



ENVIRONMENTALLY RESPONSIBLE Glass & Window Cleaner Super Concentrate

19

DESCRIPTION

A unique glass and window cleaner made with no phosphates, solvents, or nonylphenol ethoxylate surfactants. Readily biodegradable with no VOC's, no added fragrance, no silicates, no chelating agents or caustics. Ideal for all types of glass, windows, mirrors and Plexiglas. Highly concentrated for added cost savings and environmental source reduction.

FEATURES / BENEFITS

- Environmentally Responsible / Ingredients are readily biodegradable
- Made with no harsh caustics or acids or ammonia / Safe for workers using the product
- Made with Naturally-Derived Surfactants / Less impact on the environment
- Removes greasy fingerprints and oil from glass / Increases cleaning efficiency

DIRECTIONS FOR USE

FOR SPRAY & WIPE CLEANING: Dilute Earth Sense® Glass & Window Cleaner at a rate of 1:100 (1.3 oz per gallon). Use cold tap water only. Apply cleaner solution onto a clean microfiber cleaning cloth. Using the moistened microfiber cloth, apply cleaner to surfaces and scrub

as needed. Then wipe dry with a clean microfiber cleaning cloth. For use on all glass, windows, mirrors, Plexiglas surfaces.

SPECIFICATIONS

Appearance Clear Liquid
Color Blue
Fragrance None
Specific Gravity (gr/cc) 1.14
Density (lbs/gal) 9.53
Flash Point None
pH (Concentrate): 11.6 ± 0.5
pH (Use Dilution 1:100): 11.4 ± 0.5

Biodegradable Yes
Environmentally Responsible Yes
Added Fragrance None
Nonylphenol Ethoxylates None
Phosphates None
Caustics None
VOC.s None
Contact with concentrate None

ENVIRONMENTAL RECOGNITIONS



This product meets the Green Seal™ environmental standard for industrial and institutional cleaners based on its reduced human and environmental toxicity and reduced volatile organic compound content, with acute toxicity met at the as-used dilution.



This product is recognized by EPA's Design for the Environment ("DfE") program which seeks to promote the use of products with improved environmental and human health characteristics.



This seal is your assurance that designated NCL Earth Sense® products are formulated to promote human health, worker safety, and a more sustainable environment.

DISPOSE OF UNUSED PRODUCT IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REGULATIONS - PLEASE RECYCLE CONTAINER

PPE INFORMATION: Respiratory protection is generally not required. No special ventilation is normally required. The use of safety glasses is recommended. No other protective equipment is required.

ENVIRONMENTAL PROFILE

Chemical Ingredients:

Phosphates: None
Ammonia: None
Butyl: None
Ethanolamine: None
APE/NPE: None
Added Fragrances: None
Silicates: None
Chelating Agents: None
Free Alkali: None

Environmental Impact:

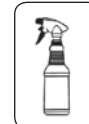
Harmful to water systems: No
Biodegradable: Rapidly
Recyclable Container: Yes
Naturally Derived Surfactants: Yes
Reactive: No
Flammable: No
Combustible: No

Human Toxicity*:

Skin Corrosive: No
Eye Corrosive: No
Skin Sensitizer: No
Eye Sensitizer: No
Skin Irritant: No
Eye Irritant: No
Low Toxicity Yes
Non-Toxic (LD-50): Yes

* Human toxicity profile is based on ready-to-use product.

HMIS HAZARD CODE	
1	HEALTH
0	FLAMMABILITY
0	REACTIVITY
A	PERSONAL PROTECTION



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World Class Cleaning Solutions®

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TDS-4019-0909

SAFETY DATA SHEET

Section 1 - Identification

Product Identifier Earth Sense® TP #19 Glass & Window Cleaner (Concentrate)
Other means of identification 4019
Recommended use 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	Not Classified	
Health Hazards	Serious eye damage/eye irritation	2B
OSHA defined hazards	Not Classified.	
Label Elements		
Hazard Symbol	None.	
Signal Word	Warning	
Hazard Statement	Causes eye irritation.	
Precautionary statement		
Prevention	Wear eye/face protection. Wash thoroughly after handling.	
Response	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	Store away from incompatible materials.	
Disposal	Dispose of waste and residues in accordance with local authority requirements.	
Hazard(s) not otherwise classified (HNOC)	Not classified.	

Section 3 - Composition/Information on ingredients

Mixture

Hazardous Components	Ingredient Name	CAS #	%
	Surfactant & Complexing agent	Mixture	60 - 80

Composition Comments Chemical identity of the components is a trade secret of the manufacturer.
 Components not listed are either non-hazardous or are below reportable limits.

Section 4 - First-aid Measures

Inhalation Move to fresh air. Get medical attention if symptoms occur.

Skin contact Remove contaminated clothing and shoes. Wash skin with soap and water. Get medical attention if irritation develops or persists.

Eye contact Immediately rinse eyes with water. Remove any contact lenses, and continue flushing eyes with running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. If irritation persists, get medical attention.

Ingestion Rinse mouth thoroughly with water. DO NOT induce vomiting. If victim is fully conscious, give a cupful of water. Never give anything by mouth to an unconscious person. If vomiting occurs, keep head lower than the hips to help prevent aspiration. Call a physician or poison control center immediately.

Most Important symptoms / effects, acute and delayed Causes eye irritation. Prolonged skin contact may cause irritation.

Indication of immediate medical attention and special treatment Treat symptomatically.

SAFETY DATA SHEET

General Information	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
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Section 5 - Fire-fighting measures

Suitable extinguishing media	Water spray, fog, CO2, dry chemical, or alcohol resistant foam.
Unsuitable extinguishing media	None known.
Specific hazards arising from the chemical	None known.
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	Move containers from fire area if you can do it without risk. Use water spray to keep fire-exposed containers cool.

Section 6 - Accidental release measures

Personal precautions, protective equipment and emergency procedures.	Isolate area. Keep unnecessary personnel away. Use personal protection as recommended in Section 8 of the SDS.
Methods and materials for containment and cleaning up	SMALL SPILLAGE: Absorb spillage with suitable absorbent material. LARGE SPILLS: Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. After removal flush contaminated area thoroughly with water.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

Section 7 - Handling and storage

Precautions for safe handling	Avoid contact with eyes, skin, and clothing. Use Personal Protective Equipment recommended in section 8 of the SDS.
Conditions for safe storage, including any incompatibilities	Store away from incompatible materials. Keep container closed.

Section 8 - Exposure control/personal protection

Occupational exposure limits	No exposure limits noted for ingredient(s).
Biological limit values	No biological exposure limits noted for the ingredient(s).
Exposure guidelines	Use personal protective equipment as required. Keep working clothes separately.
Appropriate engineering controls	Provide adequate ventilation and minimize the risk of inhalation of vapors and mists. Provide easy access to water supply and eye wash facilities.
Individual protection measures, such as personal protective equipment	
Eye/face protection	Wear safety glasses with side shields (or goggles).
Skin protection	
Hand protection	Not required for casual contact. For prolonged contact wear protective gloves. Suitable gloves can be recommended by the glove supplier.
Other	If conditions risk exposure, wear appropriate chemical resistant clothing.
Respiratory protection	In case of inadequate ventilation, use respiratory protection.
Thermal hazards	Wear appropriate thermal protective clothing, when necessary.
General hygiene considerations	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	Clear.
Physical state	Liquid.
Form	Liquid.
Color	Blue.
Odor	None. No fragrance added.
Odor threshold	Not available.
pH	11.5 ± 0.5 (Conc) 10.4 ± 0.5 (1:100)
Melting point/freezing point	Not available.
Initial boiling point and boiling range	212 °F (100 °C)
Flash point	> 212.0 °F (> 100.0 °C)
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or explosive limits	
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.

SAFETY DATA SHEET

Explosive limit - upper (%)	Not available.
Vapor pressure	Similar to water.
Vapor density	Similar to water.
Relative density	1.09 ± 0.01
Relative density temperature	75 °F (23.89 °C)
Solubilities	100 % Soluble.
Partition Coefficient n-octanol/water	Not available
Auto-ignition temperature	Not Available
Decomposition temperature	Not Available
Viscosity	< 10 cP
Viscosity Temperature	75 °F (23.89 °C)

Section 10 - Stability and reactivity

Reactivity	The product is non-reactive under normal conditions of use, storage and transport.
Chemical stability	Stable at normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Conditions to Avoid	Contact with incompatible materials.
Incompatible materials	Oxidizing agents.
Hazardous Decomposition Products	None known.

Section 11 - Toxicological information

Information on likely routes of exposure

Ingestion	May be harmful if swallowed.
Inhalation	Under normal conditions of intended use, this material is not expected to be an inhalation hazard.
Skin contact	Prolonged skin contact may cause irritation.
Eye contact	Causes eye irritation.

Symptoms related to the physical, chemical and toxicological characteristics Causes skin and eye irritation.

Information on toxicological effects.

Acute toxicity	May be harmful if swallowed.
Skin corrosion/irritation	Prolonged skin contact may cause irritation.
Serious eye damage/ eye irritation	Causes eye irritation.
Respiratory sensitization	Not classified.
Skin sensitization	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not available.

Section 12 - Ecological Information

Ecotoxicity	The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.
Persistence and degradability	The product is expected to be biodegradable.
Bioaccumulative potential	Not known.
Mobility in soil	Not available.
Mobility in general	The product is water soluble and may spread in water systems.
Other adverse effects	None known.

Section 13 - Disposal considerations

Disposal instructions	Dispose in accordance with applicable federal, state, and local regulations.
Local disposal regulations	Dispose of in accordance with local regulations.
Hazardous waste code	Waste codes should be assigned by the user based on the application for which the product was used.

SAFETY DATA SHEET

Waste from residues / unused products	Dispose in accordance with all applicable regulations.
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

Section 14 - Transport information

DOT	Not regulated as dangerous goods.
IATA	Not regulated as dangerous goods.
IMDG	Not regulated as dangerous goods.
Transportation in bulk according to Annex II of MARPOL 73/78 and IBC Code	This substance/mixture is not intended to be transported in bulk.

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.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)	Not regulated.
US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not on regulatory list.
CERCLA Hazardous Substance List (40 CFR 302.4)	Not listed.
Superfund Amendments and Reauthorization Act of 1986 (SARA)	
Hazard Categories	Immediate Hazard Yes
	Delayed Hazard No
	Fire Hazard No
	Pressure Hazard No
	Reactivity Hazard No
SARA 302 Extremely hazardous substance	No
SARA 311/312 Hazardous chemical	Yes
SARA 313 (TRI reporting)	Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HSPs) List	Not regulated.
Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)	
Safe Drinking Water Act (SDWA)	Not regulated.
Food and Drug Administration (FDA)	Not regulated.

US state regulations

US.Massachusetts RTK - Substance List	Not regulated.
US.New Jersey Worker and Community Right-to-Know Act	Not listed.
US.Pennsylvania RTK - Hazardous Substances	Not listed.
US.Rhode Island RTK	Not regulated.
US - California Proposition 65	California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain 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)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances	Yes
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

Issue date	11/26/2014
Version #	01
Further information	Meets Green Seal's requirments for acute toxicity at the as-used dilution.
References	HSDB® - Hazardous Substances Data Bank HPVIS - High Production Volume Information System

SAFETY DATA SHEET

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.

ENVIRONMENTALLY RESPONSIBLE

Earth Sense®



Glass & Window Cleaner

A unique glass and window cleaner made with no phosphates, solvents, or nonylphenol ethoxylate surfactants. Readily biodegradable with no VOC's, no added dyes or fragrance, no silicates, no chelating agents or caustics. Ideal for all types of glass, windows, mirrors and Plexiglas™.

CAUTION: MAY BE HARMFUL IF SWALLOWED. See back panel for additional precautions and treatment.

NCL® National Chemical Laboratories, Inc.
World Class Cleaning Solutions®
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Net Contents: 1/2 Gallon (1.83 Liters)
Product No.: 4019

Directions:

Quart Dilution Instructions: Dilute product concentrate 0.32 oz. per quart (32 oz) of water (1:100). Use cold tap water only.

Gallon Dilution Instructions: Dilute product concentrate 1.28 oz per gallon of water (1:100). Use cold tap water only.

Spray & Wipe Application: Affix ready-to-use label and trigger sprayer to pre-mixed solution. Spray product directly onto surface and spread with a clean cloth or paper towel. Wipe dry with another clean cloth or paper towel. For use on all glass, windows, mirrors, Plexiglas surfaces.

DISPOSE OF THIS CONTAINER PROPERLY - PLEASE RECYCLE

PPE Information: Respiratory protection is generally not required. No special ventilation is normally required. The use safety glasses is recommended. No other protective equipment is required.

Instrucciones para Uso:

Instrucciones de Quart de dilución: Diluir el producto concentrar 0,32 oz. por cuarto (32 onzas) de agua (1:100). Utilice agua fría del grifo.

Galón Instrucciones de dilución: Diluir el producto concentrar 1,28 oz por galón de agua (1:100). Utilice agua fría del grifo.

Spray & Limpie Aplicación: colocar listos para usar etiqueta y desencadenar pulverizador para pre-mezclados solución. Rociar el producto directamente sobre superficie y separarte con un paño limpio o una toalla de papel. Limpiar seco con otro paño limpio o fowel de papel. Para el uso sobre todo el cristal, ventanas, espejos, Plexiglas superficies.

DISPONGA DE ESTE ENVASE CORRECTAMENTE - RECICLE POR FAVOR

Información de PPE: La protección respiratoria no se requiere generalmente. No se requiere ninguna ventilación especial normalmente. Se recomiendan las gafas de seguridad del uso. No se requiere ningún otro equipo protector.

Description:

A unique glass and window cleaner made with no phosphates, solvents, or nonylphenol ethoxylate surfactants. Readily biodegradable with no VOC's, no added dyes or fragrance, no silicates, no chelating agents or caustics. Ideal for all types of glass, windows, mirrors and Plexiglas. Highly concentrated for added cost savings and environmental source reduction.

Product Benefits:

- Recognized by US EPA DfE Program (Design for the Environment)
- Environmentally Responsible / Ingredients are completely biodegradable
- Surfactants are made from renewable resources
- Economical, super concentrate formula (1:100 dilution)
- Made with no harsh caustics or acids or ammonia / Safe for workers using the product

CAUTION: MAY BE HARMFUL IF SWALLOWED. MAY CAUSE SLIGHT IRRITATION OF THE EYES. KEEP OUT OF THE REACH OF CHILDREN. Avoid contact with skin and eyes. Do not ingest. **FIRST AID: For Eyes:** Flush thoroughly with water for at least fifteen minutes. If irritation persists seek medical attention. **For Skin:** Wash thoroughly with soap and water. If irritation persists seek medical attention. **If ingested:** Do not induce vomiting. Give water. Seek medical attention. Never give anything by mouth to an unconscious person.

PRECAUCIÓN: PUEDE SER DAÑOSO SI ESTÁ TRAGADO. PUEDE CAUSAR LA IRRITACIÓN LEVE DE LOS OJOS. GUARDAR FUERA DEL ALCANCE DE NIÑOS. Evitar el contacto con la piel y los ojos. No ingerir. **PRIMEROS AUXILIOS: Para los ojos:** Limpiar con un chorro de agua a fondo con agua por lo menos quince minutos. Si persiste la irritación atención médica de la búsqueda. **Para la piel:** Colada a fondo con el jabón y agua. Si persiste la irritación atención médica de la búsqueda. **Si está ingerido:** No inducir vomitar. Dar el agua. Buscar la atención médica. Nunca dar cualquier cosa por vía oral a una persona inconsciente.

CONTAINS: This product does not contain any hazardous ingredients.

HMIS HAZARD CODE:
HEALTH: 0 FLAMMABILITY: 0 REACTIVITY: 0 PERS. PROTECTION: A

4019-29-0508



This product is recognized by EPA'S Design for the Environment ("DfE") program which seeks to promote the use of products with improved environmental and human health characteristics.



This seal is your assurance that designated NCL Earth Sense® products are formulated to promote human health and worker safety, and protect our environment.

FOR PROFESSIONAL USE ONLY

QUESTIONS?



Call (800) 628-2436

**** MADE IN USA ****