

**Section 1 - PRODUCT AND COMPANY IDENTIFICATION****Material Name**

SAFETY-KLEEN PROFESSIONAL ALL PURPOSE PENETRANT AND LUBRICANT

**Product Code**

32045, 32145

**Synonyms**

None

**Product 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**Safety-Kleen Systems, Inc.  
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Norwell, Ma 02061-9149  
U.S.A.**SUPPLIER (in Canada)**Safety-Kleen Canada, Inc.  
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[www.safety-kleen.com](http://www.safety-kleen.com)**Issue Date**

November 12, 2019

**Supersedes Date**

June 24, 2019

**Original Issue Date**

June 1, 2011

**Section 2 - HAZARDS IDENTIFICATION****Classification in accordance with Schedule 1 of Canada's Hazardous Products Regulations (HPR) (SOR/2015-17) and paragraph (d) of 29 CFR 1910.1200 in the United States**

Flammable aerosols - Category 1

**GHS Label Elements****Symbol(s)****Signal Word**

Danger

**Hazard Statement(s)**

Extremely flammable aerosol.

# Safety Data Sheet

**Material Name:**  
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**SDS ID: 820087**

## Precautionary Statement(s)

### Prevention

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on open flame or other ignition sources. 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 48.9°C/120°F.

### Disposal

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

### Other hazards

No additional information is available.

## Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component Name	Percent
106-97-8	Butane	35.147
74-98-6	Propane	4.793
Other components below reportable levels.		

## Section 4 - FIRST AID 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 any immediate medical attention and special treatment needed

Treat symptomatically and supportively.

## Section 5 - FIRE FIGHTING MEASURES

### Extinguishing Media

#### Suitable Extinguishing Media

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

#### Unsuitable Extinguishing Media

Do not use high-pressure water streams.

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## SAFETY-KLEEN PROFESSIONAL ALL PURPOSE PENETRANT AND LUBRICANT

### Special Hazards Arising from the Chemical

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

### Hazardous Combustion Products

Burning may produce oxides of carbon.

### Fire Fighting Measures

Keep storage containers cool with water spray. Move container from fire area if it can be done without risk.

Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Keep unnecessary people away, isolate hazard area and deny entry. Avoid inhalation of material or combustion by-products.

### Special Protective Equipment and Precautions for Firefighters

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

## 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 Cleaning 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. Additionally, for large spills: Water spray may reduce vapor, but may not prevent ignition in closed spaces. Dike far ahead of liquid spill for collection and later disposal. There may be specific regulatory reporting requirements associated with spills, leaks, or releases of this product. Also see SECTION 15: REGULATORY INFORMATION.

## Section 7 - HANDLING AND STORAGE

### Precautions for Safe Handling

Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on 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 and clothing and eye and face protection. Wash thoroughly after handling. Keep container tightly closed.

### Conditions for Safe Storage, Including any Incompatibilities

Protect from sunlight and do not expose to temperatures exceeding 50°C/122°F. Keep container tightly closed when not in use and during transport. 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. Empty product containers may retain product residue and can be dangerous. See SECTION 14: TRANSPORTATION INFORMATION for Packing Group information.

### Incompatible Materials

Oxidizing materials.

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<b>Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION</b>
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**Component Exposure Limits**

<b>Butane</b>	<b>106-97-8</b>
Alberta	1000 ppm TWA
British Columbia	600 ppm TWA; 1000 ppm STEL
New Brunswick	800 ppm TWA ; 1900 mg/m3 TWA
Northwest Territories, Nunavut, Saskatchewan	1000 ppm TWA; 1250 ppm STEL
Nova Scotia, Prince Edward Island	1000 ppm STEL (explosion hazard )
Ontario	800 ppm TWA; 1000 ppm STEL
Quebec	800 ppm TWAEV ; 1900 mg/m3 TWAEV
Yukon	600 ppm TWA ; 1400 mg/m3 TWA; 750 ppm STEL ; 1600 mg/m3 STEL
ACGIH	1000 ppm STEL (explosion hazard )
OSHA Final	1800 mg/m3 PEL
NIOSH	1000 ppm TWA; 1800 mg/m3 TWA
<b>Propane</b>	<b>74-98-6</b>
Alberta, British Columbia	1000 ppm TWA
Manitoba, Nova Scotia, Prince Edward Island	(See Appendix F: Minimal Oxygen Content, explosion hazard )
Northwest Territories, Nunavut, Saskatchewan	1000 ppm TWA; 1250 ppm STEL
Ontario	(See Appendix F: Minimal Oxygen Content )
Quebec	1000 ppm TWAEV ; 1800 mg/m3 TWAEV
ACGIH	(See Appendix F: Minimal Oxygen Content, explosion hazard )
NIOSH	800 ppm TWA; 1900 mg/m3 TWA

**ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)**

There are no biological limit values for any of this product's components.

**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.

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

#### Eye/face protection

Wear safety glasses. Additional protection like goggles, face shields, or respirators may be needed dependent upon anticipated use and concentrations of mists or vapors. Eye wash fountain and emergency showers are recommended. Contact lens use is not recommended.

#### Respiratory Protection

A respiratory protection program which meets USA's OSHA General Industry Standard 29 CFR 1910.134 or Canada's CSA Standard Z94.4-M1982 requirements must be followed whenever workplace conditions warrant a respirator's use. Consult a qualified Industrial Hygienist or Safety Professional for respirator selection guidance.

#### Glove Recommendations

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.

#### Protective Materials

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: Gloves, Safety glasses, and lab coat or apron.

## Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	Gas, aerosol	<b>Physical State</b>	Gas, Aerosol
<b>Odor</b>	Not available	<b>Color</b>	Not available
<b>Odor Threshold</b>	Not available	<b>pH</b>	Not available
<b>Melting Point</b>	Not available	<b>Boiling Point</b>	Not available
<b>Boiling Point Range</b>	Not available	<b>Freezing point</b>	Not available
<b>Evaporation Rate</b>	Not available	<b>Flammability (solid, gas)</b>	Not available
<b>Autoignition Temperature</b>	Not available	<b>Flash Point</b>	<-104.4 °C (-156 °F)
<b>Lower Explosive Limit</b>	Not available	<b>Decomposition temperature</b>	Not available
<b>Upper Explosive Limit</b>	Not available	<b>Vapor Pressure</b>	Not available
<b>Vapor Density (air=1)</b>	Not available.	<b>Specific Gravity (water=1)</b>	0.7335 (Water = 1)
<b>Water Solubility</b>	Not available.	<b>Partition coefficient: n-octanol/water</b>	Not available
<b>Viscosity</b>	Not available	<b>Kinematic viscosity</b>	Not available
<b>Solubility (Other)</b>	Not available	<b>Density</b>	Not available
<b>Molecular Weight</b>	Not available		
<b>Volatile Organic Compounds (As regulated)</b>	39.3 WT%; 2.43 LB/US gal; 202 g/L; 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.		

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## Section 10 - STABILITY AND 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 materials.

### Hazardous decomposition products

No hazardous decomposition products are known.

## Section 11 - TOXICOLOGICAL INFORMATION

### Information on Likely Routes of Exposure

#### Inhalation

No information on significant adverse effects.

#### Skin Contact

No information on significant adverse effects.

#### Eye Contact

Direct contact with eyes may cause temporary irritation.

#### Ingestion

No information on significant adverse effects.

### Acute and Chronic Toxicity

#### Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

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

Inhalation LC50 Rat 658 g/m<sup>3</sup> 4 h

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

Inhalation LC50 Rat 658 mg/L 4 h

### Product Toxicity Data

#### Acute Toxicity Estimate

Inhalation - Vapor	> 20 mg/L
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#### Immediate Effects

No information on significant adverse effects.

#### Delayed Effects

No information on significant adverse effects.

#### Irritation/Corrosivity Data

Prolonged skin contact may cause temporary irritation.

#### Respiratory Sensitization

No information available for the product.

#### Dermal Sensitization

This product is not expected to cause skin sensitization.

#### Component Carcinogenicity

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

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**Germ Cell Mutagenicity**

No information available for the product.

**Tumorigenic Data**

No information available for product.

**Reproductive Toxicity**

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

**Specific Target Organ Toxicity - Single Exposure**

No information available for the product.

**Specific Target Organ Toxicity - 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.

## Section 12 - ECOLOGICAL INFORMATION

**Ecotoxicity**

No information available for product.

**Component Analysis - Aquatic Toxicity**

Not available.

**Persistence and Degradability**

No information available for the product.

**Bioaccumulative Potential**

No information available for the product.

**Mobility**

No information available for the product.

## 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

**US DOT Information:**

**Shipping Name:** AEROSOLS

**Hazard Class:** 2.1

**UN/NA #:** UN1950

**Required Label(s):** 2.1

**TDG Information:**

**Shipping Name:** AEROSOLS

**Hazard Class:** 2.1

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**UN#:** UN1950  
**Required Label(s):** 2.1

**Component Marine Pollutants (IMDG)**

Not a marine pollutant.

**International Bulk Chemical Code**

This material does not contain any chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.

<b>Section 15 - REGULATORY INFORMATION</b>
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**U.S. Federal Regulations**

None of this product's components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

**SARA Section 311/312 (40 CFR 370 Subparts B and C) 2016 reporting categories**

**Acute Health:** No **Chronic Health:** No **Fire:** Yes **Pressure:** Yes **Reactivity:** No

**U.S. State Regulations**

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

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

**California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)**

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

**Canada Regulations**

**CEPA - Priority Substances List**

None of this product's components are on the list.

**Ozone Depleting Substances**

None of this product's components are on the list.

**Council of Ministers of the Environment - Soil Quality Guidelines**

None of this product's components are on the list.

**Council of Ministers of the Environment - Water Quality Guidelines**

None of this product's components are on the list.

**Component Analysis - Inventory**

**Butane (106-97-8)**

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	Yes	Yes	No
KR - REACH CCA		MX	NZ	PH	TH-TECI	TW	VN (Draft)	
No		Yes	Yes	Yes	Yes	Yes	Yes	



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Propane (74-98-6)

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	Yes	Yes	No
KR - REACH CCA			MX	NZ	PH	TH-TECI	TW	VN (Draft)
No			Yes	Yes	Yes	Yes	Yes	Yes

## Section 16 - OTHER INFORMATION

**NFPA Ratings**

Health: 1 Fire: 4 Reactivity: 0

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

**Summary of Changes**

Update to Sections 1 and 8.

**Key / Legend**

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania\*; CAS - Chemical Abstracts Service; CFR - Code of Federal Regulations (US); CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EC - European Commission; EEC - European Economic Community; EIN - European Inventory of (Existing Commercial Chemical Substances); EINECS - European Inventory of Existing Commercial Chemical Substances; ENCS - Japan Existing and New Chemical Substance Inventory; 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; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; ISHL - Japan Industrial Safety and Health Law; IUCLID - International Uniform Chemical Information Database; JP - Japan; Kow - Octanol/water partition coefficient; KR KECI Annex 1 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL); KR KECI Annex 2 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL), KR - Korea; LD50/LC50 - Lethal Dose/ Lethal Concentration; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; MX - Mexico; NDSL - Non-Domestic Substance List (Canada); 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; PEL - Permissible Exposure Limit; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH - Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TCCA - Korea Toxic Chemicals Control Act; TDG - Transportation of Dangerous Goods; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act; TW - Taiwan; TWA - Time Weighted Average; UEL - Upper Explosive Limit; UN/NA - United Nations /North American; US - United States; VLE - Exposure Limit Value (Mexico); WHMIS - Workplace Hazardous Materials Information System (Canada).

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### **Other Information**

#### **Disclaimer:**

User assumes all risks incident to the use of this product. 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 expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information or the product to which the information refers. The data contained on this sheet apply to the product as supplied to the user.