


SAFETY DATA SHEET

Section 1 - Identification

Product Identifier PIZAZZ Soil & Finish Build Up Remover
Other means of identification 2008
Recommended use Soil & Floor Finish Build-Up Remover
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.

	Classification	Category
Physical Hazards	Gasses under pressure	Liquefied gas
Health Hazards	Acute toxicity, dermal	4
	Acute toxicity, inhalation	4
	Acute toxicity, oral	4
	Serious eye damage/eye irritation	1
	Skin corrosion/irritation	1B
OSHA defined hazards	Not Classified.	
Label Elements		
Hazard Symbol		
Signal Word	Danger	
Hazard Statement	Contains gas under pressure; may explode if heated. Causes severe skin burns and eye damage. Harmful if inhaled. Harmful if swallowed.	
Precautionary statement		
Prevention	Avoid breathing fume/gas/mist/vapors/spray. Wear protective gloves/protective clothing/eye protection/face protection. Pressurized container: Do not pierce or burn, even after use. 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 #	%
	2-(2-Butoxyethoxy) Ethanol	112-34-5	5 - 10
	Dipropylene Glycol Butyl Ether	29911-28-2	5 - 10
	Sodium dimethylbenzenesulfonate	1300-72-7	5 - 10
	2-Amino Ethanol	141-43-5	20 - 30
	Butane	106-97-8	1 - 4
	Propane	74-98-6	1 - 2

Composition Comments Components not listed are either non-hazardous or are below reportable limits.

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Section 4 - First-aid Measures

Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
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. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Do not induce vomiting without advice from poison control center.
Most Important symptoms /effects, acute and delayed	Burning pain and severe corrosive skin damage. Headache. Nausea, vomiting. Irritation of nose and throat. Causes serious eye damage. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. May cause respiratory irritation.
Indication of immediate medical attention and special treatment	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 fire fighting 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 waterways, 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. CAUSES SEVERE EYE AND SKIN DAMAGE. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. 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. Do not eat, drink or smoke when using this product. 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-Amino Ethanol (CAS 141-43-5)	TWA	6 mg/m ³ , 3 ppm	
Butane (CAS 106-97-8)	TWA	1000 ppm	
Propane (CAS 74-98-6)	TWA	1000 ppm	

US. ACGIH Threshold Limit Values

Component	Type	Value	Form
Propane (CAS 74-98-6)	TLV	1000 ppm	
Butane (CAS 106-97-8)	TLV	1000 ppm	
2-Amino Ethanol (CAS 141-43-5)	STEL	6 ppm	

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

TWA 3 ppm

2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)

TWA 10 ppm

Inhalable fraction and vapor.

US. NIOSH: Pocket Guide to Chemical Hazards

Components

Type Value

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

STEL 15 mg/m³, 6 ppm

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

TWA 8 mg/m³, 3 ppm

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

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

Wear approved chemical safety goggles. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Skin protection

Hand protection

Wear chemical-resistant, impervious gloves. Suitable gloves can be recommended by the glove supplier.

Other

If conditions risk exposure, 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. Clear, thin liquid.

Color

Straw.

Odor

Ammoniacal.

Odor threshold

Not available.

pH

12.3

Melting point/freezing point

Not available.

Initial boiling point and boiling range

212 °F (100 °C) liquid

Flash point

No flash point.

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

Not available.

Vapor density

Not available.

Relative density

1.02 ± 0.01 @ (75°F) (liquid)

Relative density temperature

75 °F (23.89 °C)

Solubilities

Soluble. (liquid)

Partition Coefficient n-octanol/water

Not available.

Auto-ignition temperature

Not available.

Decomposition temperature

Not available.

Viscosity

Not available.

Viscosity Temperature

75 °F (23.89 °C)

Other Information

VOC's

5 - 6 %

Pressure

68 - 80 psig @ 70F

Section 10 - Stability and reactivity

Reactivity

The product is stable and non-reactive under normal conditions of use, storage and transport.

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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	Causes digestive tract burns.
Inhalation	May cause respiratory tract irritation. This product may be aspirated onto the lungs and cause chemical pneumonitis.
Skin contact	Causes severe skin burns.
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 May be harmful if swallowed.

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
2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)	Acute	Dermal	LD50	Rabbit	2764 mg/kg, (N
	Sodium dimethylbenzenesulfonate (CAS 1300-72-7)	Acute	Dermal	LD50	Rabbit
Acute		Oral	LD50	Rat	7200 mg/kg

Skin corrosion/irritation Causes severe skin burns. Prolonged or repeated skin contact may cause drying.

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 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 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 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-Amino Ethanol (CAS 141-43-5)	-1.31
2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)	0.56
Dipropylene Glycol Butyl Ether (CAS 29911-28-2)	1.52 (est.)

Mobility in soil 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.

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Section 14 - Transport information

DOT

UN number	UN1950
Proper shipping name	Aerosols
Transport hazard class(es)	2.2
Subsidiary class(es)	8
Packing group	Not Applicable.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Labels required	2.2, 8
Packaging exemption	306
Packaging non bulk	None/Ninguno
Packaging bulk	None/Ninguno
Comment	This product meets the exception requirements of section 173.306 as a limited quantity and may be shipped as a limited quantity until 12/31/2020, the "Consumer Commodity - ORM-D" marking may still be used in place of the new limited quantity diamond mark for packages of UN 1950 Aerosols. Limited quantities require the limited quantity diamond mark on cartons after 12/31/20 and may be used now in place of the "Consumer Commodity ORM-D" marking and both may be displayed concurrently.

IATA

UN number	UN1950
UN proper shipping name	Aerosols, non-flammable, corrosive, containing substances in Class 8, Packing Group III
Transport hazard class(es)	2.2
Subsidiary class(es)	8
Packaging group	Not Applicable.
Environmental hazards	No.
Labels required	2.2, 8
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)	2.2
Subsidiary class(es)	8
Packaging group	Not Applicable.
Environmental hazards	No.
Marine pollutant	
Labels required	2.2, 8
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.

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)

Components	Result	Comment
Butane (CAS 106-97-8)	N/A%	
Propane (CAS 74-98-6)	20-30%	

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

CERCLA Hazardous Substance List (40 CFR 302.4)

Components	Result
2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)	LISTED

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories	Immediate Hazard	Yes
	Delayed Hazard	No

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Fire Hazard No
 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-(2-Butoxyethoxy) Ethanol	112-34-5	5 - 10

Other federal regulations

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

Components
 2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130) 2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)

Safe Drinking Water Act (SDWA) Not regulated.

Food and Drug Administration (FDA) Not regulated.

US state regulations

US.Massachusetts RTK - Substance List

Components
 Propane (CAS 74-98-6)
 Butane (CAS 106-97-8)
 2-Amino Ethanol (CAS 141-43-5)
 2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)

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

Components
 Propane (CAS 74-98-6)
 Butane (CAS 106-97-8)
 2-Amino Ethanol (CAS 141-43-5)
 2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)

US.Pennsylvania RTK - Hazardous Substances

Components
 Propane (CAS 74-98-6)
 Butane (CAS 106-97-8)
 2-Amino Ethanol (CAS 141-43-5)
 2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)

US.Rhode Island RTK

Components
 2-Amino Ethanol (CAS 141-43-5)
 2-(2-Butoxyethoxy) Ethanol (CAS 112-34-5)

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)	No
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)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
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 4/17/2015

Version # 01

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