



World Class Cleaning & Hygiene Solutions™

NATIONAL CHEMICAL LABORATORIES, INC.

SAFETY DATA SHEET

Section 1 - Identification

Product Identifier SEA BRITE Glass & Surface Cleaner
Other means of identification 2002
Recommended use Aerosol Glass Cleaner
Recommended restrictions For commercial and industrial use only.

Manufacturer / Importer / Supplier / Distributor Information

Company Name National Chemical Laboratories of PA, Inc.
Address 401 N. 10th Street - Philadelphia, PA 19123
Telephone 1 (215) 922-1200
Supplier Email info@nclonline.com
Contact CHEM-TEL
Emergency Phone 1 (800) 255-3924

Section 2 - Hazard(s) Identification

	Classification	Category
Physical Hazards	Gases Under Pressure, Compressed Gas	
	Flammable Aerosols	2
Health Hazards	Acute toxicity, inhalation	4
	Serious eye damage/eye irritation	2B
	Skin corrosion/irritation	2
OSHA defined hazards	Not Classified.	

Label Elements

Hazard Symbol



Signal Word

Warning

Hazard Statement

Flammable aerosol. Contains gas under pressure; may explode if heated. Causes eye irritation. Causes skin irritation. Harmful if swallowed. Harmful if inhaled.

Precautionary statement

Prevention

Keep away from heat/sparks/open flames/hot surfaces. No smoking. Avoid breathing mist or vapor. Wear eye/face protection. Wash thoroughly after handling. Keep out of reach of children.

Response

IF SWALLOWED: Immediately call a POISON Center or doctor/physician. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Storage

Protect from sunlight. Do not expose to temperatures exceeding 122°F/50°C. Store in a well-ventilated place.

Disposal

Dispose of waste and residues in accordance with local authority requirements.

Hazard(s) not otherwise classified (HNOC)

None known.

Section 3 - Composition/Information on ingredients

Mixture

Hazardous Components

Ingredient Name	CAS #	%
Ethyl Alcohol	64-17-5	3 - 7
Isobutane	75-28-5	1 - 5
2-Butoxyethanol	111-76-2	0.1 - 1
Propane	74-98-6	0.1 - 1
Ammonium Hydroxide	1336-21-6	0.1 - 1

Section 4 - First-aid Measures

Inhalation

Move to fresh air and keep at rest. Call a physician if symptoms develop and persist.

Skin contact

Wash off with soap and water. Get medical attention if irritation develops and persists.

Eye contact

Rinse with water. Get medical attention if irritation develops and persists.

SAFETY DATA SHEET

Ingestion	Rinse mouth. Do not induce vomiting without advice from poison control center.
Most Important symptoms or effects, acute and delayed	Eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause an allergic skin reaction.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General Information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

Section 5 - Fire-fighting measures

Suitable extinguishing media	Water fog. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	Contents under pressure. Containers may explode when heated.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire-fighting equipment /instructions	In case of fire: Stop leak if safe to do so. Do not move cargo or vehicle if cargo has been exposed to heat. Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out.
Specific Methods	Use standard firefighting procedures and consider the hazards of other involved materials.

Section 6 - Accidental release measures

Personal precautions, protective equipment and emergency procedures.	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.
Methods and materials for containment and cleaning up	Refer to attached safety data sheets and/or instructions for use. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Prevent entry into water ways, sewer, basements or confined areas. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

Section 7 - Handling and storage

Precautions for safe handling	HARMFUL IF INHALED OR SWALLOWED. VAPOR HARMFUL. EYE, SKIN AND RESPIRATORY IRRITANT. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Ground and bond containers when transferring material. Do not re-use empty containers. Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Keep out of reach of children. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities	Level 1 Aerosol. Contents under pressure. Do not expose to heat or store at temperatures above 122°F/50°C as can may burst. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS).

Section 8 - Exposure control/personal protection

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
2-Butoxyethanol (CAS 111-76-2)	TWA	240 mg/m ³ , 50 ppm	
Ethyl Alcohol (CAS 64-17-5)	TWA	1900 mg/m ³ , 1000 ppm	
Propane (CAS 74-98-6)	PEL	1800 mg/m ³ , 1000 ppm	
Propane (CAS 74-98-6)	TWA	1000 ppm	

US. ACGIH Threshold Limit Values

Component	Type	Value	Form
2-Butoxyethanol (CAS 111-76-2)	TWA	20 ppm	
Ethyl Alcohol (CAS 64-17-5)	STEL	1000 ppm	
Propane (CAS 74-98-6)	TLV	1000 ppm	

US. NIOSH: Pocket Guide to Chemical Hazards

SAFETY DATA SHEET

Components	Type	Value
2-Butoxyethanol (CAS 111-76-2)	TWA	24 mg/m ³ , 5 ppm
Ethyl Alcohol (CAS 64-17-5)	IDLH	3300 ppm
Ethyl Alcohol (CAS 64-17-5)	TWA	1900 mg/m ³ , 1000 ppm
Propane (CAS 74-98-6)	TWA	1800 mg/m ³ , 1000 ppm

Biological limit values No biological exposure limits noted for the ingredient(s).

US. ACGIH. BEIs. Biological Exposure Indices

Components	Value	Determinate	Specimen	Sampling Time
2-Butoxyethanol (CAS 111-76-2)	200 mg/g	Butoxyacetic acid (BAA), with hydrolysis	Creatinine in urine	*

* - For sampling details, please see the source document.

Exposure guidelines Use personal protective equipment as required. Keep working clothes separately.

US. California Code of Regulations, Title 8, Section 5155. Airborne Contaminants

Components	Exposure
2-Butoxyethanol (CAS 111-76-2)	Can be absorbed though the skin.

US. Minnesota Hazardous Substances List (Minn. Rules 5206.0400).

Components	Exposure
2-Butoxyethanol (CAS 111-76-2)	Skin designation applies.

US. NIOSH: Pocket Guide to Chemical Hazards

Component	Exposure
2-Butoxyethanol (CAS 111-76-2)	Can be absorbed though the skin.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.100)

Components	Exposure
2-Butoxyethanol (CAS 111-76-2)	Can be absorbed though the skin.

US. OSHA Table Z-1-A (29 CFR 1910.100)

Components	Exposure
2-Butoxyethanol (CAS 111-76-2)	Can be absorbed though the skin.

US. Rhode Island Hazardous Substances Right-to-Know Act (R.I. Gen. Laws Section 28-21-1 et. seq.)

Components	Exposure
2-Butoxyethanol (CAS 111-76-2)	Can be absorbed though the skin.

US. Tennessee. OELs Occupational Exposure Limkits, Table Z1A

Components	Exposure
2-Butoxyethanol (CAS 111-76-2)	Can be absorbed though the skin.

Appropriate engineering controls Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

Individual protection measures, such as personal protective equipment

Eye/face protection	If contact is likely, safety glasses with side shields are recommended.
Skin protection	
Hand protection	For prolonged or repeated skin contact use suitable protective gloves.
Other	Wear suitable protective clothing.
Respiratory protection	If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

Section 9 - Physical and chemical properties

Appearance

Physical state	Gas/Liquid mixture.
Form	Aerosol. Liquefied gas. White foamy liquid.
Color	White.
Odor	Mint.
Odor threshold	Not available.
pH	10.0-11.01
Melting point/freezing point	Not available.
Initial boiling point and boiling range	Not available.

SAFETY DATA SHEET

Flash point	-156.0 °F (-104.4 °C) Propellant estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	1.9% estimated
Explosive limit - upper (%)	9.5% estimated
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	0.99 ± 0.01 (liquid)
Relative density temperature	75 °F (23.9 °C)
Solubilities (water)	Soluble (liquid)
Partition Coefficient n-octanol/water	Not available
Auto-ignition temperature	Not Available
Decomposition temperature	Not Available
Other Information	
VOC's	10.71%
Pressure	40 -52 psig @ 70F

Section 10 - Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to Avoid	Avoid heat, sparks, open flames and other ignition sources. Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous Decomposition Products	No hazardous decomposition products are known.

Section 11 - Toxicological information

Information on likely routes of exposure

Ingestion	Expected to be a low ingestion hazard.
Inhalation	May cause respiratory tract irritation. This product may be aspirated onto the lungs and cause chemical pneumonitis.
Skin contact	Causes skin irritation. May cause sensitization by skin contact. Prolonged or repeated skin contact may cause drying, cracking, or irritation.
Eye contact	Causes eye irritation.
Symptoms related to the physical, chemical and toxicological characteristics	Eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Information on toxicological effects.

Acute toxicity May be harmful if swallowed.

Components	Level	Type	Code	Species	Results
2-Butoxyethanol (CAS 111-76-2)	Acute	Dermal	LD50	Rabbit	400 mg/kg
	Acute	Inhalation	LC50	Mouse	700 ppm, 7 hours
	Acute	Inhalation	LC50	Rat	450 mg/l, 4 hrs
	Acute	Oral	LD50	Guinea pig	1.2 g/kg
	Acute	Oral	LD50	Mouse	1519 mg/kg
	Acute	Oral	LD50	Rabbit	0.32 g/kg
	Acute	Oral	LD50	Rat	560 mg/kg
Ethyl Alcohol (CAS 64-17-5)	Acute	Dermal	LD50	Rabbit	>2000 mg/kg
	Acute	Dermal	LD50	Rat	10470 mg/kg
	Acute	Inhalation	LC50	Rat	117 - 125 mg/l, 4 h
	Acute	Oral	LD50	Rat	2000 mg/kg
Propane (CAS 74-98-6)	Acute	Inhalation	LC50	Mouse	52%, 120 minutes
	Acute	Inhalation	LC50	Mouse	1237 mg/l, 120 Minutes
	Acute	Inhalation	LC50	Rat	1355 mg/l 658mg/l/4h

Skin corrosion/irritation Prolonged skin contact may cause temporary irritation.

SAFETY DATA SHEET

Serious eye damage/ eye irritation	Causes eye irritation.		
Respiratory sensitization	This product is not expected to cause respiratory sensitization.		
Skin sensitization	May cause sensitization by skin contact.		
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.		
Carcinogenicity	Risk of cancer cannot be excluded with prolonged exposure.		
IARC Monographs. Overall Evaluation of Carcinogenicity			
	Component	Result	Comment
	2-Butoxyethanol (CAS 111-76-2)	3	Not classifiable as to carcinogenicity to humans.
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.		
Specific target organ toxicity - single exposure	Not classified.		
Specific target organ toxicity - repeated exposure	Not classified.		
Aspiration hazard	Not likely, due to the form of the product.		
Chronic effects	Prolonged inhalation may be harmful. May be harmful if absorbed through skin.		

Section 12 - Ecological Information

Ecotoxicity	Readily biodegradable.	
Persistence and degradability	No data is available on the degradability of this product.	
Bioaccumulative potential	No data available.	
Partition coefficient n-octanol / water log (Kow)		
	Components	Results
	2-Butoxyethanol (CAS 111-76-2)	0.83
	Ethyl Alcohol (CAS 64-17-5)	-0.31
	Propane (CAS 74-98-6)	2.36
Mobility in soil	No data available.	
Mobility in general	No data available.	
Other adverse effects	No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.	

Section 13 - Disposal considerations

Disposal instructions	Consult authorities before disposal. Contents under pressure. Do not puncture, incinerate or crush. Dispose of contents/container in accordance with local/regional/national/international regulations.
Local disposal regulations	Dispose in accordance with all applicable regulations.
Hazardous waste code	The waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Waste from residues / unused products	Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.
Contaminated packaging	Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied. Do not re-use empty containers.

Section 14 - Transport information

DOT

UN number	UN1950
Proper shipping name	Aerosols, flammable
Transport hazard class(es)	2.1
Packing group	Not Applicable.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Labels required	None/Ninguno
Special provisions	N82
Packaging exemption	306
Packaging non bulk	None/Ninguno
Packaging bulk	None/Ninguno

IATA

UN number	UN1950
UN proper shipping name	Aerosols, flammable
Transport hazard class(es)	2.1
Packaging group	Not Applicable.
Environmental hazards	No

SAFETY DATA SHEET

Labels required	2.1
ERG Code	10L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other Information	
Passenger and Cargo aircraft	Allowed.
Cargo aircraft only	Allowed.
Packaging Exceptions	LTD QTY
IMDG	
UN number	UN1950
UN proper shipping name	AEROSOLS
Transport hazard class(es)	2.1
Packaging group	Not Applicable.
Environmental hazards	No
Marine pollutant	
Labels required	None
EmS	F-D, S-U
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Packaging Exceptions	LTD QTY
Transportation in bulk according to Annex II of MARPOL 73/78 and IBC Code	Not applicable.
General Information	IMDG Regulated Marine Pollutant

Section 15 - Regulatory Information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

TSCA Section 12(b) Export Notification (40 CFR707, Subpt. D)	Not regulated.	
Components	% by Weight	Comment
Ethyl Alcohol (CAS 64-17-5)	3 - 7	
Isobutane (CAS 75-28-5)	1 - 5	
Propane (CAS 74-98-6)	0.1 - 1	
Ammonium Hydroxide (CAS 1336-21-6)	0.1 - 1	

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not listed	
Component	Result	Comment
Ethyl Alcohol (CAS 64-17-5)		
Propane (CAS 74-98-6)		

CERCLA Hazardous Substance List (40 CFR 302.4)	
Components	Result
Ethyl Alcohol (CAS 64-17-5)	LISTED
2-Butoxyethanol (CAS 111-76-2)	LISTED
Ammonium Hydroxide (CAS 1336-21-6)	LISTED

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories	Immediate Hazard	Yes
	Delayed Hazard	No
	Fire Hazard	Yes
	Pressure Hazard	Yes
	Reactivity Hazard	No
SARA 302 Extremely hazardous substance		Not regulated.
SARA 311/312 Hazardous chemical		No

SARA 313 (TRI reporting)

Chemical name	CAS #	% by wt.
2-Butoxyethanol	111-76-2	0.1 - 1
Ammonium Hydroxide	1336-21-6	0.1 - 1

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List	Not regulated.
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)	Diethylene glycol monoethyl ether (CAS 111-90-0)

SAFETY DATA SHEET

Safe Drinking Water Act (SDWA) Not regulated.
 Food and Drug Administration (FDA) Not regulated.

US state regulations

US.Massachusetts RTK - Substance List	Components Ethyl Alcohol (CAS 64-17-5) 2-Butoxyethanol (CAS 111-76-2) Propane (CAS 74-98-6)
US.New Jersey Worker and Community Right-to-Know Act	Components Ethyl Alcohol (CAS 64-17-5) 2-Butoxyethanol (CAS 111-76-2) Propane (CAS 74-98-6)
US.Pennsylvania RTK - Hazardous Substances	Components Ethyl Alcohol (CAS 64-17-5) 2-Butoxyethanol (CAS 111-76-2) Propane (CAS 74-98-6)
US.Rhode Island RTK	Components 2-Butoxyethanol (CAS 111-76-2) Propane (CAS 74-98-6)
US - California Proposition 65	California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to expose you to any chemicals currently listed as carcinogens or reproductive toxins.

International Inventories

Country(s) or region	Inventory Name	On Inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCs)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances	No
Unites States Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

*A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

Section 16 - Other information, including date of preparation or last version

Revision date 6/1/2023
 Version # 02

HMIS Hazard Codes PPE A

Disclaimer The information contained herein was obtained from current and reliable sources. However, the data is provided without any warranty, expressed or implied, regarding its correctness or accuracy. Since the conditions for use, handling, storage and disposal of this product are beyond the manufacturer's control, it is the user's responsibility both to determine safe conditions for use of this product and to assume liability for loss, injury, damage or expense arising from the product's improper use. No warranty, expressed or implied, regarding the product described herein shall be created by or inferred from any statement or omission in this SDS. Various government agencies may have specific regulations concerning the transportation, handling, storage, use or disposal of this product which may not be reflected in this SDS. The user should review these regulations to ensure full compliance.