



## Safety Data Sheet

Material Name: SAFETY-KLEEN PROFESSIONAL ALL PURPOSE  
PENETRANT AND LUBRICANT

SDS ID: 820087

### \*\*\* Section 1 - Identification \*\*\*

#### Product Identifier

SAFETY-KLEEN PROFESSIONAL ALL PURPOSE PENETRANT AND LUBRICANT

#### Product Code

32045, 32145

#### Synonyms

None

#### Recommended Use

Multi-purpose penetrant and lubricant. If this product is used in combination with other products, refer to the Safety Data Sheet for those products.

#### Restrictions on Use

**THIS PRODUCT IS NOT FOR SALE OR USE IN THE STATE OF CALIFORNIA**

#### Manufacturer Information

Safety-Kleen Systems, Inc.  
2600 North Central Expressway  
Suite 200  
Richardson, TX 75080

Phone: 1-800-669-5740  
www.safety-kleen.com

Emergency # 1-800-468-1760

#### Issue Date

April 17, 2015

#### Supersedes Issue Date

June 5, 2014

#### Original Issue Date

June 1, 2011

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

#### Classification in Accordance with 29 CFR 1910.1200.

Flammable aerosols, Category 1

#### GHS LABEL ELEMENTS

##### Symbol(s)



##### Signal Word

DANGER!

##### Hazard Statement(s)

Extremely flammable aerosol.

##### Precautionary Statement(s)

##### Prevention

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source.  
Pressurized container: Do not pierce or burn, even after use.

##### Response

Wash hands after handling.

##### Storage

Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

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## Disposal

Dispose of in accordance with all applicable federal, state and local regulations.

## Hazard(s) Not Otherwise Classified

No additional information is available.

### \*\*\* Section 3 - Composition / Information on Ingredients \*\*\*

CAS	Component	Percent
106-97-8	Butane	20-40
74-98-6	Propane	2.5-10

Other components below reportable levels.

### \*\*\* Section 4 - First Aid Measures \*\*\*

## Description of Necessary Measures

### Inhalation

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention, if needed.

### Skin

IF ON SKIN (or hair): Wash with plenty of soap and water. Get medical attention, if needed.

### Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention, if needed.

### Ingestion

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

## Most Important Symptoms/Effects

### Acute

Direct contact with eyes may cause temporary irritation.

### Delayed

No information on significant adverse effects.

## Indication of Immediate Medical Attention and Special Treatment Needed, If Needed

Treat symptomatically and supportively.

### \*\*\* Section 5 - Fire-Fighting Measures \*\*\*

## Suitable Extinguishing Media

Carbon dioxide, alcohol-resistant foam, dry chemical, water spray, or water fog.

## Unsuitable Extinguishing Media

None known.

## Specific Hazards Arising from the Chemical

Contents under pressure. Pressurized container may explode when exposed to heat or flame.

## Hazardous Combustion Products

Decomposition and combustion materials may be toxic. Burning may produce oxides of carbon.

## Special Protective Equipment and Precautions for Firefighters

In enclosed spaces, a positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

## Fire Fighting Measures

Keep storage containers cool with water spray. Move container from fire area if it can be done without risk. For massive fire in enclosed area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let the fire burn out.

**NFPA Ratings: Health: 1 Fire: 4 Reactivity: 0**

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Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

## \*\*\* Section 6 - Accidental Release Measures \*\*\*

### Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8.

### Methods and Materials for Containment and Clean Up

Remove all ignition sources. Do not touch or walk through spilled product. Stop leak if you can do it without risk. Wear protective equipment and provide engineering controls as specified in **Section 8: Exposure Controls/Personal Protection**. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Ventilate area and avoid breathing vapor or mist. A vapor suppressing foam may be used to reduce vapors. Contain spill away from surface water and sewers. Contain spill as a liquid for possible recovery, or sorb with compatible sorbent material and shovel with a clean, sparkproof tool into a sealable container for disposal.

## \*\*\* Section 7 - Handling and Storage \*\*\*

### Precautions for Safe Handling

Pressurized container: Do not pierce or burn, even after use. Do not use of spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. All equipment used when handling the product must be grounded. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not breathe vapor or mist. Do not eat, drink, or smoke when using this product. Wear protective gloves/protective clothing/eye protection/face protection. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Keep container tightly closed.

### Conditions for Safe Storage, Including Any Incompatibilities

Keep container tightly closed when not in use and during transport. Protect from sunlight and do not expose to temperatures exceeding 50°C/122°F. Store containers in a cool, dry place. Do not pressurize, cut, weld, braze, solder, drill, or grind containers. Keep containers away from heat, flame, sparks, static electricity, or other sources of ignition; containers may explode and cause injury or death. This material can accumulate static charge which may cause spark and become an ignition source. Empty product containers may retain product residue and can be dangerous. See **Section 14: Transportation Information** for Packing Group information.

### Incompatibilities

Oxidizing materials.

## \*\*\* Section 8 - Exposure Controls / Personal Protection \*\*\*

### Component Exposure Limits

#### Propane (74-98-6)

OSHA Final: 1800 mg/m<sup>3</sup> PEL

NIOSH: 1000 ppm TWA; 1800 mg/m<sup>3</sup> TWA

#### Butane (106-97-8)

ACGIH: 1000 ppm STEL

NIOSH: 800 ppm TWA; 1900 mg/m<sup>3</sup> TWA

### Appropriate Engineering Controls

Provide general ventilation needed to maintain concentration of vapor or mist below applicable exposure limits. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below applicable exposure limits. Where explosive mixtures may be present, equipment safe for such locations should be used.

### Individual Protective Measures, such as Personal Protective Equipment

Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to regulatory requirements. The following PPE should be considered the minimum required: safety glasses, gloves, and lab coat or apron.

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### Eyes/Face Protection

Safety glasses with side shields should be worn at a minimum. Additional protection like goggles, face shields, or respirators may be needed dependent upon anticipated use and concentrations of mists or vapors. Provide an emergency eye wash fountain and quick drench shower in the immediate work area. Contact lens use is not recommended.

### Skin Protection

Where skin contact is likely, wear neoprene, nitrile, or equivalent protective gloves; use of natural rubber or equivalent gloves is not recommended. To avoid prolonged or repeated contact where spills and splashes are likely, wear appropriate chemical-resistant faceshield, boots, apron, coveralls, long sleeve shirts, or other protective clothing.

### Respiratory Protection

Use NIOSH-certified, air-supplier respirators (self-contained breathing apparatus or air-line) where concentrations exceed applicable exposure limits. Use NIOSH-certified, full-face respirators with organic vapor cartridges respiratory protective equipment when concentrations of vapor or mist exceeds applicable exposure limits. Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4. Consult a qualified Industrial Hygienist or Safety Professional for respirator selection guidance.

## \* \* \* Section 9 - Physical & Chemical Properties \* \* \*

<b>Appearance/Odor :</b> Gas, aerosol	<b>pH:</b> Not applicable
<b>Boiling Point:</b> Not available	<b>Odor Threshold:</b> Not available.
<b>Solubility (H2O):</b> Not available	<b>Melting Point:</b> Not available
<b>Density:</b> Not available	<b>Specific Gravity:</b> 0.7335 (water = 1)
<b>Evaporation Rate:</b> Not available	<b>Octanol/H2O Coeff.:</b> Butane: 2.89 Propane: 2.36
<b>LFL:</b> Not available	<b>Auto Ignition Temperature:</b> Not available
<b>UFL:</b> Not available	<b>Flash Point:</b> -156.0°F (<-104.4°C)
<b>Vapor Pressure:</b> Not available	<b>Viscosity:</b> Not available
	<b>Vapor Density:</b> Not available

### Other Property Information

Heat of combustion: 43.7 kJ/g (estimated)

## \* \* \* Section 10 - Stability & Reactivity \* \* \*

### Reactivity

No reactivity hazard is expected.

### Chemical Stability

Stable under normal temperatures and pressures.

### Possibility of Hazardous Reactions

Will not polymerize.

### Conditions To Avoid

Avoid heat, flames, sparks and other sources of ignition.

### Incompatible Materials

Avoid strong oxidizing agents.

### Hazardous Decomposition Products

No hazardous decomposition products are known.

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### \*\*\* Section 11 - Toxicological Information \*\*\*

#### Toxicity Data and Information

##### Component Analysis - LD50/LC50

###### Butane (106-97-8)

Inhalation LC50 Mouse 1237 mg/L 2 h

Inhalation LC50 Rat 1355 mg/L

###### Propane (74-98-6)

Inhalation LC50 Mouse 1237 mg/L 2 h

Inhalation LC50 Rat 658 mg/L 4 h

#### Information on Likely Routes of Exposure

##### Inhalation

No information on significant adverse effects.

##### Ingestion

No information on significant adverse effects.

##### Skin Contact

No information on significant adverse effects.

##### Eye Contact

Direct contact with eyes may cause temporary irritation.

##### Immediate Effects

No information on significant adverse effects.

##### Delayed Effects

No information on significant adverse effects.

##### Irritation/Corrosivity

Prolonged skin contact may cause temporary irritation.

##### Respiratory Sensitization

No information available for the product.

##### Skin Sensitization

This product is not expected to cause skin sensitization.

##### Carcinogenicity

###### Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

###### Germ Cell Mutagenicity

No information available for the product.

###### Teratogenicity

No information available for the product.

###### Reproductive Effects

This product is not expected to cause reproductive or developmental effects.

###### Specific Target Organ Effects - Single Exposure

No information available for the product

###### Specific Target Organ Effects - Repeated Exposure

No information available for the product.

###### Aspiration Hazard

Not likely, due to the form of the product.

###### Medical Conditions Aggravated by Exposure

Individuals with pre-existing eye and/or skin disorders may have increased susceptibility to the effects of exposure.

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### \*\*\* Section 12 - Ecological Information \*\*\*

#### Ecotoxicity

No information available for the product.

#### Component Analysis - Ecotoxicity - Aquatic Toxicity

Not available.

#### Persistence and Degradability

No information available for the product.

#### Bioaccumulation Potential

No information available for the product.

#### Mobility in Soil

No information available for the product.

#### Other Adverse Effects

No additional information is available.

### \*\*\* Section 13 - Disposal Considerations \*\*\*

#### Disposal Methods

Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. Contact Safety-Kleen regarding proper recycling or disposal.

If discarded, this product is considered a RCRA ignitable waste, D001. Processing, use, or contamination by the user may change the waste code(s) applicable to the disposal of this product.

### \*\*\* Section 14 - Transport Information \*\*\*

#### Emergency Response Guide Number

126 Reference *North American Emergency Response Guidebook*

#### Transportation Regulations

**DOT Shipping Name:** Aerosols

**UN/NA #:** UN1950 **Hazard Class:** 2.1

**Required Label(s):** 2.1

**TDG Shipping Name:** Aerosols

**UN/NA #:** UN1950 **Hazard Class:** 2.1

**Required Label(s):** 2.1

### \*\*\* Section 15 - Regulatory Information \*\*\*

#### Volatile Organic Compounds (As Regulated)

39.9 WT%; 2.43 LB/US gal; 292 g/L

U.S EPA 40 CFR 51.100(s)

Product does not contain photochemically reactive solvent as per 40 CFR 51.100(s).

Consult your state or local air district regulations for location specific information.

#### Federal Regulations

##### SARA 302/304

#### Component Analysis

Based on the ingredient(s) listed in SECTION 3, this product does not contain any "extremely hazardous substances" listed pursuant to Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Section 302 or Section 304 as identified in 40 CFR Part 355, Appendix A and B.

#### SARA 311/312 Hazardous Categories

**Acute Health:** No **Chronic Health:** No **Fire:** No **Pressure:** No **Reactive:** No

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## SARA Section 313

### Component Analysis

This product does not contain any "toxic" chemical subject to the requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372.

## CERCLA

### Component Analysis

Based on the ingredient(s) listed in SECTION 3, this product does not contain any "hazardous substance" listed under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4.

## TSCA Inventory

All the components of this product are listed on, or are automatically included as "naturally occurring chemical substances" on, or are exempted from the requirement to be listed on, the TSCA Inventory.

## U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	MA	NJ	PA	CA
Butane	106-97-8	No	Yes <sup>1</sup>	No	Yes <sup>1</sup>
Propane	74-98-6	No	No	Yes	Yes

No component(s) are listed under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65). THIS PRODUCT IS NOT FOR SALE OR USE IN THE STATE OF CALIFORNIA.

## Canadian Regulations

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all information required by the CPR.

### Component Analysis

Component	CAS #	CAN
Butane	106-97-8	DSL
Propane	74-98-6	DSL

## Canadian WHMIS Information

WHMIS CLASSIFICATION: B5.

\* \* \* Section 16 - Other Information \* \* \*

## Revision Information

Reformat to OSHA HazCom 29 CFR 1910.1200 adoption of GHS Revision 3.

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### Key/Legend

ACGIH - American Conference of Governmental Industrial Hygienists; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CN - China; CPR - Controlled Products Regulations; DOT - Department of Transportation; DSL - Domestic Substances List; EEC - European Economic Community; EINECS - European Inventory of Existing Commercial Chemical Substances; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IMDG - International Maritime Dangerous Goods; JP - Japan; Kow - Octanol/water partition coefficient; KR - Korea; LEL - Lower Explosive Limit; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PH - Philippines; RCRA - Resource Conservation and Recovery Act; RTECS - Registry of Toxic Effects of Chemical Substances®; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States

### Disclaimer

User assumes all risks incident to the use of this (these) product(s). To the best of our knowledge, the information contained herein is accurate. However, Safety-Kleen assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either express or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers. The data contained on this sheet apply to the product(s) as supplied to the user.