



NATIONAL PURITY, LLC.
6840 SHINGLE CREEK PKWY, STE 23
BROOKLYN CENTER, MN 55430
(612) 672-0022

SAFETY DATA SHEET

1. Product and Company Identification

Product Name	STEIN'S GLASS CLEANER
Product Number	P482
Product Type	Mixture
Product Use	Glass cleaner
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

2. Hazards Identification

GHS Classification in accordance with 29 CFR 1910 OSHA HCS

Flammable liquid, (Category 3) H226
Skin irritation, (Category 2) H315
Eye irritation, (Category 2/2A) H319
Specific target organ toxicity, single exposure (Category 3) Central nervous system, H336

GHS Label elements, including precautionary statements

Pictogram



Signal word

Danger

Hazard Statements

H226	Flammable liquid and vapor
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

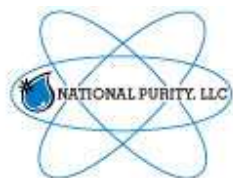
Precautionary Statements

Prevention

P210	Keep away from heat/sparks/open flames/hot surfaces and other sources of ignition. No smoking.
P233	Keep container tightly closed.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
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.
P271	Use only outdoors or in a well ventilated area.

Response

P370+P378	In case of fire, dry sand, dry chemical or alcohol resistant foam.
P303+P361+p353	IF ON SKIN, wash thoroughly with soap and water and rinse with plenty of water.
P332+P313	Call a POISON CENTER/doctor if irritation occurs or if feeling unwell.
P362+P364	Take off contaminated clothing and wash before reuse.



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: remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if having difficulty breathing or feeling unwell.

Storage/Disposal

P403+P235+P340

Store in a well ventilated place. Keep cool. Keep container tightly closed.

P405

Store locked up.

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	%
Isopropyl alcohol	67-63-0	H225, H319, H336	10-20%
2-Butoxyethanol	111-76-2	H227, H315, H320, H335	5-10%

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

Wash with soap and water and rinse thoroughly with cool running water. Remove contaminated clothing. Get immediate medical attention if irritation persists.

If Ingested

Rinse mouth with water. **Do not induce vomiting.** Obtain medical attention if feeling unwell. 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

Flammable.

Extinguishing media

Use dry chemical, alcohol resistant foam, carbon dioxide. or water fog.

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.

Unusual Fire, Explosion hazards

Containers may melt or rupture from heat of fire. May form combustible mixtures with air when heated. Water or foam may cause frothing which can be violent if sprayed into containers of hot, burning liquid.

6. Accidental Release Measures

Personal precautions

Keep unnecessary personal 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. Eliminate all nearby sources of ignition and extinguish nearby heat sources and open flames. Small spills, absorb or cover with dry earth, sand, or other inert non combustible absorbent material and place in waste containers for disposal. Large spills, dike area to prevent from spreading. If possible, pump liquid to disposal containers. Remaining liquid can be treated as a small spill and absorbed with suitable non combustible material and placed into disposal containers.

Environmental precautions

Avoid spills. Keep out of waterways.

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. Keep away from heat or sources of ignition. Store locked up. Empty containers may contain product residue that can ignite with explosive force. Drain and purge containers to remove material residues.

8. Exposure Controls and Personal Protection

Exposure Limits

Ingredients	CAS#	OSHA PEL	ACGIH TLV
Isopropyl alcohol	67-63-0	400ppm TWA, 980mg/m ³ PEL	Not available
2-Butoxyethanol	111-76-2	Not available	Not available

Engineering controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of mists and vapors below the recommended exposure limits. Provide eye wash facility near by.

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.

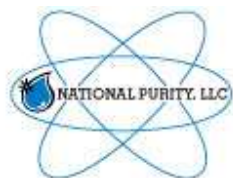
General hygiene considerations

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	Colorless
Odor	Sweet scent
Odor threshold	Not established
pH	10.1-10.5 (concentrate)
Melting/freezing point	Not established
Initial Boiling point	Not established
Flash point	82° F. (28° C.) Estimate
Evaporation rate	Not established
Flammability	Flammable
Upper/lower flammability or Explosive limits	Not established
Vapor pressure	Not established
Vapor density	4-8 (air = 1)
Specific gravity/density	0.95-0.97



Solubility in water
VOC
% Volatile
Other Safety Information

Miscible in all proportions
< 30%
Approx. 99%

10. Stability and Reactivity

Reactivity
Chemical Stability
Hazardous reactions
Conditions to avoid
Incompatible materials
Hazardous decomposition products
Hazardous polymerization

Non reactive under normal storage and use.
Stable under normal storage conditions.
None known.
Heat, sparks or open flame. Do not mix with other chemicals.
Strong acids, alkalis, strong oxidizing agents.
May include but not limited to oxides of carbon.
Will not occur

11. Toxicological Information

Ingredients

Isopropyl alcohol
2-Butoxyethanol

LC50

16000 ppm (inhalation-rat 8 hours)
Not available

Ingredients

Isopropyl alcohol
2-Butoxyethanol

LD50

5,045 mg/kg (oral-rat), 12,800 mg/kg (dermal-rabbit)
Not available

Eye

Causes serious eye irritation

Skin

Causes skin irritation.

Ingestion

Not expected to be hazardous upon ingestion.

Inhalation

May cause drowsiness or dizziness

Sensitization

No data available.

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. IARC Group 3 Not classifiable as to its carcinogenicity to humans (isopropanol)

Mutagenicity

No data available.

Reproductive effects

No data available.

Teratogenicity

No data available.

12. Ecological Information

Eco-toxicity

Ecological effects for this product have not been analyzed. However, if spilled this products ingredients are not expected to be harmful to aquatic life.

Aquatic toxicity

Isopropyl alcohol,

LC50- Pimephales promelas (fathead minnow): 9,640 mg/l -24 hours

EC50-Daphnia magna (water flea): 5,102 mg/l 24 hour

EC50-Algae: >1000 mg/l – 24 hour

Environmental effects

No data available

Persistence and Degradability

No data available.

Bioaccumulation/accumulation

No data available.

Partition coefficient

No data available.

Mobility in environmental media

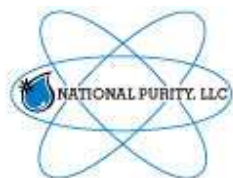
No data available.

Chemical fate information

No data available.

Other adverse effects

No data available.



13. Disposal Considerations

Waste codes	Not Available
Disposal instructions	Dispose in accordance with local, state, and federal regulations
Wastes from residues/unused product	Containerize. 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:	US DOT regulated
Proper shipping name:	Flammable liquid, n.o.s.(contains Isopropyl alcohol)
Hazard class	3
UN number	1993
Packing group	III
Special provisions	
Packaging exceptions	49CFR173.150 Limited quantity. Inner packaging not over 1.3 gallons is excepted from labeling for ground shipments.

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 listed on the Toxic Substances Control Act	
CERCLA Super Fund 40CFR117.302	Product contains a material with a Reportable Quantity (RQ)	
2-Butoxyethanol	RQ = 5000 Lbs.	
SARA Title III Section 311&312	Immediate (Acute) Health Hazard Isopropanol CAS#67-63-0 2-Butoxyethanol CAS#111-76-2	
SARA Title III Section 313	Ingredients subject to the reporting requirements of section 313 of Title III SARA: Isopropanol CAS#67-63-0 2-Butoxyethanol CAS#111-76-2	
States Right to Know	Reportable chemicals: Isopropanol CAS#67-63-0 2-Butoxy ethanol CAS#111-76-2	
Warning	This product does not contain achemical known to the state of California to cause cancer.	
Inventory Status	Inventory Name	On Inventory (Yes/No)*
Countries		
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	2
Flammability	3
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.

Issue date

June 1, 2015

Supersedes date

Previous issues

Reason for update

Conform to GHS OSHA HCS 2012

Expiration date

June 1, 2018