Reviewed on 10/16/2015 Printing date 10/16/2015

### 1 Identification

· Product identifier

· Trade name: PREMIER STRIPPER

· Article number: No other identifiers

· Recommended use and restriction on use

· Recommended use: Floor cleaner

· Restrictions on use: Contact manufacturer.

Details of the supplier of the Safety Data Sheet

· Manufacturer/Supplier:

Klein and Company, Inc. 165-167 Hickory Springs Industrial Drive Canton, GA 30115 (800)241-0681

· Emergency telephone number:

ChemTel Inc.

+1 (800)255-3924, +1 (813)248-0585

### 2 Hazard(s) identification

· Classification of the substance or mixture



GHS05 Corrosion

Skin Corr. 1C H314 Causes severe skin burns and eye damage.



GHS07

Acute Tox. 4 H312 Harmful in contact with skin.

STOT SE 3 H335 May cause respiratory irritation.

Flam. Liq. 4 H227 Combustible liquid.

Additional information:

There are no other hazards not otherwise classified that have been identified.

0 % of the mixture consists of component(s) of unknown toxicity.

- · Label elements
- · GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

· Hazard pictograms:





**GHS05 GHS07** 

- · Signal word: Danger
- · Hazard-determining components of labeling:

2-butoxyethanol

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2-aminoethanol propan-2-ol

#### · Hazard statements:

H227 Combustible liquid.

H312 Harmful in contact with skin.

H314 Causes severe skin burns and eve damage.

H335 May cause respiratory irritation.

#### · Precautionary statements:

Keep away from flames and hot surfaces. – No smoking. P210

P260 Do not breathe vapors.

Wash thoroughly after handling. P264

Wear protective gloves/protective clothing/eye protection/face protection. P280

Keep container tightly closed. P233

Use only outdoors or in a well-ventilated area. P271

P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with

water/shower.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

Immediately call a POISON CENTER/doctor. P310

P301+P330+P331 If swallowed: Rinse mouth. Do NOT induce vomiting.

In case of fire: Use for extinction: CO2, powder or water spray. P370+P378 Take off contaminated clothing and wash it before reuse. P362+P364

P405 Store locked up.

P403+P235 Store in a well-ventilated place. Keep cool.

Dispose of contents/container in accordance with local/regional/national/international P501

- · Classification system
- · NFPA ratings (scale 0 4)



Health = 3Fire = 2

Reactivity = 0

· HMIS-ratings (scale 0 - 4)



3 Health = 3

2 Fire = 2

## 3 Composition/information on ingredients

- · Chemical characterization: Mixtures
- · Description: Mixture of the substances listed below with nonhazardous additions.
- Dangerous components:

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	(Cont'c	d. of page 2)
111-76-2	2-butoxyethanol	30-50%
	Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319 Flam. Liq. 4, H227	
141-43-5	2-aminoethanol	10-20%
	Skin Corr. 1B, H314  1 Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; STOT SE 3, H335  Flam. Liq. 4, H227	
67-63-0	propan-2-ol	1-5%
	Flam. Liq. 2, H225 Eye Irrit. 2, H319; STOT SE 3, H336	
9036-19-5	Polyethylene glycol octylphenyl ether	1-5%
	Eye Dam. 1, H318 Acute Tox. 4, H302	

#### · Additional information:

For the listed ingredient(s), the identity and exact percentage(s) are being withheld as a trade secret.

#### 4 First-aid measures

- · Description of first aid measures
- **General information:**

Immediately remove any clothing soiled by the product.

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

· After eye contact:

Protect unharmed eye.

Remove contact lenses if worn.

Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing:

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; immediately call for medical help.

- · Information for doctor
- · Most important symptoms and effects, both acute and delayed:

Coughing

Dizziness

Caustic effect on skin and mucous membranes.

May cause respiratory irritation.

Strong irritant with the danger of severe eye injury.

Disorientation

· Danger:

Danger of impaired breathing.

Danger of gastric perforation.

Causes serious eye damage.

Condition may deteriorate with alcohol consumption.

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(Cont'd. of page 3)

Indication of any immediate medical attention and special treatment needed:

Medical supervision for at least 48 hours.

If necessary oxygen respiration treatment.

## 5 Fire-fighting measures

- · Extinguishing media
- Suitable extinguishing agents:

CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- For safety reasons unsuitable extinguishing agents: None.
- · Special hazards arising from the substance or mixture

Combustible liquid.

Formation of toxic gases is possible during heating or in case of fire.

- Advice for firefighters
- · Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

Additional information:

Cool endangered product with water spray.

No relevant information available.

#### 6 Accidental release measures

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment. Keep unprotected persons away.

For large spills, use respiratory protective device against the effects of fumes/dust/aerosol.

Ensure adequate ventilation.

Keep away from ignition sources.

- Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- · Methods and material for containment and cleaning up:

Absorb with non-combustible liquid-binding material (sand, diatomite, acid binders, universal binders).

Dispose contaminated material as waste according to item 13.

Clean the affected area carefully; suitable cleaners are:

Warm water

Reference to other sections:

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

## 7 Handling and storage

- · Handling
- · Precautions for safe handling:

Prevent formation of aerosols.

Avoid splashes or spray in enclosed areas.

Use only in well ventilated areas.

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(Cont'd. of page 4)

· Information about protection against explosions and fires:

Combustible liquid.

Keep ignition sources away - Do not smoke.

- · Conditions for safe storage, including any incompatibilities
- · Storage
- Requirements to be met by storerooms and receptacles:

Avoid storage near extreme heat, ignition sources or open flame.

· Information about storage in one common storage facility:

Store away from foodstuffs.

Do not store together with oxidizing and acidic materials.

- · Further information about storage conditions: Keep containers tightly sealed.
- · Specific end use(s): No relevant information available.

### 8 Exposure controls/personal protection

- · Additional information about design of technical systems: No further data; see item 7.
- · Control parameters

· Components w	ith limit values that require monitoring at the workplace:
111-76-2 2-butc	oxyethanol
PEL (USA)	Long-term value: 240 mg/m³, 50 ppm Skin
REL (USA)	Long-term value: 24 mg/m³, 5 ppm Skin
TLV (USA)	Long-term value: 97 mg/m³, 20 ppm BEI
EL (Canada)	Long-term value: 20 ppm
EV (Canada)	Long-term value: 20 ppm Skin
LMPE (Mexico)	Long-term value: 20 ppm A3, IBE
141-43-5 2-amii	noethanol
PEL (USA)	Long-term value: 6 mg/m³, 3 ppm
REL (USA)	Short-term value: 15 mg/m³, 6 ppm Long-term value: 8 mg/m³, 3 ppm
TLV (USA)	Short-term value: 15 mg/m³, 6 ppm Long-term value: 7.5 mg/m³, 3 ppm
EL (Canada)	Short-term value: 6 ppm Long-term value: 3 ppm
EV (Canada)	Short-term value: 15 mg/m³, 6 ppm Long-term value: 7.5 mg/m³, 3 ppm
LMPE (Mexico)	Short-term value: 6 ppm Long-term value: 3 ppm
	(Cont'd. on page 6)

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		(Cont'd. of page 5)
67-63-0 propan	-2-ol	
PEL (USA)	Long-term value: 980 mg/m³, 400 ppm	
REL (USA)	Short-term value: 1225 mg/m³, 500 ppm Long-term value: 980 mg/m³, 400 ppm	
TLV (USA)	Short-term value: 984 mg/m³, 400 ppm Long-term value: 492 mg/m³, 200 ppm BEI	
EL (Canada)	Short-term value: 400 ppm Long-term value: 200 ppm	
EV (Canada)	Short-term value: 400 ppm Long-term value: 200 ppm	
LMPE (Mexico)	Short-term value: 400 ppm Long-term value: 200 ppm A4, IBE	
· Ingredients wit	h biological limit values:	
111-76-2 2-but	oxyethanol	
Time	mg/g creatinine lium: urine e: end of shift ameter: Butoxyacetic acid with hydrolysis	
67-63-0 propan	-2-ol	
Time	ng/L lium: urine e: end of shift at end of workweek ameter: Acetone (background, nonspecific)	

- · Exposure controls
- Personal protective equipment:
- General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Avoid breathing mist, vapors, or spray.

- · Engineering controls: No relevant information available.
- · Breathing equipment: Use suitable respiratory protective device when aerosol or mist is formed.
- · Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· Material of gloves

Butyl rubber, BR

Neoprene gloves

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(Cont'd. of page 6)

• **Eye protection:**Contact lenses should not be worn.



Safety glasses

- · Body protection: Protective work clothing
- · Limitation and supervision of exposure into the environment No relevant information available.

Physical and chemical prope	erties	
Information on basic physical and	chemical properties	
General information		
Appearance: Form:	Liquid	
Color:	Liquid Clear	
Odor:	Mild	
Odor threshold:	Not determined.	
pH-value:	Not determined.	
Change in condition:		
Melting point/Melting range:	Not determined.	
Boiling point/Boiling range:	100 °C (212 °F)	
Flash point:	67 °C (153 °F)	
Flammability (solid, gaseous):	Not applicable.	
Auto-ignition temperature:	Not determined.	
Decomposition temperature:	Not determined.	
Auto igniting:	Product is not self-igniting.	
Danger of explosion:	Not determined.	
Explosion limits:		
Lower:	Not determined.	
Upper:	Not determined.	
Oxidizing properties:	Not determined.	
Vapor pressure:	Not determined.	
Density:	Not determined.	
Relative density:	Not determined.	
Vapor density:	Not determined.	
Evaporation rate:	Not determined.	
Solubility in / Miscibility with:		
Water:	Fully miscible.	
Partition coefficient (n-octanol/wa	ter): Not determined.	
		(Cont'd. on pag

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(Cont'd. of page 7)

· Viscosity:

**Dynamic:** Not determined. **Kinematic:** Not determined.

• Other information No relevant information available.

## 10 Stability and reactivity

- · Reactivity: No relevant information available.
- · Chemical stability: Stable under normal temperatures and pressures.
- · Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

· Possibility of hazardous reactions:

Combustible liquid.

Can form explosive mixtures in air if heated above flash point and/or when sprayed or atomized.

Toxic fumes may be released if heated above the decomposition point.

Conditions to avoid:

Keep ignition sources away - Do not smoke.

Store away from oxidizing agents.

- · Incompatible materials: No relevant information available.
- Hazardous decomposition products:

Carbon monoxide and carbon dioxide

Nitrogen oxides

### 11 Toxicological information

- · Information on toxicological effects
- · Acute toxicity:

7 10 410 1071				
· LD/LC50	· LD/LC50 values that are relevant for classification:			
111-76-2	2-butoxye	ethanol		
Oral	LD50	1480 mg/kg (rat)		
Dermal	LD50	400 mg/kg (rab)		
Inhalative	LC50/4h	450 ppm (rat)		
141-43-5	141-43-5 2-aminoethanol			
Oral	LD50	2050 mg/kg (rat)		
Dermal	LD50	1000 mg/kg (rabbit)		
Duimaanati		- 4.		

- · Primary irritant effect:
- On the skin: Caustic effect on skin and mucous membranes.
- On the eye: Strong caustic effect.
- · Sensitization: No sensitizing effects known.
- · Additional toxicological information:

Swallowing will lead to a strong caustic effect on mouth and throat and to the danger of perforation of esophagus and stomach.

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Carcinogenic categories

IARC (International Agency for Research on Cancer)

None of the ingredients are listed.

· NTP (National Toxicology Program):

None of the ingredients are listed.

· OSHA-Ca (Occupational Safety & Health Administration):

None of the ingredients are listed.

· Probable route(s) of exposure:

Ingestion.

Inhalation.

Eve contact.

Skin contact.

· Acute effects (acute toxicity, irritation and corrosivity):

Harmful in contact with skin.

Causes severe skin burns and eye damage.

May cause respiratory irritation.

- Repeated dose toxicity: No relevant information available.
- · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- · Germ cell mutagenicity: Based on available data, the classification criteria are not met.
- · Carcinogenicity: Based on available data, the classification criteria are not met.
- · Reproductive toxicity: Based on available data, the classification criteria are not met.
- · STOT-single exposure: May cause respiratory irritation.
- · STOT-repeated exposure: Based on available data, the classification criteria are not met.
- · Aspiration hazard: Based on available data, the classification criteria are not met.

### 12 Ecological information

- · Toxicity
- · Aquatic toxicity: No relevant information available.
- · Persistence and degradability: No relevant information available.
- · Behavior in environmental systems
- · Bioaccumulative potential: No relevant information available.
- · **Mobility in soil:** No relevant information available.
- · Additional ecological information
- · General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Must not reach bodies of water or drainage ditch undiluted or unneutralized.

· Other adverse effects: No relevant information available.

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## 13 Disposal considerations

- · Waste treatment methods
- · Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes.

- Uncleaned packagings
- · Recommendation: Disposal must be made according to official regulations.
- · Recommended cleansing agent: Water, if necessary with cleansing agents.

## 14 Transport information

- · UN-Number
- · DOT, ADR, IMDG, IATA

UN2491

· UN proper shipping name



Limited Quantity for packages less than 30 kg (66 lb) and inner packagings less than 5 L (1.3 gal).

· **DOT** Ethanolamine solutions

ADR
 IMDG
 IATA
 2491 ETHANOLAMINE SOLUTION
 ETHANOLAMINE SOLUTION
 Ethanolamine solution

- · Transport hazard class(es)
- · DOT



· Class 8 Corrosive substances

Label

· ADR



· Class 8 (C7) Corrosive substances

· Label

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	(2, 11), (	
	(Cont'd. of page	10
· IMDG, IATA		
· Class	8 Corrosive substances	
· Label	8	
· Packing group · DOT, ADR, IMDG, IATA	III	
· Environmental hazards	Not applicable.	
· Special precautions for user	Warning: Corrosive substances	
· Danger code (Kemler):	80	
· EMS Number:	F-A,S-B	
Segregation groups	Alkalis	
Stowage Category	Α	
· Segregation Code	SG35 Stow "separated from" acids.	
· Transport in bulk according to Annex II	l of	
MARPOL73/78 and the IBC Code	Not applicable.	
· Transport/Additional information:		
· DOT		
· Quantity limitations	On passenger aircraft/rail: 5 L	
	On cargo aircraft only: 60 L	
· UN "Model Regulation"	UN 2491 ETHANOLAMINE SOLUTIONS, 8, III	
	, -,	_

## 15 Regulatory information

- · Safety, health and environmental regulations/legislation specific for the substance or mixture
- · United States (USA)
- ·SARA

· Section 302	(extremely	/ hazardous	substances)	):
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None of the ingredients are listed.

## Section 304 (emergency release notification):

None of the ingredients are listed.

## · Sections 311/312 (hazardous chemical threshold planning quantity in pounds):

None of the ingredients are listed.

## · Section 355 (extremely hazardous substances):

None of the ingredients are listed.

## · Section 313 (Specific toxic chemical listings):

111-76-2 2-butoxyethanol

67-63-0 propan-2-ol

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(Cont'd. of page 1	1)
TSCA (Toxic Substances Control Act)	Ì
All ingredients are listed.	٦
· Proposition 65 (California)	_
· Chemicals known to cause cancer:	
None of the ingredients are listed.	
· Chemicals known to cause reproductive toxicity for females:	$\Box$
None of the ingredients are listed.	٦
· Chemicals known to cause reproductive toxicity for males:	ī
None of the ingredients are listed.	٦
· Chemicals known to cause developmental toxicity:	ī
None of the ingredients are listed.	٦
· Carcinogenic categories	_
· EPA (Environmental Protection Agency):	$\neg$
111-76-2 2-butoxyethanol NI	_]
· IARC (International Agency for Research on Cancer):	٦
111-76-2 2-butoxyethanol	
67-63-0 propan-2-ol	3
· TLV (Threshold Limit Value established by ACGIH):	
111-76-2 2-butoxyethanol A3	
67-63-0 propan-2-ol A4	ŀ
· NIOSH-Ca (National Institute for Occupational Safety and Health):	
None of the ingredients are listed.	
· Canadian substance listings	_
Canadian Domestic Substances List (DSL):	_
All ingredients are listed.	_
Canadian Ingredient Disclosure list (limit 0.1%):	
None of the ingredients are listed.	╝
· Canadian Ingredient Disclosure list (limit 1%):	
111-76-2 2-butoxyethanol	
141-43-5 2-aminoethanol	_
67-63-0 propan-2-ol	_
9036-19-5 Polyethylene glycol octylphenyl ether	$\sqcup$
· Chemical safety assessment: A Chemical Safety Assessment has not been carried out.	

## **16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Date of preparation / last revision 10/16/2015 / -

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#### · Abbreviations and acronyms:

Flam. Liq. 2: Flammable liquids, Hazard Category 2 Flam. Liq. 4: Flammable liquids, Hazard Category 4

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Corr. 1B: Skin corrosion/irritation, Hazard Category 1B Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1C Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1 Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3

#### · Sources

Website, European Chemicals Agency (http://http://echa.europa.eu/)

Website, US EPA Substance Registry Services (http://http://ofmpub.epa.gov/sor\_internet/registry/substreg/home/overview/home.do)

Website, Chemical Abstracts Registry, American Chemical Society (https://www.cas.org)

Patty's Industrial Hygiene, 6th ed., Rose, Vernon, ed. ISBN: ISBN: 978-0-470-07488-6

Casarett and Doull's Toxicology: The Basic Science of Poisons, 8th Ed., Klaasen, Curtis D., ed., ISBN: 978-0-07-176923-5.

Safety Data Sheets, Individual Manufacturers

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