



SAFETY DATA SHEET

Product: **MARC 126 CITRUS BLAST**

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 126 CITRUS BLAST**

SDS DATE: 11/08/2024

SUPPLIER: Mid-American Research Chemical Corp. ADDRESS: P. O. Box 927 • Columbus, NE 68602-0927
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RECOMMENDED USE: Cleaning and degreasing compound.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Flam. Aerosol 1; Press. Gas (Liq.); Skin Irrit. 2; Eye Irrit. 2A; Skin Sens. 1B. **SIGNAL WORD: DANGER.** **Hazard statements:** Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.



Precautionary statements: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Avoid breathing vapors, spray. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Wear protective gloves and eye protection. If on skin: Wash with plenty of soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If skin irritation occurs: Get medical advice/attention. If skin irritation or rash occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. Wash contaminated clothing before reuse. Protect from sunlight. Store in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Dispose of contents/container to ensure all national/local regulations are observed.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Specific percentages and ingredients may be claimed as a trade secret.

<u>INGREDIENT</u>	<u>CAS NO.</u>	<u>% by WT.</u>
d-Limonene	94266-47-4	70 – 90
Alcohol Ethoxylate	68439-46-3	1 – 2.5
Alcohols, C12-13, ethoxylated	66455-14-9	0.1 – 1
Propane	74-98-6	10 – 20
Butane	106-97-8	2.5 – 10
Undeceth-5	34398-01-1	1 – 2.5

SECTION 4: FIRST AID MEASURES

First-aid measures general: If you feel unwell, seek medical advice (show the label where possible). **First-aid measures after inhalation:** If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. **First-aid measures after skin contact:** Take off immediately all contaminated clothing and wash it before reuse. Wash skin with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. **First-aid measures after eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. **First-aid measures after ingestion:** Rinse mouth with water. **Symptoms/effects:** If you feel unwell, seek medical advice. **Symptoms/effects after inhalation:** None under normal use. **Symptoms/effects after skin contact:** May cause an allergic skin reaction. **Symptoms/effects after eye contact:** Causes eye irritation. **Symptoms/effects after ingestion:** None under normal conditions. Treat symptomatically. Keep watching the victim. Symptoms may be delayed.

SECTION 5: FIRE FIGHTING MEASURES

Suitable extinguishing media: Foam. Carbon dioxide. Dry chemical powder. Water fog. **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:** May liberate toxic gases. Extremely flammable aerosol. **Explosion hazard:** Contains gas under pressure; may explode if heated. **Reactivity:** Upon combustion: CO and CO₂ are formed. **Advice for firefighters-- Firefighting instructions:** Exercise caution when fighting any chemical fire. In case of fire: Evacuate area. Fight fire remotely due to the risk of explosion. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water. **Protection during firefighting:** Do not enter fire area without proper protective equipment, including respiratory protection.



SAFETY DATA SHEET

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Form R04132

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures-- General measures: No flames, no sparks. Eliminate all sources of ignition. Isolate from fire, if possible, without unnecessary risk. Vapors may travel long distances along ground before igniting/flashing back to vapor source. **For non-emergency personnel-- Protective equipment:** Protective goggles. Gloves. Protective clothing. **Emergency procedures:** Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing. Ventilate spillage area. **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--** Avoid release to the environment. Prevent entry to sewers and public waters. **Methods and material for containment and cleaning up-- For containment:** Contain released product, collect/pump into suitable containers. **Methods for cleaning up:** This material and its container must be disposed of in a safe way, and as per local legislation.

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling-- Additional hazards when processed: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. **Precautions for safe handling:** Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing. Handle and open the container with care. Keep away from sources of ignition - No smoking. Use explosion-proof equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Do not spray on a naked flame or any incandescent material. Ground/bond container and receiving equipment. Use only outdoors or in a well-ventilated area. Do not re-use empty containers. **Hygiene measures:** Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. **Conditions for safe storage, including any incompatibilities-- Technical measures:** Comply with applicable regulations. Proper grounding procedures to avoid static electricity should be followed. Do not puncture, incinerate or crush. **Storage conditions:** Store locked up. **Incompatible products:** Oxidizing agent. Strong acids. **Incompatible materials:** Sources of ignition. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C. **Storage area:** Store away from heat. Store in a cool area. Store in a dry area. Store in a well-ventilated place. Keep locked up. Aerosol 3. **Special rules on packaging:** Keep only in original container and meet the legal requirements.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate engineering controls: Ensure adequate ventilation, especially in confined areas. 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:** Use appropriate personal protective equipment when risk assessment indicates this is necessary. Gloves. Safety glasses. Protective goggles. Protective clothing. **Hand protection:** Gloves. **Eye protection:** Avoid contact with eyes. Wear eye/face protection. **Skin and body protection:** Avoid contact with skin. Wear suitable 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. Keep away from food and drink. Use good personal hygiene practices. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Take off contaminated clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE-

PHYSICAL STATE: liquid, aerosol

COLOR: clear, colorless to pale yellow

ODOR: citrus

ODOR THRESHOLD: N/A

pH: N/A

MELTING/FREEZING POINT: N/D

BOILING POINT: N/D

FLASH POINT/METHOD USED: -104°F - propellant (est.)

EVAPORATION RATE: N/A

FLAMMABILITY (solid, gas): N/A

FLAMMABILITY LIMITS: N/A

VAPOR PRESSURE (mmHg): 30 - 45 psig @70°F (est.)

VAPOR DENSITY (AIR = 1): N/A

SPECIFIC GRAVITY (H₂O = 1): 0.87 to 0.91

VOC CONTENT: 85%



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SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: Upon combustion: CO and CO₂ are formed. **STABILITY:** Stable under normal conditions. Risk of ignition. **CONDITIONS TO AVOID:** Heat. Open flame. Sparks. Aerosol containers are unstable at temperatures above 49°C. **INCOMPATIBILITY (MATERIAL TO AVOID):** Strong oxidizing agents. Nitrates. Fluorine. Chlorine. **HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:** Under normal conditions of storage and use, hazardous decomposition products should not be produced. **HAZARDOUS POLYMERIZATION:** No. **CONDITIONS TO AVOID (POLYMERIZATION):** NA.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute toxicity : Not classified

d-Limonene (5989-27-5)

LD50 oral rat	> 2000 mg/kg bodyweight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Experimental value, Oral, 14 day(s))
LD50 dermal rabbit	> 5000 mg/kg bodyweight (Equivalent or similar to OECD 402, 24 h, Rabbit, Read-across, Dermal, 7 day(s))
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified

d-Limonene (5989-27-5)

IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
STOT-single & repeated exposure	: Not classified

Aspiration hazard: Not applicable
Symptoms/effects after inhalation: None under normal use.
Symptoms/effects after skin contact: May cause an allergic skin reaction.
Symptoms/effects after eye contact: Causes eye irritation.
Symptoms/effects after ingestion: None under normal conditions.
Likely routes of exposure: Inhalation; Skin and eyes contact

SECTION 12: ECOLOGICAL INFORMATION

d-Limonene (5989-27-5)

LC50 - Fish [1]	720 µg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value)
EC50 - Crustacea [1]	0.307 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Semi-static system, Fresh water, Experimental value, GLP)
LC50 - Fish [2]	702 µg/l Test organisms (species): Pimephales promelas
EC50 - Crustacea [2]	0.51 mg/l Test organisms (species): Daphnia magna

Persistence and degradability

d-Limonene (5989-27-5)	
Persistence and degradability	Readily biodegradable in water.
ThOD	3.29 g O ₂ /g substance

Bioaccumulative potential

d-Limonene (5989-27-5)	
BCF - Fish [1]	864.8 l/kg (BCFBAF v3.01, Pisces, QSAR, Fresh weight)
Partition coefficient n-octanol/water (Log Pow)	4.38 (Experimental value, Equivalent or similar to OECD 117, 37 °C)
Bioaccumulative potential	Potential for bioaccumulation (4 ≤ Log Kow ≤ 5).



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Form R04132

SECTION 13: DISPOSAL CONSIDERATIONS

Product/Packaging disposal recommendations: Dispose in a safe manner in accordance with local/national regulations. **Additional information:** Handle uncleaned empty containers as full ones. Do not re-use empty containers.

SECTION 14: TRANSPORT INFORMATION

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

CONTAINER SIZES(S): Aerosol can
PROPER SHIPPING NAME: CLEANING COMPOUND
HAZARD CLASS: N/A
ID NUMBER: N/A
PACKING GROUP: N/A
LABEL STATEMENT: LTD QTY

SECTION 15: REGULATORY INFORMATION

US Federal regulations: All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory. **California Proposition 65:** This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm.

SECTION 16: OTHER INFORMATION

HMIS/NFPA Ratings: Health = 1; Flammability = 2; Reactivity = 0.

N/A = Not Applicable, **N/D** = Not Determined, **N/E** = Not Established.

DISCLAIMER: This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such venders or users assume all risks associated with the use of this material.