



SAFETY DATA SHEET

Product: MARC 550 BRAKE & PARTS CLEANER

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 550 BRAKE & PARTS CLEANER**

SDS DATE: 12/28/2018

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: Brake and Parts Cleaner.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

CLASSIFICATION: FLAMMABLE LIQUIDS - Category 2, SKIN CORROSION/IRRITATION - Category 2, SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A, SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) [Respiratory tract irritation] - Category 3, ASPIRATION HAZARD - Category 1



Signal word : Danger

Hazard statements : Highly flammable liquid and vapor. Causes serious eye irritation. Causes skin irritation. May be fatal if swallowed and enters airways. May cause respiratory irritation.

Precautionary statements

Prevention : Wear protective gloves. Wear eye or face protection. Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Avoid breathing vapor. Wash hands thoroughly after handling.

Response : IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Storage : Store locked up. Store in a well-ventilated place. Keep cool.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

General : Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

Hazards not otherwise classified: None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NO.	%
Light Aliphatic Solvent Naphtha (H)	64742-89-8	85% - 90%
Isopropyl	67-63-0	10% - 15%

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

SECTION 4: FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses if present. Continue to rinse for at least 10 minutes. Get medical attention if you are concerned, irritation develops and persists, or if you feel unwell.

SKIN: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.

INGESTION: Get medical attention if symptoms occur. Call a poison center or physician. Rinse mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. **DO NOT INDUCE VOMITING!** If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.



SAFETY DATA SHEET

Product: MARC 550 BRAKE & PARTS CLEANER

Form R04132

INHALATION: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if symptoms occur. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

MOST IMPORTANT SYMPTOMS/

EFFECTS, ACUTE & DELAYED:

POTENTIAL ACUTE HEALTH EFFECTS:

EYE: Causes serious eye irritation. **SKIN:** Causes skin irritation. **INHALATION:** May cause respiratory irritation. **INGESTION:** May be fatal if swallowed and enters airways. Irritating to mouth, throat and stomach. Aspiration hazard if swallowed. Can enter lungs and cause damage.

OVER-EXPOSURE SIGNS/SYMPTOMS:

EYE: Adverse symptoms may include the following: Pain or irritation, watering, redness. **SKIN:** Adverse symptoms may include the following: irritation, redness. **INHALATION:** Adverse symptoms may include the following: respiratory tract irritation, coughing. **INGESTION:** Adverse symptoms may include the following: nausea or vomiting.

INDICATION OF IMMEDIATE MEDICAL ATTENTION & SPECIAL TREATMENT NEEDED, IF NECESSARY:

NOTES TO PHYSICIAN: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SPECIFIC TREATMENTS: No specific treatment.

PROTECTION OF FIRST-AIDERS: No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

SECTION 5: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Use dry chemical, CO₂, water spray (fog) or foam.

UNSUITABLE EXTINGUISHING MEDIA: Do not use water jet as an extinguisher, as this will spread the fire.

SPECIAL FIRE FIGHTING PROCEDURES: Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

FIRE-FIGHTING EQUIPMENT/ INSTRUCTIONS:

Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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: Highly flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard.

HAZARDOUS DECOMPOSITION PRODUCTS: Decomposition products may include the following materials: Carbon dioxide, carbon monoxide.

SECTION 6: ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES/ PROTECTIVE EQUIPMENT:

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

ENVIRONMENTAL PRECAUTIONS: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).



SAFETY DATA SHEET

Product: MARC 550 BRAKE & PARTS CLEANER

Form R04132

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:

SMALL SPILL: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor. (See Section 13 Disposal Considerations.)

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING:

Wear protective gloves and eye protection. Avoid static electricity. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

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

STORAGE:

Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10 of SDS) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

Light Aliphatic Solvent Naphtha (H)

ACGIH TLV (United States).

TWA: 400 ppm

STEL: 500 ppm

OSHA PEL (United States).

TWA: 500 ppm

Isopropanol

ACGIH TLV (United States).

TWA: 200 ppm

STEL: 400 ppm

OSHA PEL (United States).

TWA: 400 ppm

APPROPRIATE ENGINEERING CONTROLS/ VENTILATION:

Use only with adequate ventilation.

RESPIRATORY PROTECTION:

Use a properly fitted, air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary.

EYE/FACE PROTECTION:

Wear safety eyewear.

SKIN PROTECTION/PROTECTIVE GLOVES:

Wear appropriate chemical resistant gloves.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT:

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

WORK HYGIENIC PRACTICES:

Wash hands, forearms and face thoroughly after handling of chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

PHYSICAL STATE/ FORM:

Liquid.

COLOR:

Colorless.

ODOR:

Organic chemicals.

ODOR THRESHOLD:

Not available.

pH:

Neutral.



SAFETY DATA SHEET

Product: MARC 550 BRAKE & PARTS CLEANER

Form R04132

MELTING POINT:	129°F
FREEZING POINT:	142°F
BURNING TIME/RATE:	Not applicable.
FLASH POINT/METHOD USED:	Closed Cup: -17.778°C (0°F).
EVAPORATION RATE:	9.1 compared with Butyl acetate.
FLAMMABILITY (solid, gas):	Not available
FLAMMABILITY LIMITS (%):	LOWER: 2% UPPER: 12%
VAPOR PRESSURE (mmHg):	6kPa (45 mm Hg) (at 20°C)
VAPOR DENSITY (AIR = 1):	2.9
RELATIVE DENSITY:	0.69 (Water = 1)
SPECIFIC GRAVITY (H2O = 1):	Not available.
SOLUBILITY:	Easily soluble in the following materials: diethyl ether. Soluble in the following materials: methanol, acetone. Partially soluble in the following materials: n-octanol. Insoluble in the following materials: cold water, hot water.
SOLUBILITY IN WATER:	Not available
PARTITION COEFFICIENT, n-OCTANOL/WATER:	Not available
AUTO-IGNITION TEMPERATURE:	750°F
DECOMPOSITION TEMPERATURE:	Not available
VISCOSITY:	Not available

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: No specific test data related to reactivity available for this product or its ingredients.

CHEMICAL STABILITY: Material is stable under normal conditions.

POSSIBILITY OF HAZARDOUS REACTIONS: Under normal conditions of storage and use, hazardous reactions will not occur.

CONDITIONS TO AVOID: Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.

INCOMPATIBILITY (MATERIAL TO AVOID): Reactive or incompatible with the following materials: oxidizing materials

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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

SECTION 11: TOXICOLOGICAL INFORMATION

INFORMATION ON TOXICOLOGICAL EFFECTS:

ACUTE TOXICITY: Not available.

IRRITATION/CORROSION: Not available.

SENSITIZATION: Not available.

MUTAGENICITY: Not available.

CARCINOGENICITY: Not available.

REPRODUCTIVE TOXICITY: Not available.

TERATOGENICITY: Not available.

SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE): Not available.

SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE): Not available.

ASPIRATION HAZARD: Not available.

LIKELY ROUTES OF EXPOSURE: Not available.



SAFETY DATA SHEET

Product: MARC 550 BRAKE & PARTS CLEANER

Form R04132

POTENTIAL ACUTE HEALTH EFFECTS:

EYES: Causes serious eye irritation.

SKIN: Causes skin irritation.

INGESTION: May be fatal if swallowed and enters airways. Irritating to mouth, throat and stomach. Aspiration hazard if swallowed. Can enter lungs and cause damage.

INHALATION: May cause respiratory irritation.

SYMPTOMS RELATED TO THE PHYSICAL, CHEMICAL AND TOXICOLOGICAL CHARACTERISTICS:

SHORT TERM EXPOSURE

Potential Immediate Effects: Not available.

Potential Delayed Effects: Not available.

LONG TERM EXPOSURE:

Potential Immediate Effects: Not available.

Potential Delayed Effects: Not available.

POTENTIAL CHRONIC HEALTH EFFECTS: Not available.

GENERAL: No known significant effects or critical hazards.
CARCINOGENICITY: No known significant effects or critical hazards.
MUTAGENICITY: No known significant effects or critical hazards.
TERATOGENICITY: No known significant effects or critical hazards.
DEVELOPMENTAL EFFECTS: No known significant effects or critical hazards.
FERTILITY EFFECTS: No known significant effects or critical hazards.

NUMERICAL MEASURES OF TOXICITY

ACUTE TOXICITY ESTIMATES: Not available.

SECTION 12: ECOLOGICAL INFORMATION

TOXICITY: Not available.

PERSISTENCE AND DEGRADABILITY: Not available.

BIOACCUMULATIVE POTENTIAL: Not available.

MOBILITY IN SOIL: Not available.

Soil/Water partition
Coefficient (Koc)

OTHER ADVERSE EFFECTS: No known significant effects or critical hazards.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

SECTION 14: TRANSPORT INFORMATION

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

CONTAINER SIZES(S): BULK
PROPER SHIPPING NAME: FLAMMABLE LIQUID, N.O.S. (CONTAINS ISOPROPANOL AND HEPTANE).
HAZARD CLASS: 3
ID NUMBER: UN1993



SAFETY DATA SHEET

Product: MARC 550 BRAKE & PARTS CLEANER

Form R04132

PACKING GROUP:	PG II
LABEL STATEMENT:	FLAMMABLE LIQUID
CONTAINER SIZES(S):	GALLONS, QTS, PAILS
PROPER SHIPPING NAME:	COMPOUND CLEANING LIQUID.
HAZARD CLASS:	NONE
ID NUMBER:	NONE
PACKING GROUP:	NONE
LABEL STATEMENT:	LTD QUANTITY

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS:

TSCA 8(a) CDR Exempt/Partial exemption: Not Determined.

United States Inventory (TSCA 8b): all components are listed or exempted.

Clean Water Act (CWA) 307: No products were found.

Clean Water Act (CWA) 311: No products were found.

Clean Air Act (CAA) 112 regulated flammable substances: No products were found.

Clean Air Act (CAA) 112 regulated toxic substances: No products were found.

**Clean Air Act Section 112:
(b) Hazardous Air
Pollutants (HAPs)** Not listed.

**Clean Air Act Section 602:
Class I Substances** Not listed.

**Clean Air Act Section 602:
Class II Substances** Not listed.

**DEA List I Chemicals:
(Precursor Chemicals)** Not listed.

**DEA List II Chemicals:
(Essential Chemicals)** Not listed.

**SARA 302/304:
Composition/Information on ingredients:** No products were found.

SARA 304 RQ: Not applicable.

**SARA 311/312
Classification:** Fire hazard
Immediate (acute) health hazard.
Delayed (chronic) health hazard.

SECTION 16: OTHER INFORMATION

HMIS/NFPA Ratings: Health = 1, Flammability = 3, Reactivity = 0.

REVISION DATE: 12/26/2018

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.