

MATERIAL SAFETY DATA SHEET

Klean-Strip KS Pro Paint Thinner

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HEALTH		1
FLAMMABILITY		0
PHYSICAL HAZ.		0
PPE		X



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1. Product and Company Identification

Product Code: 1691.4
Product Name: Klean-Strip KS Pro Paint Thinner
Manufacturer Information
Company Name: W. M. Barr
2105 Channel Avenue
Memphis, TN 38113
Phone Number: (901)775-0100
Emergency Contact: 3E 24 Hour Emergency Contact (800)451-8346
Information: W.M. Barr Customer Service (800)398-3892
Web site address: www.wmbarr.com
Preparer Name: W.M. Barr and Company, Inc. (901)775-0100
Intended Use: Paint thinning and general paint clean up.
Synonyms
GKKP94407, GKKP94407D

2. Hazards Identification

Emergency Overview

Danger! Harmful or Fatal If Swallowed.

OSHA Regulatory Status:

This material is classified as hazardous under OSHA regulations.

Health Hazards (Acute and Chronic)

The following health hazards are associated with the hazardous ingredients listed in Section 2.
Composition/Information on Ingredients.

Inhalation Acute Exposure Effects:

Breathing high concentrations may be harmful. Mist or vapor can irritate the throat and lungs. Breathing this material may cause dizziness; headache; watering of eyes; eye irritation; weakness; nausea; muscle twitches, and depression of central nervous system. Severe overexposure may cause convulsions; unconsciousness; and death. Intentional misuse of this product by deliberately concentrating and inhaling can be harmful or fatal.

Skin Contact Acute Exposure Effects:

This material can cause mild, transient skin irritation with short-term exposure. Symptoms include redness, itching, and burning of the skin. Repeated or prolonged skin contact can produce moderate irritation.

Eye Contact Acute Exposure Effects:

This material can cause mild eye irritation. Symptoms include stinging, watering, redness, and swelling.

Ingestion Acute Exposure Effects:

Harmful or fatal if swallowed. If swallowed, this material may irritate the mucous membranes of the mouth, throat, and esophagus. It can be readily absorbed by the stomach and intestinal tract. Symptoms include a burning sensation of the mouth and esophagus, nausea, vomiting, dizziness, staggering gait, drowsiness, loss of consciousness, and delirium, as well as additional central nervous system effects. There is a danger of aspiration into the lungs during vomiting. Aspiration can result in severe lung damage or death.

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Chronic Exposure Effects:

Reports have associated repeated and prolonged overexposure to solvents with neurological and other physiological damage. Intentional misuse by deliberately concentrating and inhaling this material may be harmful or fatal. Prolonged or repeated contact may cause dermatitis. May cause jaundice; bone marrow damage; liver damage; anemia; and skin irritation.

Signs and Symptoms Of Exposure

Inhalation, ingestion, and dermal are possible routes of exposure. See Health Hazards for signs and symptoms of exposure.

Medical Conditions Generally Aggravated By Exposure

Diseases of the skin, eyes, liver, kidneys, central nervous system and respiratory system.

3. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration
1. Hydrotreated light distillate (petroleum)	64742-47-8	15.0 -40.0 %

4. First Aid Measures

Emergency and First Aid Procedures

Inhalation:

If user experiences breathing difficulty, move to air free of vapors, Administer oxygen or artificial medical assistance can be rendered.

Skin Contact:

Wash with soap and large quantities of water and seek medical attention if irritation from contact persists.

Eye Contact:

Flush with large quantities of water for at least 15 minutes and seek immediate medical attention.

Ingestion:

Do not induce vomiting. If victim is drowsy or unconscious, place on the left side with head down. Never give anything by mouth to a person who is not fully conscious. Seek medical attention immediately. Call your local poison control center, hospital emergency room or physician immediately for further instructions.

Note to Physician

A component of this product sensitizes the heart to the effects of sympathomimetic amines. Epinephrine and other sympathomimetic drugs may initiate cardiac arrhythmias in individuals exposed to this material. Administration of sympathomimetic drugs should be avoided.

5. Fire Fighting Measures

Flash Pt: No data.

Explosive Limits: LEL: N.E. UEL: N.E.

Special Fire Fighting Procedures

This material does not flash to boiling.

Self-contained respiratory protection should be provided for fire fighters fighting fires in buildings or confined areas. Storage containers exposed to fire should be kept cool with water spray to prevent pressure build-up.

Unusual Fire and Explosion Hazards

No flash to boiling. This material does not exhibit a flashpoint per the Setaflash Closed Cup test method.

Hazardous Combustion Products

Oxides of carbon.

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Suitable Extinguishing Media

Use carbon dioxide, dry powder, foam, or water spray.

Unsuitable Extinguishing Media

None known.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled

Clean up:

Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind, out of low areas, and ventilate closed spaces before entering.

Small spills:

Take up with sand, earth or other noncombustible absorbent material and place in a metal or plastic container where applicable.

Large spills:

Dike far ahead of spill for later disposal.

Waste Disposal:

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

7. Handling and Storage

Precautions To Be Taken in Handling

Read carefully all cautions and directions on product label before use. Since empty container retains residue, follow all label warnings even after container is empty. Dispose of empty container according to all regulations.

Do not reuse this container.

Precautions To Be Taken in Storing

When stored for an extended period of time, the product may separate into two layers with the hazardous ingredient(s) on the top layer. Before use, mix the product by making sure the container is tightly closed and gently shaking the container to agitate the two layers back into solution.

Protect from freezing.

Keep container tightly closed when not in use.

Store in a cool, dry place.

Do not store near flames or at elevated temperatures.

8. Exposure Controls/Personal Protection

Hazardous Components (Chemical Name)	CAS #	OSHA TWA	ACGIH TLV	Other Limits
1. Hydrotreated light distillate (petroleum)	64742-47-8	PEL: 200 ppm STEL: 500 ppm/(10min) CEIL: 300 ppm	TLV: 200 mg/m3	No data.

Respiratory Equipment (Specify Type)

For OSHA controlled work place and other regular users. Use only with adequate ventilation under engineered air control systems designed to prevent exceeding appropriate TLV. For occasional use, where engineered air control is not feasible, use properly maintained and properly fitted NIOSH approved respirator for organic solvent vapors. A dust mask does not provide protection against vapors.

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Eye Protection

Safety glasses, goggles or face shields are recommended to safeguard against potential eye contact, irritation, or injury. Contact lenses should not be worn while working with chemicals.

Protective Gloves

For OSHA controlled work place and other regular users, wear impermeable gloves to prevent skin contact. Gloves contaminated with product should be discarded.

For occasional use, wear impermeable gloves to prevent extended or repeated contact with the skin.

Other Protective Clothing

Various application methods can dictate use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure.

Ventilation

Use only with adequate ventilation to prevent build-up of vapors. Open windows and doors if needed to provide fresh air. If strong odor is noticed or you experience slight dizziness, headache, nausea, or eye-watering - Stop - ventilation is inadequate. Leave area immediately.

Work/Hygienic/Maintenance Practices

A source of clean water should be available in the work area for flushing of the eyes and skin. Wash hands thoroughly after use. Do not eat, drink, or smoke in the work area. Before reuse, thoroughly clean any clothing or protective equipment that has been contaminated by prior use. Discard any clothing or other protective equipment that cannot be decontaminated.

9. Physical and Chemical Properties

Physical States:	[] Gas	[X] Liquid	[] Solid
Melting Point:	0.00 C		
Boiling Point:	> 100.00 C		
Autoignition Pt:	No data.		
Flash Pt:	No data.		
Explosive Limits:	LEL: N.E.	UEL: N.E.	
Specific Gravity (Water = 1):	0.890 - 0.931		
Density:	7.66 LB/GL		
Bulk density:	No data.		
Vapor Pressure (vs. Air or mm Hg):	0.52 MM HG at 68.0 F (20.0 C)		
Vapor Density (vs. Air = 1):	> 1		
Evaporation Rate (vs Butyl Acetate=1):	< 1		
Solubility in Water:	65 %		
Percent Volatile:	> 99.0 % by weight.		
VOC / Volume:	< 300.0000 G/L		
Viscosity:	50 at 77.0 F (25.0 C)		
Heat Value:	No data.		
Particle Size:	No data.		
Corrosion Rate:	No data.		
pH:	Neutral		

Appearance and Odor

Opaque, milky white, thin emulsion with a light petroleum distillate odor.

VOC/VOLUME: 32% by weight.

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability

No data available.

Incompatibility - Materials To Avoid

Incompatible with strong oxidizing agents.

Hazardous Decomposition Or Byproducts

Decomposition may produce carbon monoxide and carbon dioxide.

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Reactions

No data available.

11. Toxicological Information

This product has not been tested as a whole. Information below will be for individual ingredients.

Hydrotreated Light Distillates:

ACUTE TOXICITY:

LC50 Rat Inhalation >3,000 mg/kg

LD50 Rabbit skin 5.5 mg/l 8 hrs

SKIN CORROSION / IRRITATION: Studies on laboratory animals have shown similar materials to cause skin irritation after repeated or prolonged contact. Repeated direct application to the skin can produce defatting dermatitis and kidney damage in laboratory animals. The significance of these animal study results to human health is unclear.

SERIOUS EYE DAMAGE / IRRITATION: Studies on laboratory animals have associated similar materials with eye and respiratory tract irritation.

RESPIRATORY OR SKIN SENSITIZATION: Skin sensitization was not evident in animal studies.

ASPIRATION HAZARD: This material presents an aspiration hazard.

MUTAGENIC DATA: No data.

IMMUNOTOXICITY: No data.

NEUROTOXICITY: Repeated exposure to elevated concentrations of hydrocarbon solvents can produce a variety of transient CNS effects (e.g., dizziness, headache, narcosis, etc.)

DEVELOPMENTAL/REPRODUCTIVE: No data.

CARCINOGEN STATUS: There is inadequate evidence for the carcinogenicity of petroleum solvents in humans.

Chronic Toxicological Effects

This product has not been tested as a whole.

Carcinogenicity/Other Information

No data available.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1. Hydrotreated light distillate (petroleum)	64742-47-8	n.a.	n.a.	A4	n.a.

12. Ecological Information

No information available for this product as a whole.

Hydrotreated Light Distillates:

TOXICITY: This mixture contains components that are potentially toxic to freshwater and saltwater ecosystems. This material may be harmful to aquatic organisms and may cause long term adverse effects in the aquatic environment. In stagnant or slow-flowing waterways, a hydrocarbon layer can cover a large surface area. As a result, this covering layer might limit or eliminate natural atmospheric oxygen transport into the water. With time,

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if not removed, oxygen depletion in the waterway might be enough to cause a fish kill or create an anaerobic environment. This coating can also be harmful or fatal to plankton, algae, aquatic life, and water birds.

PERSISTENCE AND DEGRADABILITY: This material will normally float on water. Components will evaporate rapidly.

BIOACCUMULATIVE POTENTIAL: The octanol-water partition coefficient for this material is expected to be in the range of 2.1 to 5.

MOBILITY IN SOIL: No data.

OTHER ADVERSE EFFECTS: No data.

13. Disposal Considerations

Waste Disposal Method

Dispose in accordance with federal, state, and local regulations.

14. Transport Information

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name Paint Related Material, Not Regulated by D.O.T.

LAND TRANSPORT (Canadian TDG)

Additional Transport Information

For DOT information, contact W.M. Barr Technical Services.

The supplier may apply one of the following exceptions: Combustible Liquid, Consumer Commodity, Limited Quantity, Viscous Liquid, Does Not Sustain Combustion, or others, as allowed under 49CFR Hazmat Regulations. Please consult 49CFR Subchapter C to ensure that subsequent shipments comply with these exceptions.

15. Regulatory Information

Canadian Chemical Lists

Hazardous Components (Chemical Name)	CAS #	Canadian NPRI	Canadian IDL
1. Hydrotreated light distillate (petroleum)	64742-47-8	Yes	No

Canadian WHMIS Classification

No data available.

US EPA SARA Title III

Hazardous Components (Chemical Name)	CAS #	Sec.302 (EHS)	Sec.304 RQ	Sec.313 (TRI)	Sec.110
1. Hydrotreated light distillate (petroleum)	64742-47-8	No	No	No	No

US EPA CAA, CWA, TSCA

Hazardous Components (Chemical Name)	CAS #	EPA CAA	EPA CWA NPDES	EPA TSCA	CA PROP 65
1. Hydrotreated light distillate (petroleum)	64742-47-8	HAP, ODC ()	No	Inventory	No

EPA Hazard Categories:

This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

Yes No Acute (immediate) Health Hazard
 Yes No Chronic (delayed) Health Hazard
 Yes No Fire Hazard
 Yes No Sudden Release of Pressure Hazard
 Yes No Reactive Hazard

Regulatory Information

This product has been classified according to the hazard criteria of the Controlled Products Regulations.

Concentrations reported in section 2 are weight/weight.

Ingredients disclosed in section 2 are on Canadian DSL.

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Hydrotreated Light Distillates CAS # 64742-47-8

WHMIS Classification:

B3 - Flammable and combustible material - Combustible liquid

WHMIS Health Effects Criteria Met by this Chemical: Does not meet criteria

WHMIS Ingredient Disclosure List: Not included. Meets criteria for disclosure at 1% or greater.

16. Other Information

No data available.