b>Respiratory sensitization:</b>	Not available.
<b>Skin sensitization:</b>	This product is not expected to cause skin sensitization.
<b>Germ cell mutagenicity:</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity:</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
<b>Reproductive toxicity:</b>	This product is not expected to cause reproductive or developmental effects.
<b>Specific target organ toxicity- Single exposure:</b>	Not classified.
<b>Specific target organ toxicity- Repeated exposure:</b>	Not classified.
<b>Aspiration hazard:</b>	Not likely, due to the form of the product.
<b>Chronic effects:</b>	N/A.



# SAFETY DATA SHEET

Product: MARC 156 STAIN MASTER

Form R04132

## SECTION 12: ECOLOGICAL INFORMATION

**Ecotoxicity:** Harmful to aquatic life with long lasting effects. Accumulation in aquatic organisms is expected.

COMPONENTS	SPECIES		TEST RESULTS
18 OZ. STAIN MASTER M-156 LB 12PK (CAS Mixture)			
Algae	IC50	Algae	11811.124 mg/L, 72 Hours, estimated
Crustacea	EC50	Daphnia	26376.5547 mg/l, 48 Hours, estimated
Fish	LC50	Fish	10370.373 mg/l, 96 Hours, estimated
<b>Sodium Nitrite (CAS 7632-00-0)</b>			
<b>Aquatic</b>			
Crustacea	EC50	Greasyback shrimp (Metapenaeus ensis)	16.14 – 26.61 mg/l, 48 Hours
Fish	LC50	Rainbow trout, Donaldson trout (Oncorhynchus mykiss)	0.15 – 0.25 mg/l, 96 Hours

\*Estimates for product may be based on additional component data not shown.

**Persistence and degradability:** No data is available on the degradability of this product.

**Bioaccumulative potential:** No data available.

**Partition coefficient n-octanol / water (log Kow)**

Propane	2.36
Butane	2.89

**Mobility in soil:** No data available.

**Other adverse effects:** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

## SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**LOCAL DISPOSAL REGULATIONS:** Dispose in accordance with all applicable regulations.

**HAZARDOUS WASTE CODE:** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**WASTE FROM RESIDUES/ UNUSED PRODUCTS:** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see Disposal instructions).

**CONTAMINATED PACKAGING:** Since emptied containers may retain product residue, follow label warnings even after container is emptied.



# SAFETY DATA SHEET

Product: MARC 156 STAIN MASTER

Form R04132

## SECTION 14: TRANSPORT INFORMATION

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

**CONTAINER SIZES(S):** Aerosol Can (18 oz.)  
**PROPER SHIPPING NAME:** CLEANING COMPOUND  
**HAZARD CLASS:** N/A  
**ID NUMBER:** None  
**PACKING GROUP:** None  
**LABEL STATEMENT:** LTD QTY

## SECTION 15: REGULATORY INFORMATION

**U.S. FEDERAL REGULATIONS:** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

**TSCA (TOXIC SUBSTANCE CONTROL ACT): Section 12(b) Export Notification (40 CFR 707, Subpt. D):** Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4):**  
Sodium Nitrite (CAS 7632-00-0) Listed.

**US. OSHA Specifically regulated Substances (29 CFR 1910.1001-1050):** Not listed.

**SARA 304 EMERGENCY RELEASE NOTIFICATION:** Not regulated.

### **SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (SARA)**

**Hazard categories**  
Immediate Hazard – Yes  
Delayed Hazard – Yes  
Fire Hazard – Yes  
Pressure Hazard – Yes  
Reactivity Hazard - No

**SARA 302 Extremely Hazardous Substance:** No

**SARA 311/312 Hazardous chemical:** No

### **Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List:** Not regulated.

**Clean Air Act (CAA) Section 112 (r) Accidental Release Prevention (40 CFR 68.130)**  
Butane (CAS 106-97-8)  
Propane (CAS 74-98-6)

**Safe Drinking Water Act (SDWA)** Not regulated.

**Drug Enforcement Administration (DEA), List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number:**  
Not listed.

**Food and Drug Administration (FDA):** Not regulated.



# SAFETY DATA SHEET

Product: MARC 156 STAIN MASTER

Form R04132

<u>Country(s) or region</u>	<u>Inventory name</u>	<u>On Inventory (yes/no)*</u>
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s).  
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

<b>SECTION 16: OTHER INFORMATION</b>
--------------------------------------

HMIS/NFPA Ratings: Health = 1  
Flammability = 2  
Reactivity = 0  
Other = -  
Protection = B

REVISION DATE: 05/19/15

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.