


**SAFETY DATA SHEET**

**Section 1 - Identification**

<b>Product Identifier</b>	Earth Sense <sup>®</sup> GREEN IMPACT Speed Stripper
<b>Other means of identification</b>	1053
<b>Recommended use</b>	Floor stripper.
<b>Recommended restrictions</b>	For commercial and industrial use only.
<b>Manufacturer / Importer / Supplier / Distributor Information</b>	
<b>Company Name</b>	National Chemical Laboratories of PA, Inc.
<b>Address</b>	401 N. 10th Street - Philadelphia, PA 19123
<b>Telephone</b>	1 (215) 922-1200
<b>Supplier Email</b>	info@nclonline.com
<b>Contact</b>	CHEM-TEL
<b>Emergency Phone</b>	1 (800) 255-3924

**Section 2 - Hazard(s) Identification**

SDS Hazards and Warnings are based on the undiluted product. Refer to diluted SDS for Ready-To-Use Hazards and Warnings.

	<b>Classification</b>	<b>Category</b>
<b>Physical Hazards</b>	Not Classified	
<b>Health Hazards</b>	Serious eye damage/eye irritation	2
<b>OSHA defined hazards</b>	Not Classified.	
<b>Label Elements</b>		
<b>Hazard Symbol</b>		
<b>Signal Word</b>	Warning	
<b>Hazard Statement</b>	Causes serious eye irritation.	
<b>Precautionary statement</b>		
<b>Prevention</b>	Wash thoroughly after handling. Wear eye/face protection.	
<b>Response</b>	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.	
<b>Storage</b>	Store away from incompatible materials.	
<b>Disposal</b>	Dispose of contents/container in accordance with local/regional/national/international regulations.	
<b>Hazard(s) not otherwise classified (HNOC)</b>	None known.	

**Section 3 - Composition/Information on ingredients**

<b>Mixture</b>			
<b>Hazardous Components</b>	<b>Ingredient Name</b>	<b>CAS #</b>	<b>%</b>
	Benzyl Alcohol	100-51-6	10 - 20
	2-Amino Ethanol	141-43-5	1 - 5
	Alcohols, C12-13 Ethoxylated	66455-14-9	1 - 5

**Section 4 - First-aid Measures**

<b>Inhalation</b>	Move to fresh air. Get medical attention if irritation persists.
<b>Skin contact</b>	Wash off with soap and water. Get medical attention if irritation persists.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Call a physician or poison control center.
<b>Most important symptoms /effects, acute and delayed</b>	Serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
<b>Indication of immediate medical attention and special treatment</b>	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

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**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. Foam. Dry chemical powder. Carbon dioxide (CO<sub>2</sub>).

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical** During fire, gases hazardous to health may be formed.

**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.

**General fire hazards** No unusual fire or explosion hazards noted.

**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. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. Isolate area.

**Methods and materials for containment and cleaning up** This product is miscible in water.  
SMALL SPILLAGE: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.  
LARGE SPILLS: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.  
Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Absorb spillage with suitable absorbent material. 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** Do not get in eyes, on skin, or on clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities** Store in original tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

## Section 8 - Exposure control/personal protection

### Occupational exposure limits

#### US. Workplace environmental Exposure Level (WEEL) Guides

Component	Type	Value
Benzyl Alcohol (CAS 100-51-6)	TWA	44.2 mg/m <sup>3</sup> , 10 ppm

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

Components	Type	Value	Form
2-Amino Ethanol (CAS 141-43-5)	TWA	6 mg/m <sup>3</sup> , 3 ppm	

#### US. ACGIH Threshold Limit Values

Component	Type	Value	Form
2-Amino Ethanol (CAS 141-43-5)	STEL	6 ppm	
2-Amino Ethanol (CAS 141-43-5)	TWA	3 ppm	

#### US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value
2-Amino Ethanol (CAS 141-43-5)	STEL	15 mg/m <sup>3</sup> , 6 ppm
2-Amino Ethanol (CAS 141-43-5)	TWA	8 mg/m <sup>3</sup> , 3 ppm

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

**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. 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) and a face shield.

**Skin protection**

**Hand protection** Wear appropriate chemical resistant gloves.

**Other** Wear suitable protective clothing.

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<b>Respiratory protection</b>	In case of insufficient ventilation, wear suitable respiratory equipment. Use a respirator when local exhaust or ventilation is not adequate to keep exposures below the OEL. In a confined space a supplied respirator may be required.
<b>Thermal hazards</b>	Wear appropriate thermal protective clothing, when necessary.
<b>General hygiene considerations</b>	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

<b>Appearance</b>	Clear.
<b>Physical state</b>	Liquid.
<b>Form</b>	Liquid.
<b>Color</b>	Green.
<b>Odor</b>	Mild aromatic.
<b>Odor threshold</b>	Not available.
<b>pH</b>	10.0
<b>Melting point/freezing point</b>	Not available.
<b>Initial boiling point and boiling range</b>	212 °F (100 °C)
<b>Flash point</b>	None to boiling.
<b>Evaporation rate</b>	Not available.
<b>Flammability (solid, gas)</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	
<b>Flammability limit - lower (%)</b>	Not available.
<b>Flammability limit - upper (%)</b>	Not available.
<b>Explosive limit - lower (%)</b>	Not available.
<b>Explosive limit - upper (%)</b>	Not available.
<b>Vapor pressure</b>	Similar to water.
<b>Vapor density</b>	Similar to water.
<b>Relative density</b>	1.01 ± 0.01
<b>Relative density temperature</b>	75 °F (23.89 °C)
<b>Solubilities</b>	100 % Soluble.
<b>Partition Coefficient n-octanol/water</b>	Not available
<b>Auto-ignition temperature</b>	Not Available
<b>Decomposition temperature</b>	Not Available
<b>Viscosity</b>	< 10 cP
<b>Viscosity Temperature</b>	75 °F (23.89 °C)

## Section 10 - Stability and reactivity

<b>Reactivity</b>	The product is stable and non-reactive under normal conditions of use, storage and transport.
<b>Chemical stability</b>	Stable at normal conditions.
<b>Possibility of hazardous reactions</b>	No dangerous reaction known under conditions of normal use.
<b>Conditions to Avoid</b>	Contact with incompatible materials.
<b>Incompatible materials</b>	Strong oxidizing agents.
<b>Hazardous Decomposition Products</b>	No hazardous decomposition products are known.

## Section 11 - Toxicological information

### Information on likely routes of exposure

<b>Ingestion</b>	May be harmful if swallowed.
<b>Inhalation</b>	Prolonged inhalation may be harmful.
<b>Skin contact</b>	Prolonged or repeated skin contact may cause drying, cracking, or irritation.
<b>Eye contact</b>	Causes serious eye irritation.

**Symptoms related to the physical, chemical and toxicological characteristics**  
Serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.  
Prolonged or repeated exposure may cause liver and kidney damage, these effects have not been observed in humans.

### Information on toxicological effects.

#### Acute toxicity

Components	Level	Type	Code	Species	Results
2-Amino Ethanol (CAS 141-43-5)	Acute	Dermal	LD50	Rabbit	1025 mg/kg
	Acute	Oral	LD50	Rat	1715 mg/kg
Benzyl Alcohol (CAS 100-51-6)	Acute	Dermal	LD50	Rabbit	2000 mg/kg
	Acute	Inhalation	LC100	Rat	200 - 300 mg/l,

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	Acute	Inhalation	LC50	Rat	8.8 mg/l, 4 Hou
	Acute	Oral	LD50	Mouse	1150 mg/kg
	Acute	Oral	LD50	Rat	1230 - 3100 mg
	Acute	Other	LD50	Mouse	480 mg/kg
	Acute	Other	LD50	Rat	400 mg/kg
Alcohols, C12-13 Ethoxylated (CAS 66455-14-9)	Acute	Dermal	LD50	Rat	> 2000 mg/kg, 2
	Acute	Dermal	LD50	Rabbit	3300 mg/kg, 24
	Acute	Inhalation	LC50	Rat	> 100 mg/m <sup>3</sup> , 6
					> 1.6 mg/l, 4 Hc

<b>Skin corrosion/irritation</b>	Prolonged skin contact may cause temporary irritation.
<b>Serious eye damage/ eye irritation</b>	Causes serious eye irritation.
<b>Respiratory sensitization</b>	This product is not expected to cause respiratory sensitization.
<b>Skin sensitization</b>	This product is not expected to cause skin sensitization.
<b>Germ cell mutagenicity</b>	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
<b>Carcinogenicity</b>	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
<b>Reproductive toxicity</b>	This product is not expected to cause reproductive or developmental effects.
<b>Specific target organ toxicity - single exposure</b>	Not classified.
<b>Specific target organ toxicity - repeated exposure</b>	Not classified.
<b>Aspiration hazard</b>	Not classified.
<b>Chronic effects</b>	May be harmful if absorbed through skin. Prolonged inhalation may be harmful. Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.

## Section 12 - Ecological Information

<b>Ecotoxicity</b>	The product contains a substance which is very toxic to aquatic organisms.				
<b>Component(s)</b>	2-Amino Ethanol, 141-43-5				
<b>Aquatic</b>					
Acute	Algae	EC50	Selenastrum capricornutum (new name Pseudokirchnerella subca	2.5 mg/l, 48 hours	
	Crustacea	EC50	Daphnia magna	65 mg/l, 48 hours	
	Fish	LC50	Goldfish (Carassius auratus)	170 mg/l, 96 hours	
	Fish	LC50	Cyprinus carpio	349 mg/l, 96 hours	
	Alcohols, C12-13 Ethoxylated, 66455-14-9				
<b>Aquatic</b>					
Acute	Crustacea	EC50	Water flea (Daphnia magna)	0.39 -0.56 mg/l, 48 hours	
	Fish	LC50	Flathead minnow (Pimephales promelas)	0.72 -2.7 mg/l, 96 hours	
	Benzyl Alcohol, 100-51-6				
<b>Aquatic</b>					
Acute	Fish	LC50	Bluegill (Lepomis macrochirus)	10 mg/l, 96 hours	
<b>Persistence and degradability</b>	No data is available on the degradability of this product.				
<b>Bioaccumulative potential</b>	No data available.				
<b>Partition coefficient n-octanol / water log (Kow)</b>					
	Components				Results
	Benzyl Alcohol (CAS 100-51-6)				1.1
	2-Amino Ethanol (CAS 141-43-5)				-1.31
<b>Mobility in soil</b>	No data available.				
<b>Mobility in general</b>	The product is water soluble and may spread in water systems.				
<b>Other adverse effects</b>	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

<b>Disposal instructions</b>	Dispose in accordance with applicable federal, state, and local regulations.
<b>Local disposal regulations</b>	Dispose of in accordance with local regulations.
<b>Hazardous waste code</b>	Waste codes should be assigned by the user based on the application for which the product was used.
<b>Waste from residues / unused products</b>	Dispose in accordance with all applicable regulations.
<b>Contaminated packaging</b>	Since emptied containers may retain product residue, follow label warnings even after container is emptied.

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## 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. All components are on the U.S. EPA TSCA Inventory List.

<b>TSCA Section 12(b) Export Notification (40 CFR707, Subpt. D)</b>	Not regulated.
<b>US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)</b>	Not on regulatory list.
<b>CERCLA Hazardous Substance List (40 CFR 302.4)</b>	Not listed.
<b>Superfund Amendments and Reauthorization Act of 1986 (SARA)</b>	
<b>Hazard Categories</b>	
Immediate Hazard	Yes
Delayed Hazard	No
Fire Hazard	No
Pressure Hazard	No
Reactivity Hazard	No
<b>SARA 302 Extremely hazardous substance</b>	Not listed.
<b>SARA 311/312 Hazardous chemical</b>	Yes
<b>SARA 313 (TRI reporting)</b>	Not regulated.

**Other federal regulations**

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

**US state regulations**

<b>US.Massachusetts RTK - Substance List</b>	Components 2-Amino Ethanol (CAS 141-43-5) Benzyl Alcohol (CAS 100-51-6)
<b>US.New Jersey Worker and Community Right-to-Know Act</b>	Components 2-Amino Ethanol (CAS 141-43-5)
<b>US.Pennsylvania RTK - Hazardous Substances</b>	Components 2-Amino Ethanol (CAS 141-43-5) Benzyl Alcohol (CAS 100-51-6)
<b>US.Rhode Island RTK</b>	Components 2-Amino Ethanol (CAS 141-43-5)
<b>US - California Proposition 65</b>	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)	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)	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	2/5/2015
Revision date	1/15/2015
Version #	02

## ***SAFETY DATA SHEET***

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### **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.