

# SAFETY-KLEEN SPRAY PENETRANT 611

## MATERIAL SAFETY DATA SHEET

### SECTION I -- PRODUCT INFORMATION

Safety-Kleen Corporation - 777 Big Timber Road - Elgin, IL 60123  
For Product/Sales Information Call 708/697-8460

#### EMERGENCY TELEPHONE

These numbers are for emergency use only. If you desire non-emergency information about this product, please call the telephone number listed above.

#### MEDICAL:

800/942-5969 or 312/942-5969  
RUSH POISON CONTROL CENTER  
CHICAGO, ILLINOIS (24 HOURS)

#### TRANSPORTATION:

800/424-9300  
CHEMTREC

**IDENTITY (TRADE NAME):** SAFETY-KLEEN SPRAY PENETRANT 611  
**SK PART NUMBER:** 611  
**FAMILY/CHEMICAL NAME:** N/A  
**PRODUCT USAGE:** SPRAY PENETRANT

### SECTION II -- HAZARDOUS COMPONENTS

NAME	SYNONYM	%	CAS NO.	OSHA PEL (ppm)	ACGIH TLV (ppm)
Mineral Spirits	Petroleum Distillates	~ 70	8032-32-4	100 (Stoddard Solvent)	100 (Stoddard Solvent)
2-Butoxyethanol	Ethylene Glycol Monobutyl Ether	~ 2	111-76-2	25 (Skin)	25 (Skin)
Propane	Propyl Hydride	~ 18	74-98-6	1000	1000
Re-refined Oil	Lube Oil	~ 10	8012-95-1	5 mg/m <sup>3</sup> (Oil Mist)	5 mg/m <sup>3</sup> (Oil Mist)

### SECTION III -- PHYSICAL DATA

**PHYSICAL STATE, APPEARANCE AND ODOR:** Aerosol - clear, spray mist with a characteristic hydrocarbon odor.  
**BOILING POINT:** -42° - 390° F (Range of Concentrate)  
**MELTING POINT:** Not Available  
**EVAPORATION RATE:** Not Available  
**PERCENT VOLATILE:** 99.9%  
**VAPOR DENSITY:** > 1 (Air = 1)  
**VAPOR PRESSURE:** 25-71 mm Hg at 20° C (Concentrate)  
**SOLUBILITY IN WATER:** Nil

**pH:** Not Available  
**SPECIFIC GRAVITY:** Not Available  
**MOLECULAR WEIGHT:** Use values for individual components.  
**VOLATILE ORGANIC COMPOUNDS:** 698 g/L

#### SECTION IV -- FIRE AND EXPLOSION HAZARD DATA

**FLASH POINT:** Flammable Aerosol (-156°F TCC Propane)  
**AUTOIGNITION TEMPERATURE:** 842° F (Propane)  
**CONDITIONS OF FLAMMABILITY:** Normal temperatures and pressures.  
**FLAMMABLE LIMITS IN AIR - LOWER:** 0.7% **UPPER:** 7.0%  
**EXTINGUISHING MEDIA:** Carbon Dioxide, Foam, Alcohol Foam, Dry Chemical  
**FIRE FIGHTING PROCEDURES -- SPECIAL:**

Water spray may not be effective to fight fire. However, water may be used to cool containers exposed to fire to prevent pressure buildup and possible explosion. If water is used, fog nozzles are preferred..

**UNUSUAL FIRE AND EXPLOSION HAZARDS:**

FLAMMABLE AEROSOL - DO NOT spray near flames. Avoid exposure to sunlight or heat to avoid excess pressure in container. Closed containers may explode from internal pressure buildup when exposed to extreme heat and contents are discharged. Vapor accumulation can flash or explode if ignited.

**HAZARDOUS COMBUSTION PRODUCTS:**

Carbon Dioxide, Carbon Monoxide

#### SECTION V -- REACTIVITY DATA

**STABILITY:** Normally stable.  
**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong oxidizing agents  
**HAZARDOUS POLYMERIZATION:** Not known to occur.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** Carbon monoxide, carbon dioxide when heated to decomposition.

#### SECTION VI -- HEALTH HAZARD DATA

**PRIMARY ROUTES OF EXPOSURE:** Inhalation, skin and eye contact.  
**HEALTH HAZARD DATA/SIGNS AND SYMPTOMS OF EXPOSURE:**  
**ACUTE:** *Skin:* Prolonged contact tends to remove skin oils and may cause drying, stinging, cracking, blistering, irritation or redness of the skin.

**Eyes:** Contact with aerosol spray/mist or solvent vapors may cause moderate to severe irritation and pain, frostbite, redness and blurred vision.

**Inhalation:** High concentrations of mists and /or vapors may be irritating to the respiratory tract, cause headaches, dizziness, nausea, impaired coordination, anesthesia and may have other central nervous system effects.

**Ingestion:** Not a likely route of exposure. If swallowed, may cause irritation of the throat, nausea, vomiting, symptoms of central nervous system depression. Aspiration into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.

**CHRONIC:** Repeated contact with the skin may cause irritation and/or dermatitis.

**OTHER POTENTIAL HEALTH HAZARDS:**

Skin absorption and inhalation of high concentrations of 2-butoxyethanol may damage liver, kidney and/or blood cell producing systems.

**MEDICAL CONDITIONS**

**AGGRAVATED BY EXPOSURE:**

Contact with skin may aggravate pre-existing skin disorders. Individuals with pre-existing diseases of the central nervous system, liver, kidney or blood cell producing dysfunction may have increased susceptibility to the effects of exposure.

**CARCINOGENICITY:** No components are listed by OSHA, NTP or IARC as known or suspected carcinogens.

**SECTION VII -- EMERGENCY AND FIRST AID PROCEDURES**

- EYES:** Flush eyes with water for 15 minutes lifting upper and lower lids occasionally. Consult physician if irritation persists.
- SKIN:** Remove contaminated clothing. Wash skin twice with soap and water. If irritation persists, consult a physician.
- INGESTION:** If conscious, dilute with 4 to 8 ounces of water and seek immediate medical attention. DO NOT induce vomiting.
- INHALATION:** Remove to fresh air immediately. Use oxygen if there is difficulty breathing or artificial respiration if respiration has stopped. Seek medical attention if necessary.

**SECTION VIII -- PRECAUTIONS FOR SAFE HANDLING AND USE**

**SPILL**

**PROCEDURES:**

Shut off/remove all ignition sources. Isolate area and deny entry. Ventilate area and avoid breathing vapors and /or mists. Remove residue with inert sorbent such as sand, oil dry or other similar materials and place in covered containers. Wear protective equipment specified below. Contain away from surface waters and sewers.

**WASTE DISPOSAL  
METHODS:**

Do not incinerate container. Dispose in accordance with Federal, State, and local regulations.

**HANDLING  
PRECAUTIONS:**

Do not stick pins, nails or any other sharp objects into opening on top. Do not puncture cans. Do not spray in eyes, on skin or clothing. Avoid breathing vapors or mists. DO NOT smoke when handling product.

**SHIPPING AND  
STORING  
PRECAUTIONS:**

Empty product containers may contain product residue. Do not pressurize, cut, heat, weld, grind or expose containers to flame or other sources of ignition. Keep container tightly closed when not in use and during transport.

**PERSONAL  
HYGIENE:**

Use good personal hygiene. Wash thoroughly with soap and water after handling and before eating, drinking or using tobacco products.

## SECTION IX -- CONTROL MEASURES

- VENTILATION:** Provide local exhaust or general dilution ventilation as determined necessary to maintain concentrations of vapors or mists below applicable exposure limits. Where explosive mixtures may be present, systems safe for such locations should be used.
- PROTECTIVE GLOVES:** Use nitrile or neoprene gloves for repeated or prolonged contact.
- EYE PROTECTION:** Use protective eyewear such as safety glasses with side shields, goggles or faceshield to prevent contact with spray or mist.
- RESPIRATORY PROTECTION:** Use NIOSH-approved respiratory protective equipment when concentration of vapors or mists exceeds applicable exposure limit. Depending on the airborne concentration, use a respirator or gas mask with appropriate cartridges and canisters (organic vapor with mist prefilter). A self-contained breathing apparatus (SCBA) is required for large spills and/or emergencies. Selection and use of respiratory protective equipment should be in accordance with OSHA General Industry Standard 29 CFR 1910.134 - Respiratory Protection.
- OTHER PROTECTIVE EQUIPMENT:** A source of clean water should be available in work area for flushing eyes and skin. Wear apron or other protective clothing as needed to protect against contact with skin.

## SECTION X -- OTHER REGULATORY INFORMATION

- DOT PROPER SHIPPING NAME:** Consumer Commodity
- DOT CLASS:** ORM-D
- DOT ID NUMBER:** None
- SARA TITLE III:** Product does not contain a toxic chemical or chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
- Product poses the following physical and/or health hazard(s) as defined in 40 CFR 370.3 (Sections 311, 312 of SARA Title III):
- Immediate (Acute) Health Hazard
  - Delayed (Chronic) Health Hazard
  - Fire Hazard
  - Sudden Release of Pressure Hazard

## SECTION XI -- PREPARATION INFORMATION

- PREPARED BY:** SK Product Review Committee **FORM NO.** 900-14-006
- ORIGINAL ISSUE DATE:** July 20, 1989 **REVISED:** December 1, 1989 **SUPERSEDES:** July 20, 1989

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