

Issue Date: 12-Dec-2012

Revision Date: 21-Jul-2015

Version 2

**1. IDENTIFICATION**

**Product Identifier**

**Product Name** Bathroom Cleaner

**Other means of identification**

**SDS #** PCP-004

**Product Code** 141-2154/Bathroom Cleaner  
82811/Bathroom Cleaner-Home Store/39277-82811  
10925/Bathroom Cleaner/10048155910925

**UN/ID No** UN1950

**Recommended use of the chemical and restrictions on use**

**Recommended Use** Cleaning agent.

**Details of the supplier of the safety data sheet**

**Supplier Address**

Personal Care Products LLC  
3001 West Big Beaver Rd. Ste. 520  
Troy, MI 48084  
248.971.7600  
<http://www.personal-care.com>

**Emergency Telephone Number**

**Company Phone Number** 248-971-7600  
**Emergency Telephone (24 hr)** INFOTRAC 1-352-323-3500 (International)  
1-800-535-5053 (North America)

**2. HAZARDS IDENTIFICATION**

**Appearance** Aerosols

**Physical State** Aerosol

**Classification**

Acute toxicity - Dermal	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1A
Gases Under Pressure	Compressed Gas

**Signal Word**

Danger

**Hazard Statements**

Harmful in contact with skin  
Harmful if inhaled  
May cause genetic defects  
May cause cancer  
Contains gas under pressure; may explode if heated

**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Avoid breathing dust/fume/gas/mist/vapors/spray  
 Use only outdoors or in a well-ventilated area

**Precautionary Statements - Response**

If exposed or concerned: Get medical advice/attention  
 IF ON SKIN: Wash with plenty of soap and water  
 Call a poison center or doctor/physician if you feel unwell  
 Wash contaminated clothing before reuse  
 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

**Precautionary Statements - Storage**

Store locked up  
 Protect from sunlight. Store in a well-ventilated place

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Other Hazards**

Harmful to aquatic life with long lasting effects  
 Harmful to aquatic life

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Propane	74-98-6	1-5
N-Butane	106-97-8	1-5
Isobutane	75-28-5	1-5
2-Butoxyethanol	111-76-2	0-1
Ammonium hydroxide	1336-21-6	0-1
Sodium Nitrite	7632-00-0	0-1

\*\*If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.\*\*

### 4. FIRST-AID MEASURES

**First Aid Measures****General Advice**

If exposed or concerned: Get medical advice/attention.

**Eye Contact**

Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids.  
 Consult a physician.

<b>Skin Contact</b>	Wash with soap and water. Take off contaminated clothing. Wash contaminated clothing before reuse. Call a physician if you feel unwell.
<b>Inhalation</b>	Remove to fresh air.
<b>Ingestion</b>	Clean mouth with water and drink afterwards plenty of water.

**Most important symptoms and effects**

<b>Symptoms</b>	Direct contact with eyes may cause temporary irritation. May include redness, drying and cracking of skin.
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**Indication of any immediate medical attention and special treatment needed**

<b>Notes to Physician</b>	Treat symptomatically.
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**5. FIRE-FIGHTING MEASURES****Suitable Extinguishing Media**

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable Extinguishing Media** Not determined.

**Specific Hazards Arising from the Chemical**

Aerosols are under pressure. Perforation of the pressurized container may cause bursting of the can.

**Protective equipment and precautions for firefighters**

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**6. ACCIDENTAL RELEASE MEASURES****Personal precautions, protective equipment and emergency procedures**

<b>Personal Precautions</b>	Use personal protective equipment as required.
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**Methods and material for containment and cleaning up**

<b>Methods for Containment</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for Clean-Up</b>	Keep in suitable, closed containers for disposal.

**7. HANDLING AND STORAGE****Precautions for safe handling**

<b>Advice on Safe Handling</b>	Handle in accordance with good industrial hygiene and safety practice. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling before eating, drinking, smoking, or using toilet facilities.
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**Conditions for safe storage, including any incompatibilities**

<b>Storage Conditions</b>	Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up.
<b>Incompatible Materials</b>	None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
N-Butane 106-97-8	STEL: 1000 ppm	(vacated) TWA: 800 ppm (vacated) TWA: 1900 mg/m <sup>3</sup>	TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>
Propane 74-98-6	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup> (vacated) TWA: 1000 ppm (vacated) TWA: 1800 mg/m <sup>3</sup>	IDLH: 2100 ppm TWA: 1000 ppm TWA: 1800 mg/m <sup>3</sup>
Isobutane 75-28-5	STEL: 1000 ppm	-	TWA: 800 ppm TWA: 1900 mg/m <sup>3</sup>
2-Butoxyethanol 111-76-2	TWA: 20 ppm	TWA: 50 ppm TWA: 240 mg/m <sup>3</sup> (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m <sup>3</sup> (vacated) S* S*	IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m <sup>3</sup>

### Appropriate engineering controls

**Engineering Controls** Apply technical measures to comply with the occupational exposure limits.

### Individual protection measures, such as personal protective equipment

**Eye/Face Protection** Refer to 29 CFR 1910.133 for eye and face protection regulations.

**Skin and Body Protection** Refer to 29 CFR 1910.138 for appropriate skin and body protection.

**Respiratory Protection** Refer to 29 CFR 1910.134 for respiratory protection requirements.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Aerosol	<b>Odor</b>	Not determined
<b>Appearance</b>	Aerosols	<b>Odor Threshold</b>	Not determined
<b>Color</b>	Not determined		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	slightly basic	
<b>Melting Point/Freezing Point</b>	~0 °C / ~32 °F	
<b>Boiling Point/Boiling Range</b>	~100 °C / ~212 °F	
<b>Flash Point</b>	< -73 °C / < -99.4 °F	Flashpoint listed is for propellant
<b>Evaporation Rate</b>	~1	(Water = 1)
<b>Flammability (Solid, Gas)</b>	n/a-liquid	
<b>Upper Flammability Limits</b>	Non-flammable aerosol	
<b>Lower Flammability Limit</b>	Non-flammable aerosol	
<b>Vapor Pressure</b>	Similar to water	
<b>Vapor Density</b>	Similar to water	
<b>Specific Gravity</b>	~1	
<b>Water Solubility</b>	Soluble in water	
<b>Solubility in other solvents</b>	Soluble in polar solvents	
<b>Partition Coefficient</b>	nearly zero	
<b>Auto-ignition Temperature</b>	Non-flammable aerosol	

<b>Decomposition Temperature</b>	Not determined	
<b>Kinematic Viscosity</b>	~0.533 mm <sup>2</sup> /s	@ 10 °C
<b>Dynamic Viscosity</b>	~0.547 Pa s	@ 10 °C
<b>Explosive Properties</b>	Pressurized container: May burst if heated	
<b>Oxidizing Properties</b>	Not an oxidizer	

## 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions.

### Chemical Stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### Conditions to Avoid

Excessive heat and fire.

### Incompatible Materials

None known based on information supplied.

### Hazardous Decomposition Products

None known based on information supplied.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

#### Product Information

<b>Eye Contact</b>	Avoid contact with eyes.
<b>Skin Contact</b>	Harmful in contact with skin.
<b>Inhalation</b>	Harmful if inhaled.
<b>Ingestion</b>	Do not taste or swallow.

### Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
N-Butane 106-97-8	-	-	= 658 g/m <sup>3</sup> ( Rat ) 4 h
Propane 74-98-6	-	-	= 658 mg/L ( Rat ) 4 h
Isobutane 75-28-5	-	-	= 658 mg/L ( Rat ) 4 h
2-Butoxyethanol 111-76-2	= 470 mg/kg ( Rat )	= 99 mg/kg ( Rabbit )	= 450 ppm ( Rat ) 4 h
Sodium Nitrite 7632-00-0	= 85 mg/kg ( Rat )	-	= 5.5 mg/L ( Rat ) 4 h

### Information on physical, chemical and toxicological effects

<b>Symptoms</b>	Direct contact with eyes may cause temporary irritation. May include redness, drying and cracking of skin.
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**Delayed and immediate effects as well as chronic effects from short and long-term exposure****Germ cell mutagenicity** May cause genetic defects.**Carcinogenicity** May cause cancer.

Chemical Name	ACGIH	IARC	NTP	OSHA
2-Butoxyethanol 111-76-2	A3	Group 3		
Sodium Nitrite 7632-00-0		Group 2A		X

**IARC (International Agency for Research on Cancer)**

Group 3 IARC components are "not classifiable as human carcinogens"

**Numerical measures of toxicity**

Not determined

**12. ECOLOGICAL INFORMATION****Ecotoxicity**

Harmful to aquatic life with long lasting effects.

Chemical Name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
2-Butoxyethanol 111-76-2		1490: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 2950: 96 h <i>Lepomis macrochirus</i> mg/L LC50		1000: 48 h <i>Daphnia magna</i> mg/L EC50 1698 - 1940: 24 h <i>Daphnia magna</i> mg/L EC50
Ammonium hydroxide 1336-21-6		8.2: 96 h <i>Pimephales promelas</i> mg/L LC50		0.66: 48 h water flea mg/L EC50 0.66: 48 h <i>Daphnia pulex</i> mg/L EC50
Sodium lauryl sulfate 151-21-3	53: 72 h <i>Desmodesmus subspicatus</i> mg/L EC50 30 - 100: 96 h <i>Desmodesmus subspicatus</i> mg/L EC50 117: 96 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50 3.59 - 15.6: 96 h <i>Pseudokirchneriella subcapitata</i> mg/L EC50 static	8 - 12.5: 96 h <i>Pimephales promelas</i> mg/L LC50 static 15 - 18.9: 96 h <i>Pimephales promelas</i> mg/L LC50 static 22.1 - 22.8: 96 h <i>Pimephales promelas</i> mg/L LC50 static 4.3 - 8.5: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 static 4.62: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 flow-through 5.8 - 7.5: 96 h <i>Pimephales promelas</i> mg/L LC50 static 10.2 - 22.5: 96 h <i>Pimephales promelas</i> mg/L LC50 semi-static 6.2 - 9.6: 96 h <i>Pimephales promelas</i> mg/L LC50 13.5 - 18.3: 96 h <i>Poecilia reticulata</i> mg/L LC50 semi-static 10.8 - 16.6: 96 h <i>Poecilia reticulata</i> mg/L LC50 static 1.31: 96 h <i>Cyprinus carpio</i> mg/L LC50 semi-static 4.2: 96 h <i>Oncorhynchus mykiss</i> mg/L LC50 7.97: 96 h <i>Brachydanio rerio</i> mg/L LC50 flow-through 9.9 - 20.1: 96 h <i>Brachydanio rerio</i> mg/L LC50 semi-static 4.06 - 5.75: 96 h <i>Lepomis macrochirus</i> mg/L LC50 static 4.2 - 4.8: 96 h <i>Lepomis macrochirus</i> mg/L LC50 flow-through 4.5: 96 h <i>Lepomis macrochirus</i> mg/L LC50		1.8: 48 h <i>Daphnia magna</i> mg/L EC50

Sodium benzoate 532-32-1		420 - 558: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static		650: 48 h Daphnia magna mg/L EC50
Sodium Nitrite 7632-00-0		0.19: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 2.3: 96 h Pimephales promelas mg/L LC50 flow-through 20: 96 h Pimephales promelas mg/L LC50 static 0.092 - 0.13: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 0.4 - 0.6: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 0.65 - 1: 96 h Oncorhynchus mykiss mg/L LC50 static		

**Persistence/Degradability**

Not determined.

**Bioaccumulation**

Not determined.

**Mobility**

Not determined

Chemical Name	Partition Coefficient
Propane 74-98-6	2.3
Isobutane 75-28-5	2.88
N-Butane 106-97-8	2.89
2-Butoxyethanol 111-76-2	0.81
Sodium lauryl sulfate 151-21-3	1.6
Sodium benzoate 532-32-1	-2.13
Sodium Nitrite 7632-00-0	-3.7

**Other Adverse Effects**

Not determined

### 13. DISPOSAL CONSIDERATIONS

**Waste Treatment Methods****Disposal of Wastes**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**Contaminated Packaging**

Disposal should be in accordance with applicable regional, national and local laws and regulations.

**California Hazardous Waste Status**

Chemical Name	California Hazardous Waste Status
Ammonium hydroxide 1336-21-6	Toxic Corrosive
Sodium Nitrite 7632-00-0	Toxic Ignitable Reactive

**14. TRANSPORT INFORMATION**

**Note** Based on package size, product may be eligible for limited quantity exception.

**DOT** (each not exceeding 1 L capacity)  
**UN/ID No** UN1950  
**Proper Shipping Name** Aerosols  
**Hazard Class** 2.2

**IATA**  
**UN/ID No** UN1950  
**Proper Shipping Name** Aerosols, non-flammable  
**Hazard Class** 2.2

**IMDG**  
**UN/ID No** UN1950  
**Proper Shipping Name** Aerosols  
**Hazard Class** 2.2

**15. REGULATORY INFORMATION****International Inventories**

Chemical Name	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	IECSC	KECL	PICCS	AICS
Propane	Present	X		Present		Present	X	Present	X	X
N-Butane	Present	X		Present		Present	X	Present	X	X
Isobutane	Present	X		Present		Present	X	Present	X	X
2-Butoxyethanol	Present	X		Present		Present	X	Present	X	X
Ammonium hydroxide	Present	X		Present		Present	X	Present	X	X
Sodium Nitrite	Present	X		Present		Present	X	Present	X	X

**Legend:**

*TSCA - United States Toxic Substances Control Act Section 8(b) Inventory*

*DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List*

*EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances*

*ENCS - Japan Existing and New Chemical Substances*

*IECSC - China Inventory of Existing Chemical Substances*

*KECL - Korean Existing and Evaluated Chemical Substances*

*PICCS - Philippines Inventory of Chemicals and Chemical Substances*

*AICS - Australian Inventory of Chemical Substances*



**US Federal Regulations**

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Ammonium hydroxide 1336-21-6	1000 lb		RQ 1000 lb final RQ RQ 454 kg final RQ
Sodium Nitrite 7632-00-0	100 lb		RQ 100 lb final RQ RQ 45.4 kg final RQ

**SARA 313**

Not determined

Chemical Name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Ammonium hydroxide	1000 lb			X
Sodium Nitrite	100 lb			X

**US State Regulations****U.S. State Right-to-Know Regulations**

Not determined

Chemical Name	New Jersey	Massachusetts	Pennsylvania
N-Butane 106-97-8	X	X	X
Propane 74-98-6	X	X	X
Isobutane 75-28-5	X	X	X
2-Butoxyethanol 111-76-2	X	X	X
Ammonium hydroxide 1336-21-6	X	X	X
Sodium Nitrite 7632-00-0	X	X	X

**16. OTHER INFORMATION****NFPA****Health Hazards**

Not determined

**Flammability**

Not determined

**Instability**

Not determined

**Special Hazards**

Not determined

**HMIS****Health Hazards**

Not determined

**Flammability**

Not determined

**Physical Hazards**

Not determined

**Personal Protection**

Not determined

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**Revision Note:**

New format

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**