NATIONAL PURITY
6840 SHINGLE CREED PKWY, STE 23
BROOKLYN CENTER, MN 55430

(612) 672-0022

SAFETY DATA SHEET

1. Product and Company Identification

Product Name	**MOUNTAIN HIGH pH PRESOAK**
Product Number	**401**
Product Type	Mixture
Product Use	Alkaline Presoak for touchless car wash
Manufacturer/Supplier	National Purity, LLC. 6840 Shingle Creek Parkway, Suite #23 Brooklyn Center, MN 55430
Company Contact	612-672-0022
Emergency Telephone Number	1-800-255-3924
Email	customerservice@nationalpurity.com

2. Hazards Identification

GHS Classification in accordance with 29 CFR 1910 OSHA HCS

Corrosive to Metals (Category 1) H290
Skin Corrosion (Category 1B) H314
Eye Damage (Category 1) H318
Acute Toxicity, Oral (Category 4) H301, H302,
Skin irritation, (Category 3) H314, H315
Eye irritation, (Category 2B) H320
Respiratory irritation (Category 3) H335

GHS Label elements, including precautionary statements

Pictogram

Signal word	Warning

Hazard Statements

H290	**May be corrosive to metals**
H301	**Toxic if swallowed**
H302	**Harmful if swallowed**
H312	**Harmful in contact with skin**
H314	**Causes severe skin burns and eye damage**
H315	**Causes skin irritation**
H318	**Causes serious eye damage**
H319	**Causes mild skin irritation.**
H332	**Causes eye irritation.**
H335	**May cause respiratory irritation.**

Precautionary Statements

Prevention

P264	**Wash hands thoroughly after handling.**
P270	**Do not eat, drink or smoke when using this product.**
P280	**Wear protective gloves/protective clothing/eye protection/face protection.**
P261	**Avoid breathing mist/vapors/spray.**
P273	**Avoid release to the environment.**

Response

P301+P312+P330	**IF SWALLOWED, immediately call a POISON CENTER/doctor. DO NOT INDUCE VOMITING. Rinse mouth with water.**
P332+P313	**If skin irritation occurs, get medical attention**
P305+P351+P337+P313	**IF IN EYES, rinse cautiously for several minutes. Remove contact lenses if present. Continue rinsing. If eye irritation persists, Get medical advise and attention**
P304+P340+P312	**IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.** **IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.**

Storage/Disposal

P501	**Dispose of contents/container in accordance with local/regional/federal regulations.**

.3. Composition/Information on Ingredients

The criteria for listing components in this section are: Ingredients that meet the criteria for carcinogenic, toxic to reproduction, or specific target organ toxicity and components otherwise considered hazardous according to OSHA which exceed the cut off limits for SDS specified by the criteria for mixtures are listed . Non hazardous components are not listed. This is not a composition disclosure. Exact percentages are considered proprietary and a trade secret.

Hazardous Components	CAS#	Classification	%
Sodium metasilicate	**10213-79-3**	**H290, H301, H314, H335**	**1-5%**
Cocamidopropyl Hydroxysultaine	**68139-30-0**	**H315, H319**	**1-5%**
Benzenesulfonic Acid, Decyl(sulfophenoxy)-, Disodium Salt	**36445-71-3**	**H302, H318**	**1-5%**
Benzenesulfonic Acid, Oxybis[decyl-, Disodium Salt	**70146-13-3**	**H302, H318**	**0.5-3%**
Alcohols, C6-C12, ethoxylated	**68439-45-2**	**H312, H319**	**1.5%**
Tetrasodium ethylenediamine tetraacetate	**64-02-8**	**H290, H315, H318, H332, H373**	**0.5-3%**
Potassium hydroxide	**1310-58-3**	**H290, H302, H314, H335**	**7-15%**

4. First Aid Measures

Description of First Aid Procedures

General Advise	Consult a physician. Show this SDS to the doctor.
In Case of Eye Contact	Flush with cool running water for 15 minutes. Remove contact lenses if present. Get immediate medical attention.
In Case of Skin Contact	Rinse thoroughly with cool running water. Remove contaminated clothing. Get medical attention if irritation persists.
If Ingested	Rinse mouth with water. **Do not induce vomiting.** Obtain immediate medical attention. Never give anything by mouth to an unconscious person.

If Inhaled	Move person to fresh air. If breathing difficulty persists, consult a physician.
Notes to Physician	Symptoms may be delayed.
General advice	Seek medical attention if feeling unwell. Show the SDS to the physician in attendance.

5. Fire-fighting Measures

Flammable properties	None
Extinguishing media	Use methods appropriate to the source of the fire.
Protection of firefighters	Firefighters should wear protective clothing including self contained breathing apparatus .
Hazardous combustion products	May include and not limited to oxides of carbon, and nitrogen.
Unusual Fire, Explosion hazards	Containers may melt or rupture from heat of fire. May form combustible mixtures with air when heated.

6. Accidental Release Measures

Personal precautions	Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled containers unless wearing protective Clothing.
Methods for containment	Stop leak if you can do so without risk. Prevent entry into waterways, sewers.
Methods for cleaning up	Before attempting clean up, refer to hazard data given above. Small spills, may be mopped up and rinsed. Large spills, dike area to prevent from spreading. Absorb with non reactive absorbent and place in suitable, covered, and labeled container. Rinse area with water. Never return spill to original container.
Environmental precautions	Avoid spills. Keep out of waterways. Do not allow material to contaminate ground water system. Do not flush into surface water or sanitary sewer system

7. Handling and Storage

Precautions for Safe Handling	Use good industrial hygiene practices when handling this material. Avoid contact with eyes, skin and clothing. Wash contaminated clothing before reuse.
Conditions for Safe Storage	Keep container closed when not in use. Keep out of reach of children.

8. Exposure Controls and Personal Protection

Exposure Limits

Ingredients	CAS#	OSHA PEL	ACGIH TLV
Sodium metasilicate	10213-79-3	N/A	N/A
Cocamidopropyl Hydroxysultaine	68139-30-0	N/A	N/A
Benzenesulfonic Acid, Decyl(sulfophenoxy)-, Disodium Salt	36445-71-3	N/A	N/A
Benzenesulfonic Acid, Oxybis[decyl-, Disodium Salt	70146-13-3	N/A	N/A
Alcohols, C6-C12, ethoxylated	68439-45-2	N/A	N/A
Tetrasodium ethylenediamine tetraacetate	64-02-8	N/A	N/A
Potassium hydroxide	1310-58-3	(Vacated) Ceiling: 2 mg/m3	Ceiling: 2 mg/m3

Engineering controls	General ventilation normally adequate.
Personal protective equipment	
Eye/Face protection	Wear goggles or safety glasses with side shields if splash conditions exist. Have suitable eye wash water available.
Hand protection	Wear impermeable gloves to prevent contact with skin.
Skin and body	As required by employer code.
Respiratory protection	Use a NIOSH approved respirator when exposure guidelines are exceeded.
General hygiene considerations	Handle in accordance with good industrial hygiene practices. Do not eat or drink when using product. Wash hands well before breaks and immediately after handling the product.

9. Physical and Chemical Properties

Information on basic physical and chemical properties	
Appearance/form	Clear liquid
Color	Light Yellow
Odor	Unfragranced
Odor threshold	Not established
pH	13.2-13.8 (concentrate)
Melting/freezing point	Not established
Initial Boiling point	≈212º F. (100º C.)
Flash point	Not established
Evaporation rate	Not established
Flammability	Not flammable
Upper/lower flammability or Explosive limits	Not applicable
Vapor pressure	Not established
Vapor density	Not established
Specific gravity/density	1.08-1.13
Solubility in water	Complete
VOC	Not established
% Volatile	Not established
Other Safety Information	

10. Stability and Reactivity

Reactivity	
Chemical Stability	Stable under normal storage conditions.
Hazardous reactions	None known.
Conditions to avoid	Do not mix with other chemicals.
Incompatible materials	Strong acids, alkalis, strong oxidizing agents.
Hazardous decomposition products	May include but not limited to oxides of carbon, and nitrogen.
Hazardous polymerization	Will not occur

11. Toxicological Information

Ingredients	**LC50**
Sodium metasilicate	No information available
Cocamidopropyl Hydroxysultaine	Fish: 1.3-2mg/l, 96 h
Benzenesulfonic Acid, Decyl(sulfophenoxy)-, Disodium Salt	1.5mg/l, 48 h (Daphnia)
Benzenesulfonic Acid, Oxybis[decyl-, Disodium Salt	1.5mg/l, 48 h (Daphnia)
Tetrasodium ethylenediamine tetraacetate	> 100mg/L
Alcohols, C6-C12, ethoxylated	Value expected to exceed the saturated vapor concentration in air
Potassium hydroxide	No information available

Ingredients	LD50
Sodium metasilicate	847mg/kg Oral (Rat)
Cocamidopropyl Hydroxysultaine	> 2000mg/kg Rabbit), > 4900mg/kg (Rat)
Benzenesulfonic Acid, Decyl(sulfophenoxy)-, Disodium Salt	1500 - 2000mg/kg Oral (Rat), > 2000mg/kg Dermal (Rabbit)
Benzenesulfonic Acid, Oxybis[decyl-, Disodium Salt	1500 - 2000mg/kg Oral (Rat), > 2000mg/kg Dermal (Rabbit)
Tetrasodium ethylenediamine tetraacetate	3,030mg/kg Oral (Rat), > 5000mg/kg Dermal (Rabbit)
Alcohols, C6-C12, ethoxylated	> 2500mg/kg Oral (Rat), > 1000mg/kg Dermal (Rabbit)
Potassium hydroxide	333-384mg/kg (Rat)

Eye	Causes eye irritation.
Skin	May cause mild skin irritation.
Ingestion	May be harmful if swallowed.
Inhalation	May cause respiratory irritation of nose and throat.
Sensitization	Nonhazardous**.**
Chronic effects of short and long Term exposure	Prolonged exposure to skin may cause drying, defatting and irritation.
Carcinogenicity	Does not contain ingredients considered carcinogenic by NTP, or OSHA.
Mutagenicity	Nonhazardous.
Reproductive effects	Nonhazardous.
Teratogenicity	Nonhazardous.

12. Ecological Information

Eco-toxicity	Ecological effects for this product have not been analyzed. However, if spilled this products ingredients are harmful to aquatic life and may have long lasting effects.
Cocamidopropyl Hydroxysultaine	EC50 Algae: 1.3-2mg/l, 72 h EC50 Daphnia: 1.3-2mg/l, 48 h LC50 Fish: 1.3-2mg/l, 96 h
Benzenesulfonic Acid, Decyl(sulfophenoxy)-, Disodium Salt	EC50: Algae 42 mg/l, 96 h (acute) LC50 Daphnia 1.5 mg/l, 48 h (acute) LC50 Fathead minnow (Pimephales promelas) 3.66 mg/l, 96 h (acute) EC50 Fish 0.0126 mg/l, 32 d (chronic)
Benzenesulfonic Acid Oxybis[decyl-, Disodium Salt	EC50: Algae 42 mg/l, 96 h (acute) LC50 Daphnia 1.5 mg/l, 48 h (acute) LC50 Fathead minnow (Pimephales promelas) 3.66 mg/l, 96 h (acute) EC50 Fish 0.0126 mg/l, 32 d (chronic)
Alcohols, C6-C12, ethoxylated	LC50 (Pimephales promelas (fathead minnow)) 9.4 mg/l, 96 h LC50 (Daphnia magna (Water flea)) 14.4 mg/l, 48 h
Tetrasodium ethylenediamine Tetraacetate	LC50 Fish: (Pimephales promelas) > 100mg/l, 96 h
Potassium hydroxide	No information available
Environmental effects	Not Available
Aquatic toxicity	Harmful to aquatic organisms
Persistence and Degradability	Readily Biodegradable
Bioaccumulation/accumulation	Not Available
Partition coefficient	Not Available
Mobility in environmental media	Will likely be mobile in the environment due to its water solubility

Chemical fate information	Not Available
Other adverse effects	Not Available

13. Disposal Considerations

Waste codes	Not Available
Disposal instructions	Dispose in accordance with local, state, and federal regulations
Wastes from residues/unused product	Contain. Rinse area with water. Keep out of storm sewer/waterways.
Contaminated packaging	Dispose in accordance with all applicable regulations.

14. Transport Information

Basic shipping requirements:	DOT Regulated
Proper shipping name:	**CORROSIVE LIQUID, Basic, Inorganic (Sodium Metasilicate, Potassium Hydroxide)**
Hazard class	**Class 8**
UN number	**UN 3266**
Packing group	**III**
Special provisions	**N/A**
Packaging exceptions	**N/A**

15. Regulatory Information

U.S federal regulations	This product has been classified in accordance with the Occupational Safety and Health Administration hazard criteria and the SDS contains all of the information required by OSHA. HCS 2012
TSCA	All ingredients are commercially available and presumed to be listed by manufacturer
CERCLA Super Fund 40CFR117.302	Product contains a material with a Reportable Quantity (RQ)
SARA Title III Section 311&312	Immediate (Acute) Health Hazard
SARA Title III Section 313	Tetrasodium ethylenediamine tetraacetate, Cocamidopropyl Hydroxysultaine are subject to the reporting requirements of section 313 of Title III SARA.
States Right to Know	**CA Proposition 65**: This product contains a chemical that is at or below California Propositions 65's "safe harbor level" as determined via a risk assessment. Therefore, the chemical is not required to be listed as a Prop 65 chemical on the SDS or label. **Massachusetts Right To Know**: Potassium Hydroxide (CAS: 1310-58-3) **New Jersey Right To Know**: Potassium Hydroxide (CAS: 1310-58-3) **Pennsylvania Right To Know**: Potassium Hydroxide (CAS: 1310-58-3) **Rhode Island Right To Know**: Potassium Hydroxide (CAS: 1310-58-3)

Inventory Status

Countries	**Inventory Name**	**On Inventory (Yes/No)***
U.S.	CIL	Yes

Canada	DSL	Yes

- A “Yes” indicates that all of the components of this product comply with the inventory requirements administered by the governing country(s) listed.

16. Other Information

HMIS RATING

HMIS Legend

Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

Health	3
Flammability	0
Reactivity	**1**
Personal Protection	**B**

Disclaimer

To the best of our knowledge, the information included herein is accurate**.** However, neither the above named supplier nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of the suitability of any material is the responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

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