

To: Carol Wastee

SAFETY-KLEEN HEAVY DUTY LACQUER THINNER 6782

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	MEDICAL:	TRANSPORTATION:
These numbers are for emergency use only. If you desire non-emergency information about this product, please call the telephone number listed above.	800/942-5969 or 312/942-5969 RUSH POISON CONTROL CENTER CHICAGO, ILLINOIS (24 HOURS)	800/424-9300 CHEMTREC

IDENTITY (TRADE NAME): SAFETY-KLEEN HEAVY DUTY LACQUER THINNER 6782
SK PART NUMBER: 5820, 5825
FAMILY/CHEMICAL NAME: N/A
PRODUCT USAGE: LACQUER THINNER

SECTION II -- HAZARDOUS COMPONENTS

NAME	SYNONYM	%	CAS NO.	OSHA PEL (ppm)	ACGIH TLV (ppm)
*Toluene	Toluol	5-60	108-88-3	100 150 STEL	100 150 STEL
*Xylene	XyloI	5-20	1330-20-7	100 150 STEL	100 150 STEL
Heptane	n-Heptane	N/E	142-82-5	400 500 STEL	400 500 STEL
*Methyl Ethyl Ketone	MEK	5-40	78-93-3	200 300 STEL	200 300 STEL
*Methyl Isobutyl Ketone	MIBK	0.1-10	108-10-1	50 75 STEL	50 75 STEL
Methylcyclohexane	Cyclohexylmethane	0.10-40	108-87-2	400	400
*Acetone	2-Propanone	2-20	67-64-1	750 1000 STEL	750 1000 STEL
*Cyclohexane			110-82-7	300	300
*Isopropanol	Isopropyl Alcohol	0.1-20	67-63-0	400 500 STEL	400 500 STEL
*Methanol	Methyl Alcohol	2-10	67-56-1	200 250 STEL	200 250 STEL
Lactol Spirits	VM & P Naphtha	0.1-20	8030-30-6	300 400 STEL	300
Ethanol	Ethyl Alcohol	0.1-10	64-17-5	1000	1000
n-Butyl Acetate	Butyl Acetate	0.1-15	123-86-4	150 200 STEL	150 200 STEL
Isobutyl Acetate	Isobutyl Ester Acetic Acid	0.1-15	110-19-0	150	150
Ethyl 3-Ethoxypropionate	3-Ethoxypropionic Acid Ethyl Ester	N/E	763-69-9	N/E	N/E

N/E = Not Established
* See Section X - Other Regulatory Information

SECTION III -- PHYSICAL DATA

PHYSICAL STATE, APPEARANCE AND ODOR:	Liquid - colorless, clear, with a characteristic solvent odor.
BOILING POINT:	~ 131 - 347° F
MELTING POINT:	Not Applicable
EVAPORATION RATE:	3.68 (N-Butyl = 1)
PERCENT VOLATILE:	100%
VAPOR DENSITY:	3.02 (Air = 1)
VAPOR PRESSURE:	94.7 mm Hg @ 20 ° C
SOLUBILITY IN WATER:	Appreciable
pH:	Not Applicable
SPECIFIC GRAVITY:	~ 0.802 (Water = 1)
MOLECULAR WEIGHT:	Use molecular weight of individual components.
VOLATILE ORGANIC COMPOUNDS:	802 g/L

SECTION IV -- FIRE AND EXPLOSION HAZARD DATA

FLASH POINT:	< 20° F (TCC)	
AUTOIGNITION TEMPERATURE:	Not Available	
CONDITIONS OF FLAMMABILITY:	Normal temperatures and pressures.	
FLAMMABLE LIMITS IN AIR - LOWER:	1.0%	UPPER: 13.2%
EXTINGUISHING MEDIA:	Carbon dioxide, foam, dry chemical, water (mist only)	
FIRE FIGHTING PROCEDURES -- SPECIAL:	NFPA 704 Rating 2-3-0	

Water may be used to cool containers and firefighters. However, water could cause free solvent to float and spread fire.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

Flammable liquid. Most components are Class 1B with flash point below 73° F and boiling point above 100° F.

HAZARDOUS COMBUSTION PRODUCTS: Carbon Monoxide

SECTION V -- REACTIVITY DATA

STABILITY:	Stable under normal temperatures and conditions.
INCOMPATIBILITY: (CONDITIONS TO AVOID)	Heat sparks, flames, fire, strong oxidizing agents.
HAZARDOUS POLYMERIZATION:	Not known to occur under normal conditions.
HAZARDOUS DECOMPOSITION PRODUCTS:	Normally none. Incomplete burning may yield carbon monoxide.

SECTION VI -- HEALTH HAZARD DATA

PRIMARY ROUTES OF EXPOSURE: Inhalation, skin and eye contact.

HEALTH HAZARD DATA/SIGNS AND SYMPTOMS OF EXPOSURE:

- ACUTE:** *Skin:* Contact may cause irritation, dryness and cracking. Prolonged or repeated contact may remove skin oils, possibly leading to irritation and dermatitis. Material is readily absorbed through skin.
- Eyes:* Direct contact may cause severe irritation and temporary corneal damage. Vapors may cause noticeable redness, tearing, irritation and pain. Conjunctivitis may occur upon chronic exposure.
- Inhalation:* Can cause headache, dizziness, confusion, nausea, vomiting, irritation of the respiratory system and other central nervous system effects including unconsciousness in extreme cases.
- Ingestion:* Can cause burning of the mouth, throat and abdomen, nausea, vomiting, diarrhea, symptoms of the central nervous system depression, including weakness, dizziness, slow and shallow respiration, unconsciousness and convulsions. Aspiration into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possible death.
- CHRONIC:** *Inhalation:* Prolonged overexposure may cause damage to the liver, kidney, spleen, lungs or nervous system.

OTHER POTENTIAL HEALTH HAZARDS:

Reports have associated prolonged and repeated occupational exposure to solvents with permanent brain and/or central nervous system damage. Intentional misuse by deliberately concentrating and inhaling this material may be harmful or fatal. Observe all appropriate control measures.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE:

Individuals with pre-existing liver, kidney, spleen, lungs, skin or nervous system dysfunction may have increased susceptibility to the effects of the exposure. Contact with skin may aggravate pre-existing dermatitis.

CARCINOGENICITY: No components are known or suspected carcinogens.

SECTION VII -- EMERGENCY AND FIRST AID PROCEDURES

- EYES:** For direct contact, flush eyes with clean water for 15 minutes lifting upper and lower lids occasionally. Consult physician if irritation persists. If irritation or redness from exposure to vapors or mists develop, move victim away from exposure and into fresh air.
- SKIN:** Remove contaminated clothing. Wash skin twice with soap and water. If irritation develops and persists, consult a physician.
- INGESTION:** Aspiration hazard. 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. Do not leave victim unattended. Seek immediate medical attention if necessary.

SECTION VIII -- PRECAUTIONS FOR SAFE USE AND HANDLING

- SPILL PROCEDURES:** Remove all ignition sources. Isolate area and deny entry. If possible, contain as a liquid for possible recycling. Absorb onto sand or other absorbent material. Shovel into closable container for disposal. Wear protective equipment specified below. Contain away from surface waters and sewers.
- WASTE DISPOSAL METHODS:** Dispose in accordance with Federal, State and local regulations. Contact Safety-Kleen regarding recycling.
- HANDLING PRECAUTIONS:** Do not get into eyes, on skin or clothing. Avoid breathing vapors. DO NOT smoke when handling this 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, when concentrations of vapors exceed applicable exposure limits. Where explosive mixtures may be present, systems safe for such locations should be used.

**PROTECTIVE
GLOVES:**

To protect against contact with skin, wear nitrile gloves.

**EYE
PROTECTION:**

Where there is likelihood of eye contact, wear chemical goggles. Contact lenses should not be worn.

**RESPIRATORY
PROTECTION:**

Use NIOSH-approved respiratory protective equipment when concentration of vapors exceeds applicable exposure limit. Depending on the airborne concentration, use a respirator or gas mask with appropriate cartridges and canisters (for organic vapors). A self-contained breathing apparatus (SCBA) is required for large spills and 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 the work area for flushing eyes and skin. Wear rubber apron or other protective clothing as needed to protect against spills or splash.

SECTION X -- OTHER REGULATORY INFORMATION

**DOT PROPER
SHIPPING NAME:**

Paint-Related Material

DOT CLASS:

Flammable Liquid

DOT ID NUMBER:

NA1263

SARA TITLE III:

Product contains 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. Toxic constituents are listed with an asterisk in Section II of this Material Safety Data Sheet.

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

SECTION XI -- PREPARATION INFORMATION

PREPARED BY:

SK Product Review Committee

FORM NO. 900-14-055

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SUPERSEDES: July 20, 1989

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