



SAFETY DATA SHEET

Product: MARC 40 OJ CITRUS ALL PURPOSE CLEANER

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: MARC 40 OJ CITRUS ALL PURPOSE CLEANER

SDS DATE: 12/4/15

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

RECOMMENDED USE: All Purpose Cleaner.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

SIGNAL WORD AND PRECAUTIONARY STATEMENTS - WARNING: Causes eye and skin irritation. Do not take internally. Store in original container. Wear eye and face protection. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. IF SWALLOWED: Call a Poison Center or doctor/physician if you feel unwell. Rinse mouth. 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. IF ON SKIN: Wash with plenty of water. If skin irritation occurs, get medical attention. Take off contaminated clothing and wash before reuse. Dispose of in accordance with local, state and national regulations.



SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME	CAS NO.	%
Trisodium Phosphate	10101-89-0	3-8
d-Limonene	5989-27-5	1-5
Nonylphenol Polyethylene Glycol Ether	127087-87-0	3-8

Any concentration shown as a range is to protect confidentiality.

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. Continue to rinse for at least 10 minutes. Get medical attention.

SKIN: Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash contaminated clothing before reuse. Clean shoes thoroughly before reuse.

INGESTION: Wash out 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. **DO NOT INDUCE VOMITING** unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. 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.

INHALATION: Remove victim to fresh air and keep at rest in a position comfortable for breathing. 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 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.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

SPECIFIC TREATMENTS: No specific treatment.



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SECTION 5: FIRE FIGHTING MEASURES

- SUITABLE EXTINGUISHING MEDIA:** Use an extinguishing agent suitable for the surrounding fire.
- UNSUITABLE EXTINGUISHING MEDIA:** None known.
- SPECIAL FIRE FIGHTING PROCEDURES/ PROTECTIVE EQUIPMENT:** 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. Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
- UNUSUAL FIRE AND EXPLOSION HAZARDS:** In a fire or if heated, a pressure increase will occur and the container may burst.
- HAZARDOUS DECOMPOSITION PRODUCTS:** Decomposition products may include the following materials: carbon dioxide, carbon monoxide.

SECTION 6: ACCIDENTAL RELEASE MEASURES

- FOR NON-EMERGENCY PERSONNEL:** No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering.
- FOR EMERGENCY PROCEDURES:** Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".
- PROTECTIVE EQUIPMENT:** Use personal protective devices as stated in Section 8.
- METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP:**
Stop leak if without risk. Move containers from spill area. Dilute with water and mop up. Alternatively, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

SECTION 7: HANDLING AND STORAGE

- GENERAL/SAFE HANDLING:** Put on appropriate personal protective equipment (See Section 8). Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.
- OTHER PRECAUTIONS:** **KEEP OUT OF REACH OF CHILDREN!** Carefully read label before use. If medical advice is needed, have product container or label at hand.
- STORAGE:** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials and food and drink. Store locked up. Keep container lightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

- VENTILATION:** Use with adequate ventilation.
- EYE/FACE PROTECTION:** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes or mists.
- SKIN PROTECTION/PROTECTIVE GLOVES:** Chemical-resistant, impervious gloves complying with an approved standard should be worn.
- OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Personal protective equipment for the body, appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved.



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WORK HYGIENIC PRACTICES: Wash hands, forearms and face thoroughly after handling 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. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE-
PHYSICAL STATE/COLOR: Liquid, orange.
ODOR: Citrus.
ODOR THRESHOLD: Not available.
SOLUBILITY IN WATER: Complete.
SPECIFIC GRAVITY: 1.03 g/cm³
MELTING POINT: 0°C (32°F)
BOILING POINT: 100°C (212°F)
pH: 9-10
FLASH POINT/METHOD USED: None
EVAPORATION RATE: Not available.
FLAMMABILITY (solid, gas): Not available.
FLAMMABILITY LIMITS: None
VAPOR PRESSURE (mmHg): Not available
VAPOR DENSITY (AIR = 1): >1 [Air = 1]
PARTITION COEFFICIENT, n-OCTANOL/WATER: Not available.
AUTO-IGNITION TEMPERATURE: Not available.
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.

STABILITY: Stable

CONDITIONS TO AVOID: No specific data.

INCOMPATIBILITY (MATERIAL TO AVOID): No specific data.

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): N/A

SECTION 11: TOXICOLOGICAL INFORMATION

PRODUCT/INGREDIENT NAME	RESULT	SPECIES	EXPOSURE
d-Limonene	Skin – Mild irritant	Rabbit	300 microliters 24 hours 10 percent

ASPIRATION HAZARD

NAME	RESULT
d-Limonene	ASPIRATION HAZARD – Category 1



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SECTION 12: ECOLOGICAL INFORMATION

TOXICITY

PRODUCT/INGREDIENT NAME	RESULTS	SPECIES	EXPOSURE
d-Limonene	Acute ECO50 421 µg/l Fresh Water Acute ECO50 688 µg/l Fresh Water	Daphnia – Daphnia magna Fish – Pimephales promelas – Juvenile (Fledgling, Hatchling, Weanling) Algae – Pseudokirchneriella Subcapitata	48 hours 96 hours 96 hours

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): Drums, Gallons, Quarts
PROPER SHIPPING NAME: COMPOUND, CLEANING LIQUID.
HAZARD CLASS: None
ID NUMBER: None
PACKING GROUP: None
LABEL STATEMENT: None

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: All components are listed or exempted.

CLEAN AIR ACT SECTION 112 Not listed.
(b) Hazardous Air Pollutants (HAPs)

TSCA (TOXIC SUBSTANCE CONTROL ACT): N/A

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT): N/A

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT): N/A

SECTION 16: OTHER INFORMATION

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

REVISION DATE: 12/4/15

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.