SAFETY DATA SHEET

Product: MARC 11 LEMON-LIME POWER OFF

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 11 LEMON-LIME POWER OFF**

SDS DATE: 08/21/2024

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: All-purpose cleaner.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Classification of this mixture in accordance with paragraph (d) of §1910.1200.

Skin Corrosion/Irritation Category 1B. Serious Eye Damage/Eye Irritation Category 1
Acute Oral Toxicity Category 4. Respiratory irritation SETOT Category 3.

SIGNAL WORD AND HAZARD STATEMENTS: DANGER: Harmful if swallowed, in contact with skin or if inhaled. Causes severe skin burns and serious eye damage. May cause respiratory irritation.

PRECAUTIONARY STATEMENTS: Do not breathe mist or vapors. Wash hands, face and any skin contacted thoroughly after handling. Do not eat or drink when using this product. Wear protective gloves, protective clothing, eye protection and face protection. Use only in a well-ventilated area.

POTENTIAL HEALTH EFFECTS: See Section 11 for more information.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Specific percentages may be claimed as a trade secret.

INGREDIENT	CAS NO.	WT. %
Sodium Metasilicate	6834-92-0	0.5-2%
2-Butoxyethanol	111-76-2	1-3%

SECTION 4: FIRST AID MEASURES

SYMPTOMS: Causes irritation or burning sensation. Causes severe skin burns and serious eye damage. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

SKIN: Remove contaminated clothing and wash before reuse. Wash contaminated area with soap and water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

INGESTION: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. **DO NOT INDUCE VOMITING** unless instructed to do so by poison center or physician. Do not give anything by mouth to a person who is unconscious or convulsing. If vomiting occurs, keep head below hips to reduce risk of aspiration. Probable mucosal damage may contraindicate the use of gastric lavage.

INHALATION: Move person to fresh air and monitor. If respiratory irritation or dizziness occurs, seek immediate medical assistance.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Probable mucosal damage may contraindicate the use of gastric lavage. Treat exposed patients symptomatically.

MEDICAL CONDITIONS AGGRAVATED: No data is available that addresses medical conditions aggravated by exposure to this product.

SECTION 5: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA: Not applicable. Product is not a fire hazard.

UNSUITABLE EXTINGUISHING MEDIA: High pressure water jet.

SPECIAL FIRE FIGHTING PROCEDURES: Fire fighters should wear appropriate protective equipment, including self-contained breathing apparatus and impervious clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

HAZARDOUS DECOMPOSITION PRODUCTS: None known.

SECTION 6: ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES: Depending on the extent of release, consider the need for emergency responders with adequate personal protective equipment for cleanup, need for evacuation or restriction to access of spill area.
LARGE SPILLS: Contain spill with inert material (sand, clay). Transfer material to labeled containers for recovery or proper disposal. After removal, flush area with water.
SMALL SPILLS: May be wiped up and rinsed with water.

ENVIRONMENTAL PRECAUTIONS:
WATER SPILL: Avoid discharges into open waterways.
LAND SPILL: Avoid discharge to soil.
AIR SPILL: NA = Not Applicable.

PROTECTIVE EQUIPMENT: Use personal protective devices as stated in Section 8.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: Same as EMERGENCY PROCEDURES. Dispose of in compliance with all federal, state and local laws and regulations.

SECTION 7: HANDLING AND STORAGE

GENERAL HANDLING: Read label before use. Wash hands, face and any skin contact thoroughly after handling. Do not eat, drink or smoke when using this product. If unsure about safe use, contact your supervisor. Use on a well-ventilated area. See Section 8 for personal protection.

OTHER PRECAUTIONS: **KEEP OUT OF REACH OF CHILDREN!! CAREFULLY READ ENTIRE LABEL BEFORE USE!**

STORAGE: Do not contaminate water, food or feed by storage and disposal. Store locked up in tightly closed original container in a cool (10° – 30° C), dry, well-ventilated area. Store in area inaccessible to children.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

INGREDIENT	CAS NO.	TLV
2-Butoxyethanol	111-76-2	20 ppm
Sodium Metasilicate	6834-92-0	3mg/m³

ENGINEERING CONTROLS/VENTILATION: Proper ventilation in accordance with good industrial hygiene should be provided.

RESPIRATORY PROTECTION: Respiratory protection is not necessary under normal conditions of use. If necessary to prevent exposure above occupational limits, use an approved cartridge style respirator.

EYES AND FACE PROTECTION: Chemical resistant goggles and face protection.

SKIN PROTECTION/PROTECTIVE GLOVES: Use water impervious gloves (latex or neoprene rubber). No breakthrough time has been established.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Protective clothing (long sleeves, pants), eyewash, safety shower are always advisable when working with chemicals.

WORK HYGIENIC PRACTICES: Wash hands thoroughly after cleanup, before eating, drinking, smoking or using toilet facilities. Always practice good housekeeping and hygienic measures.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE-	
PHYSICAL STATE:	Liquid
COLOR:	Green
ODOR:	Lemon-lime
ODOR THRESHOLD:	No data available.
pH:	12 – 13.0
MELTING POINT:	N/A
FREEZING POINT:	30°F
BOILING POINT:	212°F
FLASH POINT/METHOD USED:	None
EVAPORATION RATE:	Similar to water.
FLAMMABILITY (solid, gas):	Not Applicable.
FLAMMABILITY LIMITS:	No data available.
VAPOR PRESSURE (mmHg):	No data available
VAPOR DENSITY (AIR = 1):	No data available
RELATIVE DENSITY:	1.01
SPECIFIC GRAVITY (H2O = 1):	1.01
SOLUBILITY IN WATER:	Complete.
VISCOSITY:	Thin

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: No specific reactivity test data is available. Under normal conditions of storage and use, hazardous reactions are not expected.

STABILITY: This product is stable at ambient temperatures and pressures.

CONDITIONS TO AVOID: N/A

INCOMPATIBILITY (MATERIAL TO AVOID): Strong acids, oxidizers.

HAZARDOUS DECOMPOSITION OR BY-PRODUCTS: None known.

HAZARDOUS POLYMERIZATION: No **CONDITIONS TO AVOID (POLYMERIZATION):** NA

SECTION 11: TOXICOLOGICAL INFORMATION

2-Butoxyethanol: Oral LD-50 – Rat + 1,300 mg/kg.
Oral LD-50 – Guinea Pig = 1,400 mg/kg
Dermal LD – 50 Rat > 2,000 mg/kg
Dermal LD – 50 Guinea Pig > 2,000 mg/kg
Inhalation Vapors LC50 – Rat – 3 hours > 4.9 mg/l
Inhalation Vapors LC50 – Guinea Pig - 1 hour > 3.4 mg/l
Skin corrosion/irritation – Rabbit = irritating to skin.
Serious eye damage/eye irritation – Rabbit = irritating to the eyes.
Respiratory or skin sensitization – Guinea pig = did not cause sensitization.

Sodium Metasilicate: LD50 1,280 mg/kg (rat); 24,000 mg/kg (mouse).

EYES EFFECTS: Serious eye damage. Eye irritation.

SKIN EFFECTS: Severe skin burns. Irritation.

INGESTION: May be harmful if swallowed. Probable mucosal damage.

INHALATION: Do not breathe mist/vapors/spray. May cause respiratory irritation and or dizziness.

CARCINOGENS: Ingredients are not listed on the NTP Report on Carcinogens, IARC Monographs or by OSHA.

OTHER DATA: No other toxicological information is available for this mixture.

SECTION 12: ECOLOGICAL INFORMATION

This material has not been tested for acute environmental effects.

PERSISTENCE AND DEGRADABILITY: Material is not persistent. All organic components in this product are readily biodegradable.

BIO-ACCUMULATIVE POTENTIAL: No evidence to suggest bio-accumulation will occur.

MOBILITY: Accidental spillage may lead to penetration of soil and groundwater. However, due to degradability, no evidence suggests this would cause adverse ecological effects. Material will raise pH of affected area.

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Do not contaminate water, food or feed by disposal. If these wastes cannot be disposed of by use according to label directions, contact your State Pesticide or Environmental Control Agency, or the hazardous waste representative at the nearest EPA Regional Office for guidance. Rinse container promptly after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill. If container is one gallon or less, wrap empty container in plastic bag and discard in trash.

SECTION 14: TRANSPORT INFORMATION

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

CONTAINER SIZES(S): Drums, Pails
PROPER SHIPPING NAME: COMPOUNDS, CLEANING LIQUID (CONTAINS SODIUM METASILICATE).
HAZARD CLASS: 8
ID NUMBER: UN1760
PACKING GROUP: PGIII
LABEL STATEMENT: CORROSIVE
CONTAINER SIZES(S): Quarts, Gallons: Compound, Cleaning Liquid, Limited Quantity.

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

INVENTORY STATUS: All components are listed on TSCA (US), EINECS/ELINCS (EU), DSL (Canada), AICS (Australia), EMCS (Japan).

OSHA Hazard Communication Standard: This product is a "Hazardous Chemical".

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986 (EPCRA) Sections 311 and 312:

Immediate (Acute) Health Hazard:	Yes	**Delayed (Chronic) Health Hazard:**	No
Fire Hazard:	No	**Reactive Hazard:**	No
Sudden Release of Pressure Hazard:	No		

SECTION 16: OTHER INFORMATION

HMIS/NFPA Ratings:

Health =	1
Flammability =	0
Reactivity =	0
Other =	-
Protection =	-

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.