



SAFETY DATA SHEET

Product: **MARC 309 CAR AND TRUCK WASH**

Form R04132

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NUMBER AND NAME: **MARC 309 CAR AND TRUCK WASH**

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: Car and truck wash.

PREPARED BY: MARC

SECTION 2: HAZARDS IDENTIFICATION

CLASSIFICATION: Serious eye damage/eye irritation category 2A, skin irritation category 2.



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. Wear protective gloves/ protective clothing/ eye protection/ face protection. **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 advice/attention. **IF exposed or concerned:** Get medical advice/attention. **IF ON SKIN (or hair):** Remove/ Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash before reuse. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/ container to an approved waste disposal plant.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture: Mixture

Chemical Name	%	CAS Number	TLV
Nonylphenol Ethoxylate	0.5-3	9016-45-9	N/A
2-Butoxy Ethanol	0.5-3	111-76-2	25
Alkanolamide Blend	0.5-2	Proprietary	N/A

The chemical identity and exact percentage of the composition has been withheld as it is a trade secret.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

SECTION 4: FIRST AID MEASURES

EYES: Rinse cautiously with water for several minutes occasionally lifting the upper and lower eyelids. Check for and remove contact lenses, if present and easy to do. Continue rinsing for at least 20 minutes. Get medical attention.

SKIN: Flush contaminated skin with plenty of water. Continue to rinse for at least 20 minutes. Get medical attention. Take off contaminated clothing and wash 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 if adverse health effects persist or are severe. Never give anything by mouth to and 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 adverse health effects persist or are severe. 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. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.



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Most Important Symptoms/Effects, Acute and Delayed

Potential Acute Health Effects

Eye Contact: Causes eye irritation.

Inhalation: No known significant effects or critical hazards.

Skin Contact: Causes skin irritation.

Ingestion: May be irritating to mouth, throat and stomach.

Over Exposure Signs/Symptoms:

Eye Contact: Adverse symptoms may include the following: Irritation, Watering, Redness.

Inhalation: No known significant effects or critical hazards.

Skin Contact: Irritation.

Ingestion: No known significant effects or critical hazards.

Indication of Immediate Medical Attention and Special Treatment Needed, If Necessary:

Notes To Physicians: 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. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

SECTION 5: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

Suitable extinguishing

Media: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing

Media: None

UNUSUAL FIRE AND EXPLOSION HAZARDS: No specific fire or explosion hazard.

HAZARDOUS DECOMPOSITION PRODUCTS: Decomposition products may include the following materials: Carbon dioxide, carbon monoxide, nitrogen oxides and hydrochloric acid.

Special protective actions

For firefighters: No special measures are required.

Special protective equipment

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

EMERGENCY PROCEDURES:

For non-emergency Personnel: No action shall be taken involving any personal risk for without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation
Emergency Responders: 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 above "For non –emergency personnel".

PROTECTIVE EQUIPMENT:

Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. See Section 8.



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METHODS AND MATERIALS FOR CONTAINMENT AND CLEANUP: SPILL: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (See Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

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).

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling

GENERAL HANDLING: **Protective Measures:** Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. 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.

PRECAUTIONS: **KEEP OUT OF REACH OF CHILDREN! Do not take internally! Wear eye and face protection. Wash hands thoroughly after handling.**

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 (See Section 10) and food and drink. Keep container tightly 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

Substance/mixture: Mixture

Chemical Name	%	CAS Number	TLV
Nonylphenol Ethoxylate	0.5-3	9016-45-9	N/A
2-Butoxy Ethanol	0.5-3	111-76-2	25
Alkanolamide Blend	0.5-2	Proprietary	N/A

The chemical identity and exact percentage of the composition has been withheld as it is a trade secret.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health and hence require reporting in this section.

Control Parameters

Occupational Exposure

Limits: None

ENGINEERING CONTROLS: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental Exposure

Controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

VENTILATION: None when used as directed.

RESPIRATORY PROTECTION: Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

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, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

SKIN PROTECTION/PROTECTIVE GLOVES: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to



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breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Personal protective equipment for the body, including appropriate footwear and any additional skin protection measures, should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. Ensure that eyewash stations and safety showers are close to the workstation location.

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. Wash contaminated clothing before reusing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE-

PHYSICAL STATE:	Liquid
COLOR:	Green
ODOR:	Mint
ODOR THRESHOLD:	Not available.
pH:	7-8
MELTING/FREEZING POINT:	32°F (0°C)
BOILING POINT/RANGE:	212°F (100°C)
FLASH POINT/METHOD USED:	None
EVAPORATION RATE:	>1 (Butyl acetate = 1)
FLAMMABILITY (solid, gas):	Not available.
FLAMMABILITY LIMITS:	Lower and Upper Explosive: Not available.
VAPOR PRESSURE (mmHg):	Not available.
VAPOR DENSITY (AIR = 1):	>1 [Air = 1]
RELATIVE DENSITY:	1.00
SPECIFIC GRAVITY (H₂O = 1):	1.00
SOLUBILITY IN WATER:	Easily soluble in the following materials: water.
PARTITION COEFFICIENT, n-OCTANOL/WATER:	Not available.
AUTO-IGNITION TEMPERATURE:	Not available.
DECOMPOSITION TEMPERATURE:	Not available.
VISCOSITY:	Thickened.

SECTION 10: STABILITY AND REACTIVITY

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

STABILITY: This product is stable.

CONDITIONS TO AVOID: No specific data.

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: Will not occur.

CONDITIONS TO AVOID (POLYMERIZATION): N/A

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Nonylphenol ethoxylate: LD50 Oral-Rat = 3310 mg/kg, LD50 Dermal Rabbit > 2000 mg/kg

Ethylene glycol monobutyl ether: 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

Irritation/Corrosion

Skin irritant

Sensitization



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Not a skin sensitizer(OECD 406)

Carcinogenicity

No components are listed as carcinogens by IARC, ACGIH, OSHA or NTP above the threshold of 0.1%

Specific Target Organ Toxicity (single exposure)

There is no data available

Aspiration Hazard

There is no data available

Information on the likely

Routes of exposure: Dermal contact. Eye contact. Inhalation. Ingestion.

Potential Acute Health Effects

EYES: Causes eye irritation.

SKIN: Causes skin irritation.

INGESTION: May be irritating to mouth, throat and stomach.

INHALATION: No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

EYE CONTACT: Adverse symptoms may include the following: Irritation, Watering, Redness.

INHALATION: No known significant effects or critical hazards.

SKIN CONTACT: No known significant effects or critical hazards.

INGESTION: No known significant effects or critical hazards.

Delayed and immediate effects and also chronic effects from short and long term exposure

Potential chronic health effects

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: There is no data available.

SECTION 12: ECOLOGICAL INFORMATION

Nonylphenol ethoxylate: Acute LC50-Fish = 1 to 10 mg/L, Exposure time = 96 hours

Ethylene glycol monobutyl ether: LC50-Fish = 220 mg/l, Exposure time = 96 hours

Alkanolamide blend: LC5-Fathead minnow (Pimephales promelas) = 205 mg/l, Static 96 hours

Persistence and Degradability: Readily Biodegradable (>60%, 28 days).

Bioaccumulative Potential: There is no data available.

Mobility in Soil

Soil/Water partition coefficient: Not available.



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Other adverse effects: No known significant effects or critical hazards

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state and national regulations. The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

SECTION 14: TRANSPORT INFORMATION

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

CONTAINER SIZES(S): Gallons
PROPER SHIPPING NAME: COMPOUND, CLEANING LIQUID
HAZARD CLASS: None
ID NUMBER: None
PACKING GROUP: None
LABEL STATEMENT: None

Transport in bulk according: Not available.
To Annex II of MARPOL
73/78 and the IBC Code

Special precautions for user: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS: **United States Inventory (TSCA):** All components are listed or exempted.

Clean Air Act Section 112: Not listed.
(b) Hazardous Air Pollutants (HAPS)
Clean Air Act Section 602: Not listed.
Class I Substances
Clean Air Act Section 602: Not listed.
Class II Substances
DEA List I Chemicals: Not listed.
(Precursor Chemicals)
DEA List II Chemicals: Not listed.
(Essential Chemicals)

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

SARA 302/304
Composition/Information on ingredients: Not listed.

SARA 311/312
Classification: Immediate (acute) health hazard.

313 REPORTABLE INGREDIENTS: N/A

Fire	Sudden	Reactive	Immediate	Delayed
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Hazard	Release of pressure		(acute) Health Hazard	(chronic) Health Hazard
No	No	No	Yes	No

SECTION 16: OTHER INFORMATION

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

REVISION DATE: 12/28/2018

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.