Material Safety Data Sheet

Section 1. Identification

Manufacturer:

AutoRenu
308 E Market St.
New Albany, IN 47150
(855)275-2788
(800)424-9300

In an Emergency contact:

1-800-424-9300

Product Identification: **All Purpose Cleaner**

Section 2. Hazard(s) Identification

Hazard Class & Category Codes	Hazard Statement Codes	Pictograms & Signal Word
Health	H302: Harmful if swallowed	
Health	H316: Causes mild skin irritation	
Health	H320: Causes eye irritation	

Precautionary Statements Codes	Precautionary Statements
1/2	Keep locked up and out of the reach of children.
13	Keep away from food, drink and animal feedingstuffs.
24/25	Avoid contact with skin and eyes.
36/37	Wear suitable protective clothing and gloves.
45/46	In case of accident or if you feel unwell, or if swallowed, seek medical advice immediately and show this container or label.

Section 3. Composition/Information on Ingredients

Component Name	CAS Number	EC Number	Percentage
Water	7732-18-5	231-791-2	Balance
Sodium Metasilicate Penta Hydrate	6834-92-0	229-912-9	.5-1.5%
Tetrapotassium Pyrophosphate	7320-34-5	230-785-7	.02-.05%
Non Ionic Surfactant	Mixture	N/A	6-8%
Sodium Hydroxide	1310-73-2	N/A	3-5%

Section 4. First Aid Measures

Eyes: Flood with large amounts water at least 20 min.; get immediate medical attention if irritation persists. Can cause irritation, redness, tearing, and blurred vision.
Skin: Flush exposed area with water. Remove all contaminated clothing. Prolonged or repeated contact can cause moderate irritation.
Inhalation: If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, calm, and get medical attention.
Oral: If swallowed, induce vomiting. Vomiting can be induced with syrup of Ipecac. Give fluids until the vomitus is clear. Get medical attention.

Section 5. Fire Fighting Measures

Flash Point: 250°F
Autoignition Temperature: Not determined
Flammability Limits in Air: Not determined
Extinguishing Media: Carbon dioxide (CO2) water spray. Dry chemical foam can be used to cool fire-exposed containers.
Fire Fighting Procedure: Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. Evacuate area in case of overheating or fire. Vapors are heavier than air and may travel to a source of ignition and flash back. Static electricity will accumulate and may ignite vapors.
Hazardous Decomposition Products: Carbon oxides and various hydrocarbons.

Section 6. Accidental Release Measures

Containment/Clean Up: Sections 13 and 15 of this MSDS provide information regarding certain Federal and local requirements. Collect for disposal. Clean up remaining materials from spill with suitable absorbent. For large spills provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean area as appropriate as some silicone material, even in small quantities, may present a slip hazard. Final cleaning may require steam, solvents or detergents. Observe all personal protection equipment recommendations described in Sections 5 and 8 of this MSDS. Observe all Federal and government regulations that may apply to the cleanup of this material.

Section 7: Handling and Storage

Handling (Personnel): Avoid contact with oxidizing agents. Spilled substance increases risk of slippage.
Storage: Keep container tightly closed.

Section 8: Exposure Controls and Personal Protection

Engineering Controls:

Local Exhaust: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

General exhaust: Recommended

Personal Protective Equipment for Routine Handling:

Eyes: Use proper protection – safety glasses as a minimum.

Skin: Washing at meal time and end of shift is adequate.

Suitable Gloves: butyl rubber protection gloves

Inhalation: If spraying or other operations that generate an aerosol mist are conducted, respiratory protection for exposed personnel is recommended.

Precautionary Measures: Avoid eye contact.

Section 9: Physical and Chemical Properties:

Physical Form:	Liquid	Viscosity:	Not determined
Color:	Fluorescent Green	Melting Point:	Not determined
Odor:	Slight	Boiling Point:	Not determined
Specific Gravity @ 25° C:	1.01	Flash Point:	250° F
Solubility in Water:	Soluble	Vapor Pressure @ 25° C	Not determined
VOC content (% by weight)	0.001-0.005%	pH:	11.5 - 12

Section 10: Stability and Reactivity

Chemical Stability: Stable

Hazardous Polymerization: Will not polymerize

Conditions to Avoid: None known

Materials to Avoid: Strong oxidizing agents and strong acids.

Section 11: Toxicological Information

None known

Section 12: Ecological Information

None known

Section 13: Disposal Considerations

Landfill and/or incinerate where permitted in compliance with all applicable Federal, State and local government regulations.

Section 14: Transportation Information

DOT Road Shipment Information (49 CFR 172.101)

Non-Regulated. Keep away from food stuffs.

Section 15: Regulatory Information

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200. This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

TSCA Status:	All chemical substances in this material are included on or exempted from listing on the TSCA inventory of chemical substances.		
EPA SARA Title III Chemical Listings	Section 302 Extremely Hazardous Substances	None	
	Section 304 CERCLA Hazardous Substances	None	
	Section 312 Hazard Class	Acute	No
		Chronic	No
		Fire	No
		Pressure	No
		Reactive	No
	Section 313 Toxic Chemicals	None	
Supplemental State Compliance Information	None		

Section 16: Other Information

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. Any material supplied is the sole responsibility of the user. All materials may present unknown health hazards and we cannot guarantee that the hazards listed herein are the only hazards that exist.

Safety Data Sheet

Section 1. Identification

Manufacturer:

AutoRenu
308 E Market St
New Albany, IN 47150
(855) 275-2788
(800) 424-9300

Product Identification: **Waterless Wash and Wax**

Suggested Use: Use to clean and maintain appearance of exterior vehicle surfaces.

Section 2. Hazard(s) Identification

Hazard Class & Category Codes	Hazard Statement Codes	Pictograms & Signal Word
None	None	None

Precautionary Statements Codes	Precautionary Statements
P101	If medical advice is needed, have product container or label at hand
P102	Keep out of reach of children
P103	Read label before use
P501	Dispose of contents/container to approved waste facility

Section 3. Composition/Information on Ingredients

Component Name	CAS Number	EC Number	Percentage
Water	7732-18-5	231-791-2	Balance
Polydimethylsiloxane	63148-62-9	N/A	1 1/2-3%

Section 4. First Aid Measures

Eyes: Flood with large amounts water at least 20 min.; get immediate medical attention if irritation persists. Can cause irritation, redness, tearing, and blurred vision.

Skin: Flush exposed area with water. Remove all contaminated clothing. Prolonged or repeated contact can cause moderate irritation.

Inhalation: If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, calm, and get medical attention.

Oral: If swallowed, induce vomiting. Vomiting can be induced with syrup of Ipecac. Give fluids until the vomitus is clear. Get medical attention.

Section 5. Fire Fighting Measures

Flash Point: 225°F
Autoignition Temperature: Not determined
Flammability Limits in Air: Not determined
Extinguishing Media: Carbon dioxide (CO2) water spray. Dry chemical foam can be used to cool fire-exposed containers.
Fire Fighting Procedure: Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. Evacuate area in case of overheating or fire. Vapors are heavier than air and may travel to a source of ignition and flash back. Static electricity will accumulate and may ignite vapors.
Hazardous Decomposition Products: May form toxic material, carbon dioxide, carbon monoxide, various hydrocarbons, etc.

Section 6. Accidental Release Measures

Containment/Clean Up: Sections 13 and 15 of this MSDS provide information regarding certain Federal and local requirements. Collect for disposal. Clean up remaining materials from spill with suitable absorbent. For large spills provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean area as appropriate as some silicone material, even in small quantities, may present a slip hazard. Final cleaning may require steam, solvents or detergents. Observe all personal protection equipment recommendations described in Sections 5 and 8 of this MSDS. Observe all Federal and government regulations that may apply to the cleanup of this material.

Section 7: Handling and Storage

Handling (Personnel): Avoid contact with strong oxidizing agents. Spilled substance increases risk of slippage.
Storage: Keep container tightly closed.

Section 8: Exposure Controls and Personal Protection

Engineering Controls:

Local Exhaust: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

General exhaust: Recommended

Personal Protective Equipment for Routine Handling:

Eyes: Use proper protection – safety glasses as a minimum.

Skin: Washing at meal time and end of shift is adequate.

Suitable Gloves: butyl rubber protection gloves

Inhalation: If spraying or other operations that generate an aerosol mist are conducted, respiratory protection for exposed personnel is recommended.

Precautionary Measures: Avoid eye contact.

Section 9: Physical and Chemical Properties:

Physical Form:	Liquid	Viscosity:	145 mm2/s
Color:	Blue	Melting Point:	Not determined
Odor:	Slight Tropical	Boiling Point:	Not determined
Specific Gravity @ 25C:	0.865	Flash Point:	225° F
Solubility in Water:	Soluble	Vapor Pressure @ 25°C	Not determined
VOC content (% by weight)	0%	pH:	6-7.5

Section 10: Stability and Reactivity

Chemical Stability: Stable

Hazardous Polymerization: Will not polymerize

Conditions to Avoid: None known

Materials to Avoid: Strong oxidizing agents.

Section 11: Toxicological Information

Acute Toxicity:	No evidence for acute toxicity
Chronic:	Unknown
Eyes:	No data available
Skin:	No data available
Sensitization:	Not a known sensitizer
Mutagenicity:	No evidence for mutagenicity
Carcinogenicity:	Contains no ingredients classified as carcinogens by IARC, NTP or OSHA
Reproductive Toxicity:	No known reproductive toxicity
Target Organs:	None known
Aspiration Hazard:	No data available

Section 12: Ecological Information

Fish:	No data available
Daphnia:	No data available
Algae:	No data available

Section 13: Disposal Considerations

Landfill and/or incinerate where permitted in compliance with all applicable Federal, State and local government regulations.

Section 14: Transportation Information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

Non-Regulated. Keep away from food stuffs.

Section 15: Regulatory Information

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200. This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

TSCA Status:	All chemical substances in this material are included on or exempted from listing on the TSCA inventory of chemical substances.		
EPA SARA Title III Chemical Listings	Section 302 Extremely Hazardous Substances	None	
	Section 304 CERCLA Hazardous Substances	None	
	Section 312 Hazard Class	Acute	No
		Chronic	No
		Fire	No
		Pressure	No
		Reactive	No
	Section 313 Toxic Chemicals	None	
Supplemental State Compliance Information	None		

Section 16: Other Information

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. Any material supplied is the sole responsibility of the user. All materials may present unknown health hazards and we cannot guarantee that the hazards listed herein are the only hazards that exist.

Safety Data Sheet

Section 1. Identification

Manufacturer:

AutoRenu
308 E Market St
New Albany, IN 47150
(855) 275-2788
(800) 424-9300

Product Identification: **Wash Soap**

Suggested Use: Use to wash exterior vehicle surfaces

Section 2. Hazard(s) Identification

Hazard Class & Category Codes	Hazard Statement Codes	Pictograms & Signal Word
Skin Irrit. 3	H314: Causes mild skin irritation	 Warning
Eye Irrit. 2A	H320: Causes eye irritation	

Precautionary Statements Codes	Precautionary Statements
P101	If medical advice is needed, have product container or label at hand
P102	Keep out of reach of children
P103	Read label before use
P264	Wash hands thoroughly after use
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P405	Store locked up
P501	Dispose of contents/container to approved waste facility

Section 3. Composition/Information on Ingredients

Component Name	CAS Number	EC Number	Percentage
Water	7732-18-5	231-791-2	Balance
Proprietary surfactant blend	N/A	N/A	34-37%
Sodium Chloride	231-598-3	7647-14-5	1-2%

Section 4. First Aid Measures

Eyes: Flood with large amounts water at least 20 min.; get immediate medical attention if irritation persists. Can cause irritation, redness, tearing, and blurred vision.

Skin: Flush exposed area with water. Remove all contaminated clothing. Prolonged or repeated contact can cause moderate irritation.
Inhalation: If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, calm, and get medical attention.
Oral: If swallowed, Do Not induce vomiting. If a large amount is ingested, get medical attention.

Section 5. Fire Fighting Measures

Flash Point: 212°F
Autoignition Temperature: Not determined
Flammability Limits in Air: Not determined
Extinguishing Media: Carbon dioxide (CO2) water spray. Dry chemical foam can be used to cool fire-exposed containers.
Fire Fighting Procedure: Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. Evacuate area in case of overheating or fire. Vapors are heavier than air and may travel to a source of ignition and flash back. Static electricity will accumulate and may ignite vapors.
Hazardous Decomposition Products: Carbon oxides and various hydrocarbons.

Section 6. Accidental Release Measures

Containment/Clean Up: Sections 13 and 15 of this MSDS provide information regarding certain Federal and local requirements. Collect for disposal. Clean up remaining materials from spill with suitable absorbent. For large spills provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean area as appropriate as some silicone material, even in small quantities, may present a slip hazard. Final cleaning may require steam, solvents or detergents. Observe all personal protection equipment recommendations described in Sections 5 and 8 of this MSDS. Observe all Federal and government regulations that may apply to the cleanup of this material.

Section 7: Handling and Storage

Handling (Personnel): Avoid contact with oxidizing agents. Spilled substance increases risk of slippage.
Storage: Keep container tightly closed.

Section 8: Exposure Controls and Personal Protection

Engineering Controls:

Local Exhaust: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

General exhaust: Recommended

Personal Protective Equipment for Routine Handling:

Eyes: Use proper protection – safety glasses as a minimum.

Skin: Washing at meal time and end of shift is adequate.

Suitable Gloves: butyl rubber protection gloves

Inhalation: If spraying or other operations that generate an aerosol mist are conducted, respiratory protection for exposed personnel is recommended.

Precautionary Measures: Avoid eye contact.

Section 9: Physical and Chemical Properties:

Physical Form:	Viscous Liquid	Viscosity:	Not determined
Color:	Blue	Melting Point:	Not determined
Odor:	Clean Fragrance	Boiling Point:	Not determined
Specific Gravity @ 25C:	1.4	Flash Point:	212° F
Solubility in Water:	Soluble	Vapor Pressure @ 25° C	Not determined
VOC content (% by weight)	0%	pH:	7-9

Section 10: Stability and Reactivity

Chemical Stability: Stable

Hazardous Polymerization: Will not polymerize

Conditions to Avoid: None known

Materials to Avoid: Strong oxidizing agents.

Section 11: Toxicological Information

Acute Toxicity:	Irritation to eyes and skin
Chronic:	Unknown
Eyes:	No data available
Skin:	LD50, Rat: >2,000 mg/kg
Sensitization:	Not a known sensitizer
Mutagenicity:	No evidence for mutagenicity
Carcinogenicity:	Contains no ingredients classified as carcinogens by IARC, NTP or OSHA
Reproductive Toxicity:	No known reproductive toxicity
Target Organs:	None known
Aspiration Hazard:	No data available

Section 12: Ecological Information

Fish:	No data available
Daphnia:	No data available
Algae:	No data available

Section 13: Disposal Considerations

Landfill and/or incinerate where permitted in compliance with all applicable Federal, State and local government regulations.

Section 14: Transportation Information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

Section 15: Regulatory Information

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200. This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

TSCA Status:	All chemical substances in this material are included on or exempted from listing on the TSCA inventory of chemical substances.		
EPA SARA Title III Chemical Listings	Section 302 Extremely Hazardous Substances	None	
	Section 304 CERCLA Hazardous Substances	None	
	Section 312 Hazard Class	Acute	No
		Chronic	No
		Fire	No
		Pressure	No
		Reactive	No
	Section 313 Toxic Chemicals	None	
Supplemental State Compliance Information	None		

Section 16: Other Information

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. Any material supplied is the sole responsibility of the user. All materials may present unknown health hazards and we cannot guarantee that the hazards listed herein are the only hazards that exist.

Safety Data Sheet

Section 1. Identification

Manufacturer:

AutoRenu
308 E Market St
New Albany, IN 47150
(855) 275-2788
(800) 424-9300

In an Emergency contact:

1-800-424-9300

Product Identification: **Wheel Cleaner**

Suggested Use: Use to clean raw aluminum wheels, parts and accessories

Section 2. Hazard(s) Identification

Hazard Class & Category Codes	Hazard Statement Codes	Pictograms & Signal Word
Physical	H290May be corrosive to metals	 Danger
Health	H310: Fatal in contact with skin	
Health	H314: Causes severe skin burns and eye damage	
Health	H332: Harmful if inhaled	

Precautionary Statements Codes	Precautionary Statements
P101	If medical advice is needed, have product container or label at hand
P102	Keep out of reach of children
P103	Read label before use
P264	Wash hands thoroughly after use
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P302+352	IF N SKIN: Wash with soap and water
305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P404	Store in a closed container
P501	Dispose of contents/container to approved waste facility

Section 3. Composition/Information on Ingredients

Component Name	CAS Number	EC Number	Percentage
Water	7732-18-5	231-791-2	Balance
Sulfuric Acid	7664-93-9	231-639-5	32-35%
Ammonium Biluoride	7664-39-3	N/A	6-9%
Surfactant	Mixture	N/A	7-10%

Section 4. First Aid Measures

Eyes: Flood with large amounts water at least 20 min.; get immediate medical attention if irritation persists. Can cause irritation, redness, tearing, and blurred vision.

Skin: Flush exposed area with water. Remove all contaminated clothing. Prolonged or repeated contact can cause moderate irritation.

Inhalation: If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, calm, and get medical attention.

Oral: If swallowed, DO NOT vomiting. Rinse mouth with water. Do not give milk or alcoholic beverages Get medical attention.

Most important symptoms and effects, both acute and delayed

: Fatal in contact with skin. Causes serious eye damage. Harmful if inhaled. Causes severe burns. This product contains hydrofluoric acid (HF). Acute local effects from HF exposure are concentration-dependent. If untreated or exposure is prolonged, even dilute solutions of HF can cause delayed toxicity following penetration to subcutaneous tissue. Acute systemic toxicity is largely dependent upon the total amount of fluoride ion absorbed. Thus ingestion, skin contact or significant inhalation can cause severe systemic effects including electrolyte (calcium, magnesium, potassium) and acid-base abnormalities with resulting cardiovascular effects. Exposure of >5% of the body surface area with any concentration of HF may predispose the patient to development of hypocalcemia. Chronic exposure to less than acutely toxic amounts of HF is a low toxicity hazard. Repeated exposure and absorption of 10-80 mg of fluoride per day may produce systemic fluorosis.

Section 5. Fire Fighting Measures

Flash Point: 225°F

Autoignition Temperature: Not determined

Flammability Limits in Air: Not determined

Extinguishing Media: Carbon dioxide (CO2) water spray. Dry chemical foam can be used to cool fire-exposed containers.

Fire Fighting Procedure: Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. Evacuate area in case of overheating or fire. Vapors are heavier than air and may travel to a source of ignition and flash back. Static electricity will accumulate and may ignite vapors.

Hazardous Decomposition Products: May form toxic material, carbon dioxide, carbon monoxide, various hydrocarbons, etc.

Section 6. Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Ensure adequate ventilation. Avoid breathing dust. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

Environmental precautions

Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up

Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Handling (Personnel): Avoid contact with strong oxidizing agents. Spilled substance increases risk of slippage.

Storage: Keep container tightly closed.

Section 8: Exposure Controls and Personal Protection

Engineering Controls:

Local Exhaust: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

General exhaust: Recommended

Personal Protective Equipment for Routine Handling:

Eyes: Use proper protection – safety glasses as a minimum.

Skin: Washing at meal time and end of shift is adequate.

Suitable Gloves: butyl rubber protection gloves

Inhalation: If spraying or other operations that generate an aerosol mist are conducted, respiratory protection for exposed personnel is recommended.

Precautionary Measures: Avoid eye contact.

Section 9: Physical and Chemical Properties:

Physical Form:	Liquid	Viscosity:	145 mm2/s
Color:	Clear	Melting Point:	Not determined
Odor:	Slight Solvent Odor	Boiling Point:	638.6° F
Specific Gravity @ 25C:	0.865	Flash Point:	Not determined
Solubility in Water:	Soluble	Vapor Pressure @ 25° C	Not determined
VOC content (% by weight)	1-3%	pH:	Not determined

Section 10: Stability and Reactivity

Chemical Stability: Stable
Hazardous Polymerization: Will not polymerize
Conditions to Avoid: None known
Materials to Avoid: Sulfur dioxide, sulfur trioxide

Section 11: Toxicological Information

This product is a mixture that has not been tested for its toxicological effects, therefore information below is based on information from components of the mixture.

Toxicological Information from the Component Sulfuric Acid:

General: Concentrated sulfuric acid exerts a strong corrosive action on all tissues due to its severe dehydration action (removing water from tissues). The severity of the chemical burn produced by the concentrated acid is proportional to the strength of the acid and the duration of contact. Burns are deep but typically not severely painful. Prolonged exposure to dilute solutions or acid mists may lead to irritation of the eyes and skin causing chronic conjunctivitis and dermatitis. Inhalation of sulfuric acid mist or fumes may result in irritation of the respiratory tract possibly leading to laryngeal spasm. Asthmatics may be more sensitive to inhaling sulfuric acid mists. IARC and the ACGIH have concluded there is sufficient evidence that occupational exposure to strong inorganic acid mists containing sulfuric acid is carcinogenic or potentially carcinogenic to humans.

Acute:

Skin/Eye: Splashes can cause severe eye burns and may cause irreversible eye injury and possible blindness. Skin contact results in severe burns and may result in permanent scarring. High levels of sulfuric acid mists and aerosols are also irritating to the eyes
and skin.

Inhalation: Inhalation may cause severe irritation of the respiratory tract with sore throat, coughing, shortness of breath, laryngeal spasm and delayed lung edema. These symptoms may be aggravated by physical exertion.

Ingestion: Ingestion is unlikely in industrial use but will result in severe burns to the mouth, throat, esophagus and stomach which could lead to permanent damage to the digestive tract. Small amounts of acid can also enter the lungs during ingestion or subsequent vomiting and cause serious lung injury.

Chronic: Prolonged exposure to dilute solutions or mists may result in eye irritation (chronic conjunctivitis) and produce skin dermatitis. Exposure to high concentrations of acid mist has caused erosion and discoloration of the anterior teeth. Sulfuric acid is not listed as a carcinogen by OSHA, National Toxicology Program (NTP), International Agency for Research on Cancer (IARC), ACGIH or the EU. IARC has concluded that there is sufficient evidence that occupational exposure to strong inorganic acid mists containing sulfuric acid is carcinogenic to humans, resulting in an increased incidence of primarily laryngeal cancers. The ACGIH lists strong inorganic acid mists containing sulfuric acid as a suspect human carcinogen (A2) and the NTP have recently re-classified strong inorganic acid mists containing sulfuric acid to a known human carcinogen. OSHA and the EU do not list sulfuric acid mist as a carcinogen.

Section 12: Ecological Information

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product : No data available.

Specified substance(s):

Sulfuric Acid

Sulfuric Acid LC50 (Starry, european flounder (Platichthys flesus), 48 h): 100 - 330 mg/l
Mortality LC50 (Western mosquitofish (Gambusia affinis), 24 h): 42 mg/l
Mortality LC50 (Western mosquitofish (Gambusia affinis), 48 h): 42 mg/l
Mortality LC50 (Western mosquitofish (Gambusia affinis), 96 h): 42 mg/l
Mortality

Aquatic Invertebrates

Product : No data available.

Specified substance(s)

Sulfuric Acid LC50 (Aesop shrimp (Pandalus montagui), 48 h): 42.5 mg/l Mortality LC50

Common shrimp, sand shrimp (Crangon crangon), 48 h): 70 - 80 mg/l
Mortality LC50 (Green or European shore crab (Carcinus maenas), 48 h): 70 - 80 mg/l Mortality LC50 (Cockle (Cerastoderma edule), 48 h): 200 – 500mg/l Mortality

Chronic hazards to the aquatic environment:

Fish

Product : No data available.

Aquatic Invertebrates

Product : No data available.

Toxicity to Aquatic Plants

Product : No data available.

Persistence and Degradability

Biodegradation

Product: No data available.

BOD/COD Ratio

Product: No data available.

Bioaccumulative Potential

Bioconcentration Factor (BCF)

Product : No data available.

Partition Coefficient n -octanol / water (log Kow)

Product: No data available.

Mobility in Soil: No data available.

Known or predicted distribution to environmental compartments

Sulphuric acid No data available.

Water No data available.

Known or predicted distribution to environmental compartments

Sulphuric acid No data available.

Section 13: Disposal Considerations

Landfill and/or incinerate where permitted in compliance with all applicable Federal, State and local government regulations.

Section 14: Transportation Information

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DOT
   UN Number:                    UN 1830
   UN Proper Shipping Name:      Sulfuric acid
   Transport Hazard Class
       Class:                    8
       Label(s):                 8
   Packing Group:                II
   Marine Pollutant:             Not regulated.
   Special precautions for user: -
IMDG
   UN Number:                      UN 1830
   UN Proper Shipping Name:        Sulfuric acid
   Transport Hazard Class
        Class:                     8
        Label(s):                  8
        EmS No.:                   F-A, S-B
   Packing Group:                  II
   Marine Pollutant:               Not regulated.
   Special precautions for user:   -
IATA
   UN Number:                      UN 1830
   Proper Shipping Name:           Sulfuric acid
   Transport Hazard Class(es):
     Class:                        8
     Label(s):                     8
     Packing Group:                II
     Environmental Hazards         Not regulated.
     Special precautions for user: -
     Other information
      Passenger and cargo aircraft: Allowed.
      Cargo aircraft only:          Allowed.
```

Section 15: Regulatory Information

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200. This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

TSCA Status:	All chemical substances in this material are included on or exempted from listing on the TSCA inventory of chemical substances.	
EPA SARA Title III Chemical Listings	Section 302 Extremely Hazardous Substances	Sulfuric Acid(7664-93-9) 10-20%
	Section 304 CERCLA Hazardous Substances	Sulfuric Acid(7664-93-9) 10-20%

	Ammonium Hydrogendifluoride(1341-49-7) 5-9%	
Section 312 Hazard Class	Acute	No
	Chronic	No
	Fire	No
	Pressure	No
	Reactive	No
Section 313 Toxic Chemicals	Sulfuric Acid(7664-93-9) 10-20%	

US. California Proposition 65

Sulfuric Acid Carcinogenic.

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

Sulfuric Acid Carcinogenic.

Section 16: Other Information

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. Any material supplied is the sole responsibility of the user. All materials may present unknown health hazards and we cannot guarantee that the hazards listed herein are the only hazards that exist.

Safety Data Sheet

AR
Date Prepared: 07/21/2021

Section 1. Identification

Manufacturer:
AutoRenu
308 E Market St.
New Albany, IN 47150
(855)275-2788
(800)424-9300

Product Identification: **Tire & Trim Dressing**
Suggested Use: Use to coat surfaces of tires & exterior trim, providing protection from damaging environmental elements and increased shine

Section 2. Hazard(s) Identification

Hazard Class & Category Codes	Hazard Statement Codes	Pictograms & Signal Word
Eye Irrit. 2A	H320: Causes eye irritation.	

Precautionary Statements Codes	Precautionary Statements
P101	If medical advice is needed, have product container or label at hand
P102	Keep out of reach of children
P103	Read label before use
P280	Wear protective eye protection/face protection.
P305+P351+P310	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P405	Store locked up.
P501	Dispose of contents/container at approved waste facility

Section 3. Composition/Information on Ingredients

Component Name	CAS Number	EC Number	Percentage
Water	7732-18-5	231-791-2	Balance
Silicone emulsion	Mixture	N/A	75-80%

Section 4. First Aid Measures

Eyes: Flood with large amounts water at least 20 min.; get immediate medical attention if irritation persists. Can cause irritation, redness, tearing, and blurred vision.
Skin: Flush exposed area with water. Remove all contaminated clothing. Prolonged or repeated contact can cause moderate irritation.
Inhalation: If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, calm, and get medical attention.
Oral: If swallowed, induce vomiting. Vomiting can be induced with syrup of Ipecac. Give fluids until the vomitus is clear. Get medical attention.

Section 5. Fire Fighting Measures

Flash Point: Does not flash
Autoignition Temperature: Not determined
Flammability Limits in Air: Not determined
Extinguishing Media: Carbon dioxide (CO2) water spray. Dry chemical foam can be used to cool fire-exposed containers.
Fire Fighting Procedure: Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. Evacuate area in case of overheating or fire. Vapors are heavier than air and may travel to a source of ignition and flash back. Static electricity will accumulate and may ignite vapors.
Hazardous Decomposition Products: Carbon oxides and various hydrocarbons.

Section 6. Accidental Release Measures

Containment/Clean Up: Sections 13 and 15 of this MSDS provide information regarding certain Federal and local requirements. Collect for disposal. Clean up remaining materials from spill with suitable absorbent. For large spills provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean area as appropriate as some silicone material, even in small quantities, may present a slip hazard. Final cleaning may require steam, solvents or detergents. Observe all personal protection equipment recommendations described in Sections 5 and 8 of this MSDS. Observe all Federal and government regulations that may apply to the cleanup of this material.

Section 7: Handling and Storage

Handling (Personnel): Avoid contact with oxidizing agents. Spilled substance increases risk of slippage.
Storage: Keep container tightly closed.

Section 8: Exposure Controls and Personal Protection

Contains no substances with occupational exposure limit values.
Hazardous components without workplace control parameters

None of the components have assigned exposure limits.

Engineering Controls:

Local Exhaust: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

General exhaust: Recommended

Personal Protective Equipment for Routine Handling:

Eyes: Use proper protection – safety glasses as a minimum.

Skin: Washing at meal time and end of shift is adequate.

Suitable Gloves: butyl rubber protection gloves

Inhalation: If spraying or other operations that generate an aerosol mist are conducted, respiratory protection for exposed personnel is recommended.

Precautionary Measures: Avoid eye contact.

Section 9: Physical and Chemical Properties:

Physical Form:	Liquid	Viscosity:	Not determined
Color:	White	Melting Point:	Not determined
Odor:	Slight Chemical	Boiling Point:	Not determined
Specific Gravity @ 25° C:	1.01	Flash Point:	Does not flash
Solubility in Water:	Water Soluble	Vapor Pressure @ 25° C	Not determined
VOC content (% by weight)	0%	pH:	7-8

Section 10: Stability and Reactivity

Chemical Stability: Stable

Hazardous Polymerization: Will not polymerize

Conditions to Avoid: None known

Materials to Avoid: Strong oxidizing agents

Hazardous Decomposition products: Thermal Decomposition - Formaldehyde

Section 11: Toxicological Information

Acute Toxicity

Not classified based on available information

Acute Oral Toxicity:	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method
Acute Dermal Toxicity	Acute toxicity estimate: > 5,000 mg/kg Method: Calculation method

Section 12: Ecological Information

Ecotoxicity

Not classified based on available information

Section 13: Disposal Considerations

Landfill and/or incinerate where permitted in compliance with all applicable Federal, State and local government regulations.

Section 14: Transportation Information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

Section 15: Regulatory Information

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200. This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

TSCA Status:	All chemical substances in this material are included on or exempted from listing on the TSCA inventory of chemical substances.		
EPA SARA Title III Chemical Listings	Section 302 Extremely Hazardous Substances	None	
	Section 304 CERCLA Hazardous Substances	None	
	Section 312 Hazard Class	Acute	No
		Chronic	No
		Fire	No
		Pressure	No
		Reactive	No
	Section 313 Toxic Chemicals	None	
Supplemental State Compliance Information	None		

Section 16: Other Information

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. Any material supplied is the sole responsibility of the user. All materials may present unknown health hazards and we cannot guarantee that the hazards listed herein are the only hazards that exist.

Material Safety Data Sheet

Section 1. Identification

Manufacturer:

AutoRenu
308 E Market St.
New Albany, IN 47150
(855)275-2788
(800)424-9300

In an Emergency contact:
1-800-424-9300

Product Identification: **Upholstery Spot Remover**

Section 2. Hazard(s) Identification

Hazard Class & Category Codes	Hazard Statement Codes	Pictograms & Signal Word
Health	H302: Harmful if swallowed	
Health	H316: Causes mild skin irritation	
Health	H320: Causes eye irritation	

Precautionary Statements Codes	Precautionary Statements
1/2	Keep locked up and out of the reach of children.
13	Keep away from food, drink and animal feedingstuffs.
24/25	Avoid contact with skin and eyes.
36/37	Wear suitable protective clothing and gloves.
45/46	In case of accident or if you feel unwell, or if swallowed, seek medical advice immediately and show this container or label.

Section 3. Composition/Information on Ingredients

Component Name	CAS Number	EC Number	Percentage
Water	7732-18-5	231-791-2	Balance
Sodium Metasilicate Penta Hydrate	6834-92-0	229-912-9	.5-1.5%
Tetrapotassium Pyrophosphate	7320-34-5	230-785-7	.02-.05%
Surfactant	Mixture	N/A	3-4%

Section 4. First Aid Measures

Eyes: Flood with large amounts water at least 20 min.; get immediate medical attention if irritation persists. Can cause irritation, redness, tearing, and blurred vision.
Skin: Flush exposed area with water. Remove all contaminated clothing. Prolonged or repeated contact can cause moderate irritation.
Inhalation: If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, calm, and get medical attention.
Oral: If swallowed, induce vomiting. Vomiting can be induced with syrup of Ipecac. Give fluids until the vomitus is clear. Get medical attention.

Section 5. Fire Fighting Measures

Flash Point: 250°F
Autoignition Temperature: Not determined
Flammability Limits in Air: Not determined
Extinguishing Media: Carbon dioxide (CO2) water spray. Dry chemical foam can be used to cool fire-exposed containers.
Fire Fighting Procedure: Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. Evacuate area in case of overheating or fire. Vapors are heavier than air and may travel to a source of ignition and flash back. Static electricity will accumulate and may ignite vapors.
Hazardous Decomposition Products: Carbon oxides and various hydrocarbons.

Section 6. Accidental Release Measures

Containment/Clean Up: Sections 13 and 15 of this MSDS provide information regarding certain Federal and local requirements. Collect for disposal. Clean up remaining materials from spill with suitable absorbent. For large spills provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean area as appropriate as some silicone material, even in small quantities, may present a slip hazard. Final cleaning may require steam, solvents or detergents. Observe all personal protection equipment recommendations described in Sections 5 and 8 of this MSDS. Observe all Federal and government regulations that may apply to the cleanup of this material.

Section 7: Handling and Storage

Handling (Personnel): Avoid contact with oxidizing agents. Spilled substance increases risk of slippage.
Storage: Keep container tightly closed.

Section 8: Exposure Controls and Personal Protection

Engineering Controls:

Local Exhaust: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

General exhaust: Recommended

Personal Protective Equipment for Routine Handling:

Eyes: Use proper protection – safety glasses as a minimum.

Skin: Washing at meal time and end of shift is adequate.

Suitable Gloves: butyl rubber protection gloves

Inhalation: If spraying or other operations that generate an aerosol mist are conducted, respiratory protection for exposed personnel is recommended.

Precautionary Measures: Avoid eye contact.

Section 9: Physical and Chemical Properties:

Physical Form:	Liquid	Viscosity:	Not determined
Color:	Clear	Melting Point:	Not determined
Odor:	Lemon	Boiling Point:	Not determined
Specific Gravity @ 25° C:	1.01	Flash Point:	250° F
Solubility in Water:	Soluble	Vapor Pressure @ 25° C	Not determined
VOC content (% by weight)	0.001-0.005%	pH:	11.5 - 12

Section 10: Stability and Reactivity

Chemical Stability: Stable

Hazardous Polymerization: Will not polymerize

Conditions to Avoid: None known

Materials to Avoid: Strong oxidizing agents and strong acids.

Section 11: Toxicological Information

None known

Section 12: Ecological Information

None known

Section 13: Disposal Considerations

Landfill and/or incinerate where permitted in compliance with all applicable Federal, State and local government regulations.

Section 14: Transportation Information

DOT Road Shipment Information (49 CFR 172.101)

Non-Regulated. Keep away from food stuffs.

Section 15: Regulatory Information

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200. This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

TSCA Status:	All chemical substances in this material are included on or exempted from listing on the TSCA inventory of chemical substances.		
EPA SARA Title III Chemical Listings	Section 302 Extremely Hazardous Substances	None	
	Section 304 CERCLA Hazardous Substances	None	
	Section 312 Hazard Class	Acute	No
		Chronic	No
		Fire	No
		Pressure	No
		Reactive	No
	Section 313 Toxic Chemicals	None	
Supplemental State Compliance Information	None		

Section 16: Other Information

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. Any material supplied is the sole responsibility of the user. All materials may present unknown health hazards and we cannot guarantee that the hazards listed herein are the only hazards that exist.

Material Safety Data Sheet

Section 1. Identification

Manufacturer:
AutoRenu
308 E Market St
New Albany, IN 47150
(855) 275-2788
(800) 424-9300

Product Identification: **Leather Cleaner**
Suggested Use: Use to clean leather vinyl and plastic.

Section 2. Hazard(s) Identification

Hazard Class & Category Codes	Hazard Statement Codes	Pictograms & Signal Word
None	None	None

Precautionary Statements Codes	Precautionary Statements
1/2	Keep locked up and out of the reach of children.
13	Keep away from food, drink and animal feedingstuffs.
24/25	Avoid contact with skin and eyes.
36/37	Wear suitable protective clothing and gloves.
45/46	In case of accident or if you feel unwell, or if swallowed, seek medical advice immediately and show this container or label.

Section 3. Composition/Information on Ingredients

Component Name	CAS Number	EC Number	Percentage
Water	7732-18-5	231-791-2	Balance
Sodium Metasilicate Penta Hydrate	6834-92-0	229-912-9	.02-.5%
Tetrapotassium Pyrophosphate	7320-34-5	230-785-7	.01-.05%
Non Ionic Surfactant	9016-45-9	N/A	.03-.06%

Section 4. First Aid Measures

Eyes: Flood with large amounts water at least 20 min.; get immediate medical attention if irritation persists. Can cause irritation, redness, tearing, and blurred vision.

Skin: Flush exposed area with water. Remove all contaminated clothing. Prolonged or repeated contact can cause moderate irritation.
Inhalation: If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, calm, and get medical attention.
Oral: If swallowed, induce vomiting. Vomiting can be induced with syrup of Ipecac. Give fluids until the vomitus is clear. Get medical attention.

Section 5. Fire Fighting Measures

Flash Point: 250°F
Autoignition Temperature: Not determined
Flammability Limits in Air: Not determined
Extinguishing Media: Carbon dioxide (CO2) water spray. Dry chemical foam can be used to cool fire-exposed containers.
Fire Fighting Procedure: Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. Evacuate area in case of overheating or fire. Vapors are heavier than air and may travel to a source of ignition and flash back. Static electricity will accumulate and may ignite vapors.
Hazardous Decomposition Products: Carbon oxides and various hydrocarbons.

Section 6. Accidental Release Measures

Containment/Clean Up: Sections 13 and 15 of this MSDS provide information regarding certain Federal and local requirements. Collect for disposal. Clean up remaining materials from spill with suitable absorbent. For large spills provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean area as appropriate as some silicone material, even in small quantities, may present a slip hazard. Final cleaning may require steam, solvents or detergents. Observe all personal protection equipment recommendations described in Sections 5 and 8 of this MSDS. Observe all Federal and government regulations that may apply to the cleanup of this material.

Section 7: Handling and Storage

Handling (Personnel): Avoid contact with oxidizing agents. Spilled substance increases risk of slippage.
Storage: Keep container tightly closed.

Section 8: Exposure Controls and Personal Protection

Engineering Controls:

Local Exhaust: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

General exhaust: Recommended

Personal Protective Equipment for Routine Handling:

Eyes: Use proper protection – safety glasses as a minimum.

Skin: Washing at meal time and end of shift is adequate.

Suitable Gloves: butyl rubber protection gloves

Inhalation: If spraying or other operations that generate an aerosol mist are conducted, respiratory protection for exposed personnel is recommended.

Precautionary Measures: Avoid eye contact.

Section 9: Physical and Chemical Properties:

Physical Form:	Liquid	Viscosity:	Not determined
Color:	Clear	Melting Point:	Not determined
Odor:	Slight	Boiling Point:	Not determined
Specific Gravity @ 25° C:	1.01	Flash Point:	250° F
Solubility in Water:	Soluble	Vapor Pressure @ 25° C	Not determined
VOC content (% by weight)	0.001-0.005%	pH:	12.5 - 13

Section 10: Stability and Reactivity

Chemical Stability: Stable

Hazardous Polymerization: Will not polymerize

Conditions to Avoid: None known

Materials to Avoid: Strong oxidizing agents and strong acids.

Section 11: Toxicological Information

None known

Section 12: Ecological Information

None known

Section 13: Disposal Considerations

Landfill and/or incinerate where permitted in compliance with all applicable Federal, State and local government regulations.

Section 14: Transportation Information

DOT Road Shipment Information (49 CFR 172.101)

Non-Regulated. Keep away from food stuffs.

Section 15: Regulatory Information

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200. This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

TSCA Status: All chemical substances in this material are included on or exempted from

	listing on the TSCA inventory of chemical substances.		
EPA SARA Title III Chemical Listings	Section 302 Extremely Hazardous Substances	None	
	Section 304 CERCLA Hazardous Substances	None	
	Section 312 Hazard Class	Acute	No
		Chronic	No
		Fire	No
		Pressure	No
		Reactive	No
	Section 313 Toxic Chemicals	None	
Supplemental State Compliance Information	None		

Section 16: Other Information

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. Any material supplied is the sole responsibility of the user. All materials may present unknown health hazards and we cannot guarantee that the hazards listed herein are the only hazards that exist.

Safety Data Sheet

Section 1. Identification

Manufacturer:
AutoRenu
308 E Market St
New Albany, IN 47150
(855) 275-2788
(800) 424-9300

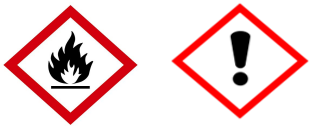
In an Emergency contact:
1-800-424-9300

Product Identification: **Glass Cleaner**
Suggested Use: Use to clean glass windows, mirrors and accessories

Section 2. Hazard(s) Identification

Hazard Class & Category Codes	Hazard Statement Codes
Physical	H225: Highly flammable liquid and vapor
Eye Irrit. 2	H319: Causes serious eye irritation.
Health	H336: May cause drowsiness or dizziness.

Pictograms & Signal Word



Warning

Precautionary Statements Codes	Precautionary Statements
P201	Obtain special instructions before use.
P202	Do not handle until all safety precautions have been read and understood.
P210	Keep away from heat/sparks/open flames/ hot surfaces. – No smoking.
P233	Keep container tightly closed
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ ventilating/ lighting/ equipment.
P242	Use only non-sparking tools
P243	Take precautionary measures against static discharge
P261	Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray.
P264	Wash skin thoroughly after handling.
P271	Use only outdoors or in well-ventilated area.
P280	Wear protective gloves/clothing, eye/face protection.
P303, P361, P353	IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304, P340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305, P351, P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337, P313	If eye irritation persists: Get medical advice/attention.
P370, P378	In case of fire: Use dry sand, dry chemical or alcohol resistant foam for extinction.
P403, P235	Store in well-ventilated place. Keep cool.
P405	Store locked up
P501	Dispose of contents/ container in accordance with local/regional regulationS.

Other classifications:

NFPA

Rating: Health:1

Fire: 3

Reactivity: 0

HMIS Rating:

Health: 2

Flammability: 3

Physical: 0

Section 3. Composition/Information on Ingredients

Component Name	CAS Number	EC Number	Percentage
Water	7732-18-5	231-791-2	Balance
Isopropyl Alcohol	67-63-0	200-661-7	38-42%

Section 4. First Aid Measures

Inhalation: Remove to fresh air. If not breathing, apply artificial respiration. If breathing is difficult, give oxygen provided a qualified individual is present. Get medical attention.

Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. If victim is conscious and alert, rinse mouth with water. Never give anything by mouth to an unconscious person. Get medical attention.

Skin Contact: Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse or discard if they cannot be thoroughly cleaned. Get medical assistance if irritation persists.

Eye Contact: Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Remove contact lenses, if present. Get medical attention.

Note to Physician: Treat symptomatically and supportively.

Section 5. Fire Fighting Measures

Extinguishing Media: Use water spray/fog, dry chemical powder, carbon dioxide, sand/earth or alcohol resistant foam. Do NOT use solid water stream as it may spread fire. Use water to cool exposed containers. Containers may explode in the heat of a fire.

Special Protective Equipment: Wear a self-contained breathing apparatus MSHA/NIOSH (approved or equivalent), and full protective gear.

Specific Hazards: Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back.

Section 6. Accidental Release Measures

Emergency Procedures: Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Keep unnecessary personnel away. Remove all sources of ignition. Wear personal protection equipment. All equipment used when handling the product must be grounded. Dilute/disperse combustible gas/vapor with water curtain. Take precautionary measures against static discharge.

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Do not let product enter waterways, sewers, basements or confined areas.

Methods of containment/cleanup: Absorb with inert materials and place into appropriate containers for disposal. Use clean non-sparking tools to collect absorbed material. Large spills should be collected mechanically (remove by pumping) for disposal. Clean contaminated surfaces with an excess of water.

Section 7: Handling and Storage

Handling: Wear personal protection equipment. Avoid contact with eyes, skin and clothing. Avoid ingestion and inhalation. Ground and bond containers when transferring material to avoid static discharges. Use only in well-ventilated area. Use spark-proof tools and explosion-proof equipment. Wash thoroughly after handling. Empty containers retain product residue (liquid and/or vapor), and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to sources of ignition.

Storage: Keep away from heat, sparks, flame and other sources of ignition. Store tightly closed container in a cool, dry, well-ventilated area. Provide the tank with earthing, may be stored under nitrogen. Keep isolated from incompatible materials (i.e. oxidizing agents, strong acids/bases, amines and halogens). Suitable packaging material: Stainless steel, Monel steel, carbon

steel, copper, nickel, bronze, glass, Teflon, polyethylene, polypropylene, or zinc. Non-suitable packaging material: Natural, butyl, neoprene or nitrile rubbers, or steel with rubber inner lining, or aluminum.

Section 8: Exposure Controls and Personal Protection

Exposure Limits:

Regulator:	Test:	Allowance:
OSHA	TWA	200 ppm/ 480 mg/m3
	STEL	400 ppm/ 980 mg/m3
ACGIH	TWA	200 ppm
	STEL	400 ppm

Engineering Controls: **Use adequate ventilation to keep airborne concentrations low. Use sealed systems as far as possible. An emergency eye wash/shower must be readily accessible to the work area.**

Personal Protective Equipment:

Respirators: **Follow the OSHA respirator regulations found in 29 CFR 1910.134. In confined areas, use a self-contained breathing apparatus.**

Skin Protection: **Wear appropriate protective gloves and clothing to prevent skin exposure.**

Recommended glove material: **Butyl/Nitrile rubber.**

Eye Protection: **Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA's eye and face protection regulations in 29 CFR 1910.133.**

Section 9: Physical and Chemical Properties:

Appearance: Blue,	**Blue liquid**
Odor:	**Alcohol-like odor**
Odor Threshold:	**3 - 610 ppm; 8 - 1,499 mg/m3**
pH:	**No data available**
Melting/Freezing Point:	**-89.5 °C**
Boiling Point:	**82 - 83 °C (1,013 hPa)**
Decomposition Temperature:	**No data available**
Flash Point:	**12 °C**
Auto-ignition Temperature:	**399 °C**
Flammability/Explosive Limits:	**2 - 12 % (V)**
Vapor Pressure:	**60.2 hPa at 25 °C**

Vapor Density (air=1):	**2.0 at 20°C**
Relative Density (water=1):	**0.79 at 25 °C**
Solubility (in water):	**Soluble in water.**
Partition coefficient: n-Octanol/water:	**Log Pow: 0.05 at 25 °C**
Evaporation Rate (Butyl Acetate=1):	**1.5**
Molecular Weight:	**60.095 g/mol**

Section 10: Stability and Reactivity

Stability:	Stable at room temperature and under normal conditions.
Hazardous Reactions:	May form explosive mixtures with air.
Conditions to Avoid:	Avoid heat, sparks, open flames and other sources of ignition.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	Carbon oxides.

Section 11: Toxicological Information

Potential Health Effects:

Inhalation: Exposure to high concentrations: May cause coughing, dry/sore throat, central nervous system depression, dizziness, headache, narcosis.

Skin Contact: May cause dry skin.

Eye Contact: May cause irritation of the eye tissue.

Ingestion: After absorption of high quantities: symptoms may include central nervous system depression, headache, dilation of the blood vessels, low arterial pressure, nausea, vomiting, abdominal pain, disturbed motor response, or disturbances of consciousness. Delayed symptoms may include body temperature fall, slowing respiration.

Chronic Effects: Continuous/repeated exposure/contact may cause: red skin, dry skin, itching, cracking of the skin, skin rash/inflammation, impaired memory.

Numerical Measures of Acute Toxicity:

Route:	Test:	Subject:	Value:	Time:
Dermal	LD 50	Rabbit	> 5,000 mg/kg	
Inhalation	LC 50	Rat	73 mg/l	4 hours
Oral	LD 50	Rat	> 5,000 mg/k	

Additional Information:

Aspiration toxicity:	Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.
Carcinogenicity:	IARC Group 3
Germ cell mutagenicity:	Not mutagenic.

Reproductive toxicity:	Not classified based on available information.
Sensitization:	Not expected to be a sensitizer.
Serious eye damage/irritation:	Serious irritating.
Skin corrosion/irritation:	Not irritating.
STOT-Repeated Exposure:	Not classified based on available information.
STOT-Single Exposure:	May cause drowsiness or dizziness.

Section 12: Ecological Information

Ecotoxicity:

Group:	Test:	Subject:	Value:	Time:
Fish:	LC 50	Pimephales promelas	9,640 mg/l	96 hours
Aquatic invertebrates:	LC 50	Daphnia magna	> 10,000 mg/l	48 hours
Aquatic plants:	EC 50	Scenedesmus subspicatus	> 1,000 mg/l	72 hours

Persistence and Degradability:	Readily Biodegradable.
Bioaccumulative Potential:	Low potential for bioaccumulation.
Mobility in Soil:	Low absorption rate into soil; Koc=1.5.

Section 13: Disposal Considerations

Packaging: **Empty containers may retain product residue, follow label warnings even after container is emptied.**

Disposal: **Dispose of according to Federal, State, and Local Regulations**

Section 14: Transportation Information

UN #:	**UN 1219**
Proper shipping Name:	**Isopropanol**
Transport Hazard Class:	**3**
Packing Group:	**II**
Marine Pollutant:	**No**
Labels & Placards:	**FLAMMABLE**
EMS #:	**F-E, S-D**

Section 15: Regulatory Information

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200. This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

TSCA Status: All chemical substances in this material are included on or exempted from listing on the TSCA inventory of chemical substances.

Section 16: Other Information

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. Any material supplied is the sole responsibility of the user. All materials may present unknown health hazards and we cannot guarantee that the hazards listed herein are the only hazards that exist.

Material Safety Data Sheet

Section 1. Identification

Manufacturer:

AutoRenu
308 E Market St.
New Albany, IN 47150
(855)275-2788
(800)424-9300

In an Emergency contact:
1-800-424-9300

Product Identification: **Degreaser**

Section 2. Hazard(s) Identification

Hazard Class & Category Codes	Hazard Statement Codes	Pictograms & Signal Word
Health	H302: Harmful if swallowed	
Health	H316: Causes mild skin irritation	
Health	H320: Causes eye irritation	

Precautionary Statements Codes	Precautionary Statements
1/2	Keep locked up and out of the reach of children.
13	Keep away from food, drink and animal feedingstuffs.
24/25	Avoid contact with skin and eyes.
36/37	Wear suitable protective clothing and gloves.
45/46	In case of accident or if you feel unwell, or if swallowed, seek medical advice immediately and show this container or label.

Section 3. Composition/Information on Ingredients

Component Name	CAS Number	EC Number	Percentage
Water	7732-18-5	231-791-2	Balance
Sodium Metasilicate Penta Hydrate	6834-92-0	229-912-9	.5-1.5%
Tetrapotassium Pyrophosphate	7320-34-5	230-785-7	.02-.05%
Surfactant	Mixture	N/A	3-4%
Sodium Hydroxide	1310-73-2	N/A	2-3%

Section 4. First Aid Measures

Eyes: Flood with large amounts water at least 20 min.; get immediate medical attention if irritation persists. Can cause irritation, redness, tearing, and blurred vision.
Skin: Flush exposed area with water. Remove all contaminated clothing. Prolonged or repeated contact can cause moderate irritation.
Inhalation: If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, calm, and get medical attention.
Oral: If swallowed, induce vomiting. Vomiting can be induced with syrup of Ipecac. Give fluids until the vomitus is clear. Get medical attention.

Section 5. Fire Fighting Measures

Flash Point: 250°F
Autoignition Temperature: Not determined
Flammability Limits in Air: Not determined
Extinguishing Media: Carbon dioxide (CO2) water spray. Dry chemical foam can be used to cool fire-exposed containers.
Fire Fighting Procedure: Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. Evacuate area in case of overheating or fire. Vapors are heavier than air and may travel to a source of ignition and flash back. Static electricity will accumulate and may ignite vapors.
Hazardous Decomposition Products: Carbon oxides and various hydrocarbons.

Section 6. Accidental Release Measures

Containment/Clean Up: Sections 13 and 15 of this MSDS provide information regarding certain Federal and local requirements. Collect for disposal. Clean up remaining materials from spill with suitable absorbent. For large spills provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean area as appropriate as some silicone material, even in small quantities, may present a slip hazard. Final cleaning may require steam, solvents or detergents. Observe all personal protection equipment recommendations described in Sections 5 and 8 of this MSDS. Observe all Federal and government regulations that may apply to the cleanup of this material.

Section 7: Handling and Storage

Handling (Personnel): Avoid contact with oxidizing agents. Spilled substance increases risk of slippage.
Storage: Keep container tightly closed.

Section 8: Exposure Controls and Personal Protection

Engineering Controls:

Local Exhaust: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

General exhaust: Recommended

Personal Protective Equipment for Routine Handling:

Eyes: Use proper protection – safety glasses as a minimum.

Skin: Washing at meal time and end of shift is adequate.

Suitable Gloves: butyl rubber protection gloves

Inhalation: If spraying or other operations that generate an aerosol mist are conducted, respiratory protection for exposed personnel is recommended.

Precautionary Measures: Avoid eye contact.

Section 9: Physical and Chemical Properties:

Physical Form:	Liquid	Viscosity:	Not determined
Color:	Red	Melting Point:	Not determined
Odor:	Cherry	Boiling Point:	Not determined
Specific Gravity @ 25° C:	1.01	Flash Point:	250° F
Solubility in Water:	Soluble	Vapor Pressure @ 25° C	Not determined
VOC content (% by weight)	0.001-0.005%	pH:	11.5 - 12

Section 10: Stability and Reactivity

Chemical Stability: Stable

Hazardous Polymerization: Will not polymerize

Conditions to Avoid: None known

Materials to Avoid: Strong oxidizing agents and strong acids.

Section 11: Toxicological Information

None known

Section 12: Ecological Information

None known

Section 13: Disposal Considerations

Landfill and/or incinerate where permitted in compliance with all applicable Federal, State and local government regulations.

Section 14: Transportation Information

DOT Road Shipment Information (49 CFR 172.101)

Non-Regulated. Keep away from food stuffs.

Section 15: Regulatory Information

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200. This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

TSCA Status:	All chemical substances in this material are included on or exempted from listing on the TSCA inventory of chemical substances.		
EPA SARA Title III Chemical Listings	Section 302 Extremely Hazardous Substances	None	
	Section 304 CERCLA Hazardous Substances	None	
	Section 312 Hazard Class	Acute	No
		Chronic	No
		Fire	No
		Pressure	No
		Reactive	No
	Section 313 Toxic Chemicals	None	
Supplemental State Compliance Information	None		

Section 16: Other Information

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. Any material supplied is the sole responsibility of the user. All materials may present unknown health hazards and we cannot guarantee that the hazards listed herein are the only hazards that exist.

Safety Data Sheet

Section 1. Identification

Manufacturer:
AutoRenu
308 E Market St
New Albany, IN 47150
(855) 275-2788
(800) 424-9300

Product Identification: **Waterless Wash BSS**
Suggested Use: Use to wash exterior vehicle surfaces

Section 2. Hazard(s) Identification

Hazard Class & Category Codes	Hazard Statement Codes	Pictograms & Signal Word
None	None	None

Precautionary Statements Codes	Precautionary Statements
P101	If medical advice is needed, have product container or label at hand
P102	Keep out of reach of children
P103	Read label before use
P501	Dispose of contents/container to approved waste facility

Section 3. Composition/Information on Ingredients

Component Name	CAS Number	EC Number	Percentage
Water	7732-18-5	231-791-2	Balance
Surfactant	Mixture	N/A	<1%

Section 4. First Aid Measures

Eyes: Flood with large amounts water at least 20 min.; get immediate medical attention if irritation persists. Can cause irritation, redness, tearing, and blurred vision.
Skin: Flush exposed area with water. Remove all contaminated clothing. Prolonged or repeated contact can cause moderate irritation.
Inhalation: If affected, remove individual to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm, calm, and get medical attention.

Oral: If swallowed, induce vomiting. Vomiting can be induced with syrup of Ipecac. Give fluids until the vomitus is clear. Get medical attention.

Section 5. Fire Fighting Measures

Flash Point: 225°F
Autoignition Temperature: Not determined
Flammability Limits in Air: Not determined
Extinguishing Media: Carbon dioxide (CO2) water spray. Dry chemical foam can be used to cool fire-exposed containers.
Fire Fighting Procedure: Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. Evacuate area in case of overheating or fire. Vapors are heavier than air and may travel to a source of ignition and flash back. Static electricity will accumulate and may ignite vapors.
Hazardous Decomposition Products: May form toxic material, carbon dioxide, carbon monoxide, various hydrocarbons, etc.

Section 6. Accidental Release Measures

Containment/Clean Up: Sections 13 and 15 of this MSDS provide information regarding certain Federal and local requirements. Collect for disposal. Clean up remaining materials from spill with suitable absorbent. For large spills provide diking or other appropriate containment to keep material from spreading. If diked material can be pumped, store recovered material in appropriate container. Clean area as appropriate as some silicone material, even in small quantities, may present a slip hazard. Final cleaning may require steam, solvents or detergents. Observe all personal protection equipment recommendations described in Sections 5 and 8 of this MSDS. Observe all Federal and government regulations that may apply to the cleanup of this material.

Section 7: Handling and Storage

Handling (Personnel): Avoid contact with strong oxidizing agents. Spilled substance increases risk of slippage.
Storage: Keep container tightly closed.

Section 8: Exposure Controls and Personal Protection

Engineering Controls:

Local Exhaust: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

General exhaust: Recommended

Personal Protective Equipment for Routine Handling:

Eyes: Use proper protection – safety glasses as a minimum.

Skin: Washing at meal time and end of shift is adequate.

Suitable Gloves: butyl rubber protection gloves

Inhalation: If spraying or other operations that generate an aerosol mist are conducted, respiratory protection for exposed personnel is recommended.

Precautionary Measures: Avoid eye contact.

Section 9: Physical and Chemical Properties:

Physical Form:	Viscous Liquid	Viscosity:	165 mm2/s
Color:	Blue	Melting Point:	Not determined
Odor:	Fresh	Boiling Point:	212° F
Specific Gravity @ 25C:	0.865	Flash Point:	225° F
Solubility in Water:	Soluble	Vapor Pressure @ 25°C	Not determined
VOC content (% by weight)	0%	pH:	7-9

Section 10: Stability and Reactivity

Chemical Stability: Stable
Hazardous Polymerization: Will not polymerize
Conditions to Avoid: None known
Materials to Avoid: Strong oxidizing agents.

Section 11: Toxicological Information

Acute Toxicity:	Irritation to eyes and skin
Chronic:	Unknown
Eyes:	No data available
Skin:	No data available
Sensitization:	Not a known sensitizer
Mutagenicity:	No evidence for mutagenicity
Carcinogenicity:	Contains no ingredients classified as carcinogens by IARC, NTP or OSHA
Reproductive Toxicity:	No known reproductive toxicity
Target Organs:	None known
Aspiration Hazard:	No data available

Section 12: Ecological Information

Fish:	No data available
Daphnia:	No data available
Algae:	No data available

Section 13: Disposal Considerations

Landfill and/or incinerate where permitted in compliance with all applicable Federal, State and local government regulations.

Section 14: Transportation Information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

Section 15: Regulatory Information

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200. This product has been classified according to the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

TSCA Status:	All chemical substances in this material are included on or exempted from listing on the TSCA inventory of chemical substances.		
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	Section 304 CERCLA Hazardous Substances	None	
	Section 312 Hazard Class	Acute	No
		Chronic	No
		Fire	No
		Pressure	No
		Reactive	No
	Section 313 Toxic Chemicals	None	
Supplemental State Compliance Information	None		

Section 16: Other Information

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. Any material supplied is the sole responsibility of the user. All materials may present unknown health hazards and we cannot guarantee that the hazards listed herein are the only hazards that exist.