

AutoGeneral® Car Wash Shampoo --

Section 1. Supplier Information



AutoGeneral® c/o General Chemical Corp.

12336 Emerson Drive
Brighton, MI 48116
(248) 587-5600

Emergency Telephone: 1-800-424-9300

www.generalchem.com

Section 2. Hazardous Ingredients

<u>Hazardous Component(s)</u>	<u>CAS #</u>	<u>PEL TWA</u>	<u>PEL Ceiling</u>	<u>TLV TWA</u>	<u>TLV STEL</u>	<u>MFG Limits</u>	<u>WGT %</u>
Quaternary amine compound	Proprietary	N/E	N/E	N/E	N/E	N/E	< 10
Surfactant	68603-42-9	N/E	N/E	N/E	N/E	N/E	< 5
Tetrapotassium pyrophosphate	7320-34-5	5 mg/m3	15 mg/m	N/E	10 mg/m	N/E	< 5
Sodium Chloride	7647-14-5	N/E	N/E	N/E	N/E	N/E	< 5

N/A = Not Applicable; N/E = Not Established; * = Mists; # = Skin; ' = Respirable Dust; " = Total Dust; ^ = Vapor; ** = Fumes; C = Ceiling Limit

All components of this product are listed on the Toxic Substances Control Act (TSCA) Inventory and the Canadian Domestic Substances List (DSL), or are exempt from the listing.

Section 3. Hazards Identification

Primary Routes of Entry

Inhalation: YES
Skin: YES
Ingestion: NO

Hazardous Materials Information System (HMIS) Ratings

Health: 1
Fire: 0
Reactivity: 0
0 = Minimal
1 = Slight
2 = Moderate
3 = Serious
4 = Severe
* = Chronic Hazard

Signs of Symptoms of Exposure:

INHALATION: No effects of exposure expected. At very high concentrations only, this product may cause headache, nose and throat irritation, nausea and/or mental confusion.

SKIN: Prolonged or repeated contact can cause irritation.

EYES: Vapors are slightly uncomfortable. Splashes can be irritating, will cause painful burning or stinging of eyes and lids, watering of eyes and inflammation of conjunctiva.

INGESTION: Ingestion of large amounts causes gastric disturbances. Nausea and vomiting may result.

AutoGeneral® Car Wash Shampoo --

Chemical Listed as Potential Carcinogens:

NTP: NO

IARC: NO

OSHA: NO

Target Organs: Eyes and skin.

Section 4. Emergency And First Aid Procedures

INHALATION: If adverse effects such as dizziness, nausea, or irritation are noted, move person to fresh air. If not breathing, give artificial respiration. Get medical attention!

SKIN: Immediately wash skin with large amounts of soap and water. Remove contaminated clothing and shoes; wash before reuse. Get medical attention if irritation persists after washing.

EYES: Flush eyes immediately with water for at least 15 minutes. If irritation persists, call a physician.

INGESTION: Call a physician or emergency medical facility immediately!

Section 5. Fire Fighting Measures

Flash Point: > 200°F

Method Used: Pensky-Martens Closed Cup

Flammable Limits in Air % by Volume: LEL: N/E

UEL: N/E

Extinguisher Media: Use media appropriate for surrounding fire.

Special Fire Fighting Procedures: Wear a self-contained breathing apparatus when fighting fire in an enclosed area.

Unusual Fire And Explosion Hazards: Low fire hazard when exposed to heat and flame. Product is not flammable or combustible.

Section 6. Accidental Release Measures

If material is spilled, absorb with sand, earth, or similar inert material. Place in closed, labeled containers for proper disposal.

CERCLA (Superfund) Reportable Quantity (in lbs None).

Section 7. Handling and Storage

Handling: Avoid contact with skin and eyes; wash thoroughly after handling. Avoid breathing vapor; use with adequate ventilation.

Storage: KEEP FROM FREEZING! Store in a dry location at room temperature. Keep container closed and maintain all original markings and labels.

Other: Do not reuse container without recycling or reconditioning. Handle empty containers as if they were full.

Section 8. Exposure Controls and Personal Protection

Respiratory Protection: Use NIOSH / MSHA approved respirator where high vapor or mist concentrations are present.

Local Exhaust: None normally required. Local exhaust may be needed under special circumstances such as poorly ventilated areas, evaporation from large surfaces, spraying, heating, etc.

Mechanical Exhaust: Mechanical ventilation should be sufficient to maintain exposure levels below exposure limits.

Protective Gloves: Wear chemical resistant gloves.

Eye Protection: Safety glasses with side shields. Do NOT wear contact lenses. Chemical goggles and/or faceshield should be worn where splashing is possible.

AutoGeneral® Car Wash Shampoo --

Other Protection: Eye wash and safety shower should be readily available.
Hygienic Practices: Avoid contact with skin and avoid breathing vapors or mist. Do not eat, drink, or smoke while using this product. Wash up prior to eating, drinking, or using the restroom.

Section 9. Physical and Chemical Properties

Boiling Point:	> 212 °F	Degree of water solubility:
Specific Gravity (H ₂ O=1):	1.05-1.06	Negligible = Less than 0.1%
Vapor Pressure (mm Hg):	Similar to water.	Slight = 0.1% - 1%
Vapor Density (air=1)	Similar to water.	Moderate = 1% - 10%
Solubility in Water:	Complete.	Appreciable = More than 10%
Reactivity in Water:	None.	Complete = 100%
Weight per Gallon (lb/gal):	8.7 - 8.9 lbs/gal	
% Volatile by Volume:	80-82%	
% Solid by Weight:	18-20%	
Appearance and Odor:	Clear, purple liquid with a mild odor.	
Theoretical VOC: (>0.1 mm Hg @ 20 ° C)	0 lbs/gal	
Analytical VOC : (EPA method 24)	0.2 - 0.4 lbs/gal	
pH:	12 - 12.5	

Section 10. Stability and Reactivity

Stability: Stable. Hazard Polymerization: Will not occur.
Conditions to Avoid: None known.
Incompatibility (Materials to Avoid): Strong oxidizing agents.
Hazardous Decomposition Products: Oxides of carbon.

Section 11. Toxicological Information

Surfactant [CASRN 068603-42-9]

ACUTE TOXICITY

Oral LD50 (rat) = 12,400 microliters/kg

AutoGeneral® Car Wash Shampoo --

Tetrapotassium pyrophosphate [CASRN 007320-34-5]

ACUTE TOXICITY Oral LD50 (rat) = 2,980 mg/kg Eye irritation (rabbit): 11.1/110.0; moderately irritating

Dermal LD50 (rabbit) > 7,940 mg/kg Skin Irritation (rabbit): 0.5/8.0 (24-hr. exposure); practically non-irritating

Sub-chronic: Following repeated exposure (13-weeks) to this product in their food, kidney damage with changes in body weight, food consumption, clinical parameters and organ weights were reported at high-dose levels in rats.

The dry material may cause foreign body irritation in some individuals. Prolonged contact with the dry material may cause drying or chapping of the skin. Excessive inhalation of dust may be annoying and can mechanically impede respiration. [0,8-19,15-062300]

Sodium Chloride [CASRN 007647-14-5]

ACUTE TOXICITY

Oral LD50 (rat) = 3,000 mg/kg Skin LD50 (rabbit) > 10 g/kg

Inhalation LC50 (rat) >42 g/m³/1H

Section 12. Ecological Information

Quaternary amine compound [CASRN Proprietary]

ECOTOXICITY 96 hr LC50 (rainbow trout) = 30 mg/l 72 hr EC50 (algal) = 0.5 mg/l

48 hr EC50 (daphnia) = 13 mg/l [0,10-1,C,C,G-020201]

Tetrapotassium pyrophosphate [CASRN 007320-34-5]

ECOTOXICITY 96 hr - LC50 (rainbow trout) > 100mg/l, practically non-toxic 48 hr - EC50 (daphnia magna) > 100 mg/l, practically non-toxic

96 hr - LC50 (mysid shrimp) > 100mg/l, practically non-toxic

This product is considered to have low toxicity to aquatic and estuarine species. Inorganic phosphates, including this product, at high concentrations in the environment have the potential to cause eutrophication in aquatic systems. This condition is characterized by excessive algal growth, and subsequent decreases in oxygen levels. In general, proper use and disposal of this product should pose no adverse ecological risk. [0,8-19,15-062300]

Section 13. Disposal Considerations

Waste Disposal Methods (Federal, State, Local):

In accordance with all federal, state and local requirements.

RCRA Hazardous Waste Number: N/A

Section 14. Transport Information

Hazardous Material Description:

(Proper shipping name, hazard class, hazard ID#, packing group)

Domestic ground non-bulk: NOT REGULATED

Domestic ground bulk: NOT REGULATED

International: NOT REGULATED

AutoGeneral® Car Wash Shampoo --

Section 15. Regulatory Information

SARA 313 Information This product contains the following chemical(s) above de minimis concentrations and may be subject to reporting under section 313:
None above de minimis levels.

Section 16. Other Information

This MSDS contains revisions in the following sections: New product

Prepared by: Andrew J. Thomas Chemist

Revised by:

The development of this Material Safety Data Sheet (MSDS) relies upon information provided to us by each of our raw material suppliers. This MSDS will be updated as changes occur to their MSDS(s). We believe the recommendations and technical information contained herein to be accurate. However, they are given without warranty or guarantee, expressed or implied, and we assume no responsibility for losses or damage, direct or indirect, as a result of their use.