


SAFETY DATA SHEET

Section 1 - Identification

Product Identifier	ZOOOOM™ All-Green Speed Stripper
Other means of identification	1065
Recommended use	Floor stripper.
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

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

		Category	Target Organ
Physical Hazards	Not Classified		
Health Hazards	Serious eye damage/eye irritation	1	
	Skin corrosion/irritation	1B	
OSHA defined hazards	Not Classified.		
Label Elements			
Hazard Symbol			
Signal Word	Danger		
Hazard statement	Causes severe skin burns and eye damage.		
Precautionary statement			
Prevention	Do not breathe mist or vapor. Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.		
Response	If swallowed: Rinse mouth. Do NOT induce vomiting. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor.		
Storage	Store locked up.		
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.		
Hazard(s) not otherwise classified (HNOC)	None known.		

Section 3 - Composition/Information on ingredients

Mixture			
Hazardous Components	Ingredient Name	CAS #	%
	Benzyl Alcohol	100-51-6	5 - 10
	Ethylene Glycol Phenyl Ether	122-99-6	5 - 10
	Sodium dimethylbenzenesulfonate	1300-72-7	5 - 10
	2-Amino Ethanol	141-43-5	10 - 20
	Alcohols, C12-13 Ethoxylated	66455-14-9	1 - 5
Composition Comments			

Section 4 - First-aid Measures

Inhalation	If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if
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	symptoms persist.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. Call a physician or poison control center immediately. Chemical burns must be treated by a physician. Wash contaminated clothing before reuse.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.
Ingestion	Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Most Important symptoms /effects, acute and delayed	Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
Indication of immediate medical attention and special treatment	Provide general supportive measures and treat symptomatically. Chemical burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. 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	Alcohol resistant foam. Water fog. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
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.
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. Keep out of low areas. Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist or vapor. 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.
Methods and materials for containment and cleaning up	This product is miscible in water. SMALL SPILLS 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. Use water spray to reduce vapors or divert vapor cloud drift. 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. Prevent entry into waterways, sewer, basements or confined areas. 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.
Environmental precautions	Avoid discharge into drains, water courses or onto the ground.

Section 7 - Handling and storage

Precautions for safe handling	Do not breathe the mist or vapor. 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 locked up. 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 ³

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

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

US. ACGIH Threshold Limit Values

Component	Type	Value	Form
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2-Amino Ethanol (CAS 141-43-5)

TWA 3 ppm

US. NIOSH: Pocket Guide to Chemical Hazards

Components

Type Value

Form

2-Amino Ethanol (CAS 141-43-5)

STEL 15 mg/m³, 6 ppm

2-Amino Ethanol (CAS 141-43-5)

REL 8 mg/m³, 3 ppm

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

Exposure guidelines

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. Eye wash facilities and emergency shower must be available when handling this product.

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 appropriate chemical resistant clothing.

Respiratory protection In case of insufficient ventilation, wear suitable respiratory equipment. No personal respiratory protective equipment normally required.

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, pale yellow liquid.

Physical state Liquid.

Form Thin liquid.

Color Pale yellow.

Odor Mild.

Odor threshold Not available.

pH (Concentrate) 11.2

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 available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%) Not available.

Flammability limit - upper (%) Not available.

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure Similar to water.

Vapor density Similar to water.

Relative density 1.04 ± 0.01

Relative density temperature 75 °F (23.89 °C)

Solubilities Completely 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 stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Material is stable under normal conditions.

Possibility of hazardous reactions No dangerous reaction known under conditions of normal use.

Conditions to Avoid Contact with incompatible materials.

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Incompatible materials Strong acids. Strong oxidizing agents.
Hazardous Decomposition Products No hazardous decomposition products are known.

Section 11 - Toxicological information

Information on likely routes of exposure

Ingestion Causes digestive tract burns.
Inhalation May cause irritation to the respiratory system. Prolonged inhalation may be harmful.
Skin contact Causes severe skin burns.
Prolonged or repeated exposure may cause liver and kidney damage. These effects have not been observed in humans.
Eye contact Causes serious eye damage.

Symptoms related to the physical, chemical and toxicological characteristics Burning pain and severe corrosive skin damage. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

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,
		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		
Ethylene Glycol Phenyl Ether (CAS 122-99-6)	Acute	Oral	LD50	Rat	1260 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 ³ , 6 > 1.6 mg/l, 4 Hc	

Skin corrosion/irritation Causes severe skin burns and eye damage.
Serious eye damage/ eye irritation Causes serious eye damage.
Respiratory sensitization This product is not expected to cause respiratory sensitization.
Skin sensitization This product is not expected to cause skin sensitization.
Germ cell mutagenicity No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
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 classified.
Chronic effects 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.

Further information

Section 12 - Ecological Information

Ecotoxicity The product contains a substance which is toxic to aquatic organisms.

Components	Species	Test Results
Aquatic		
2-Amino Ethanol, 141-43-5		
EcoName	EcoCode	EcoSpecies
Algae	EC50	Selenastrum capricornutum (new name Pseudokirchnerella subca
		2.5 mg/l, 48 hours
Crustacea	EC50	Daphnia magna
Fish	LC50	Cyprinus carpio
		65 mg/l, 48 hours
		349 mg/l, 96 hours
Ethylene Glycol Phenyl Ether, 122-99-6		
Aquatic		
EcoName	EcoCode	EcoSpecies
Fish	LC50	Flathead Minnow (Pimephales promelas)
		337 - 352 mg/l, 96 hours

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Alcohols, C12-13 Ethoxylated, 66455-14-9

Aquatic

EcoName	EcoCode	EcoSpecies	EcoTestResults
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

Aquatic

EcoName	EcoCode	EcoSpecies	EcoTestResults
Fish	LC50	Bluegill (Lepomis macrochirus)	10 mg/l, 96 hours

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
Benzyl Alcohol (CAS 100-51-6)	1.1
2-Amino Ethanol (CAS 141-43-5)	-1.31
Ethylene Glycol Phenyl Ether (CAS 122-99-6)	1.16

Mobility in soil Not 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	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.
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

UN number	UN2491
UN proper shipping name	Ethanolamine solution
Transport hazard class(es)	8
Subsidiary class(es)	-
Packing group	III
Special precautions for users	Read safety instructions, SDS and emergency procedures before handling.
Labels required	
Special provisions	IB3, T4, TP1
Packaging exemption	154
Packaging non bulk	203
Packaging bulk	241

IATA

UN number	UN2491
UN proper shipping name	Ethanolamine solution
Transport hazard class(es)	8
Subsidiary class(es)	-
Packaging group	III
Environmental hazards	
Labels required	Not available.
ERG Code	8L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IMDG

UN number	UN2491
UN proper shipping name	ETHANOLAMINE SOLUTION
Transport hazard class(es)	8
Subsidiary class(es)	-
Packaging group	III
Environmental hazards	

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Marine pollutant	No.
Labels required	Not available.
EmS	F-A, S-B
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Transportation in bulk according to Annex II of MARPOL 73/78 and IBC Code	Not established.
General Information	

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.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050) Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

Components	Result
Ethylene Glycol Phenyl Ether (CAS 122-99-6)	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 Not listed.

SARA 311/312 Hazardous chemical Yes

SARA 313 (TRI reporting)

Chemical name	CAS #	% by wt.
Ethylene Glycol Phenyl Ether	122-99-6	5 - 10

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HSPs) List

Components
Ethylene Glycol Phenyl Ether (CAS 122-99-6)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

Food and Drug Administration (FDA) Not regulated.

US state regulations 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.

US.Massachusetts RTK - Substance List

Components
2-Amino Ethanol (CAS 141-43-5)
Benzyl Alcohol (CAS 100-51-6)

US.New Jersey Worker and Community Right-to-Know Act

Components
2-Amino Ethanol (CAS 141-43-5)
Ethylene Glycol Phenyl Ether (CAS 122-99-6)

US.Pennsylvania RTK - Hazardous Substances

Components
2-Amino Ethanol (CAS 141-43-5)
Benzyl Alcohol (CAS 100-51-6)
Ethylene Glycol Phenyl Ether (CAS 122-99-6)

US.Rhode Island RTK

Components
2-Amino Ethanol (CAS 141-43-5)
Ethylene Glycol Phenyl Ether (CAS 122-99-6)

US - California Proposition 65 - Carcinogens Reproductive Toxicity (CRT): Listed substance

Not listed.

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)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes

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Philippines	Philippine Inventory of Chemicals and Chemical Substances	Yes
Unites States	Toxic Substances Control Act (TSCA) Inventory	Yes
Puerto Rico		

*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 10/15/2014

Revision date

Version # 01

Further information

List of abbreviations

References

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.