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MATERIAL SAFETY DATA SHEET

Klean-Strip Gum Spirits Turpentine Substitute

HEALTH	*	1
FLAMMABILITY		2
PHYSICAL HAZ.		0
PPE		X



Printed: 10/15/2010
Revision: 10/13/2010

1. Product and Company Identification

Product Code: 1901
Product Name: Klean-Strip Gum Spirits Turpentine Substitute
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 EHS Department (901)775-0100
Intended Use: Removes fresh general purpose adhesives, and some dried adhesives.
Synonyms
GGT69CA

2. Hazards Identification

Emergency Overview

Danger! Harmful or fatal if swallowed. Eye Irritant. May cause allergic reaction by skin contact or inhalation.
Combustible.

Use only with adequate ventilation to prevent buildup of vapors. Do not use in areas where vapors can accumulate and concentrate such as basements, bathrooms, or small enclosed areas.

OSHA Regulatory Status:

This material is classified as hazardous under OSHA regulations.

Health Hazards (Acute and Chronic)

INHALATION:

Vapor harmful. Danger of serious damage to health by prolonged exposure through inhalation.

SKIN CONTACT:

Prolonged skin contact may cause skin irritation and/or dermatitis.

EYE CONTACT:

Liquid contact will cause irritation.

INGESTION:

Harmful or fatal if swallowed. May cause gastrointestinal irritation, nausea, vomiting, and diarrhea.

CHRONIC EFFECTS:

Reports have associated repeated and prolonged overexposure to solvents with neurological and other physiological damage.

TARGET ORGANS: skin, central nervous system

PRIMARY ROUTES OF ENTRY: inhalation, skin contact

Signs and Symptoms Of Exposure

See Potential Health Effects.

Medical Conditions Generally Aggravated By Exposure

None known.

3. Composition/Information on Ingredients

Hazardous Components (Chemical Name)	CAS #	Concentration
1. Hydrotreated light distillate (petroleum)	64742-47-8	60.0 -100.0 %
2. Turpentine {Gumspirits; Supfate wood turpentine}	8006-64-2	10.0 -30.0 %

4. First Aid Measures

Emergency and First Aid Procedures

Skin:

Wash the skin thoroughly with water and soap, if available, while removing contaminated clothing. Seek medical attention if irritation persists.

Eyes:

Immediately begin to flush eyes with water, remove any contact lens. Continue to flush the eyes for at least 15 minutes. Seek medical attention.

Inhalation:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

Ingestion:

If swallowed, do NOT induce vomiting. Seek immediate medical attention. Call a physician, hospital emergency room, or poison control center immediately. Never give anything by mouth to an unconscious person.

5. Fire Fighting Measures

Flammability Classification:

NFPA Class II

Flash Pt:

128.00 F Method Used: Setaflash Closed Cup (Rapid Setaflash)

Explosive Limits:

LEL: No data.

UEL: No data.

Special Fire Fighting Procedures

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. Stay away from heads of containers that have been exposed to intense heat or flame.

Unusual Fire and Explosion Hazards

Material may float on water.

Hazardous Combustion Products

Carbon monoxide, carbon dioxide

Suitable Extinguishing Media

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

Unsuitable Extinguishing Media

None known.

6. Accidental Release Measures

Steps To Be Taken In Case Material Is Released Or Spilled

Vapors may cause flash fire or ignite explosively.

Clean up: Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind, out of low areas, and ventilate closed spaces before entering. Shut off ignition sources; keep flares, smoking or flames out of hazard

area. Use non-sparking tools. Use proper bonding and grounding methods for all equipment and processes. Keep out of waterways and bodies of water. Be cautious of vapors collecting in small enclosed spaces, sewers, low lying areas, confined spaces, etc.

Small spills: Take up with sand, earth or other noncombustible absorbent material and place in a 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.

Do not use this product near any source of heat or open flame, furnace areas, pilot lights, stoves, etc.

Do not use in small enclosed spaces, such as basements and bathrooms. Vapors can accumulate and explode if ignited.

Do not spread this product over large surface areas because fire and health safety risks will increase dramatically.

Precautions To Be Taken in Storing

Keep container tightly closed when not in use. Store in a cool, dry place. Do not store near any source of heat or open flame, furnace areas, pilot lights, stoves, etc.

8. Exposure Controls/Personal Protection

Hazardous Components (Chemical Name)	CAS #	OSHA PEL	ACGIH TLV	Other Limits
1. Hydrotreated light distillate (petroleum)	64742-47-8	No data.	200 mg/m ³	No data.
2. Turpentine {Gumspirits; Supfate wood turpentine}	8006-64-2	100 ppm	20 ppm	No data.

Respiratory Equipment (Specify Type)

For use in areas with inadequate ventilation or fresh air, wear a properly maintained and properly fitted NIOSH approved respirator for organic solvent vapors.

For OSHA controlled work places and other regular users - Use only with adequate ventilation under engineered air control systems designed to prevent exceeding the appropriate TLV.

A dust mask does not provide protection against vapors.

Eye Protection

Chemical splash goggles should be worn to prevent eye contact.

Protective Gloves

Wear gloves with as much resistance to the chemical ingredients as possible. Glove materials such as nitrile rubber may provide protection. Glove selection should be based on chemicals being used and conditions of use. Consult your glove supplier for additional information. Gloves contaminated with product should be discarded and not reused.

Other Protective Clothing

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

Ventilation

Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Use only with adequate ventilation to prevent buildup of vapors. Do not use in areas where vapors can accumulate and concentrate, such as basements, bathrooms or small enclosed areas. Whenever possible, use outdoors in an open air area. If using indoors open all windows and doors and maintain a cross ventilation of moving fresh air across the work area. If strong odor is noticed or you experience slight dizziness, headache, nausea or eye-watering -- STOP -- ventilation is inadequate. Leave area immediately and move to fresh air.

Work/Hygienic/Maintenance Practices

Wash hands thoroughly after use and before eating, drinking, or smoking.

Do not eat, drink, or smoke in the work area.

Facilities storing or handling this material should be equipped with an emergency eyewash and safety shower.

9. Physical and Chemical Properties

Physical States:	[] Gas	[X] Liquid	[] Solid
Melting Point:	No data.		
Boiling Point:	No data.		
Autoignition Pt:	No data.		
Flash Pt:	128.00 F	Method Used:	Setaflash Closed Cup (Rapid Setaflash)
Explosive Limits:	LEL: No data.		UEL: No data.
Specific Gravity (Water = 1):	0.824		
Density:	6.91 READ CA		
Bulk density:	No data.		
Vapor Pressure (vs. Air or mm Hg):	No data.		
Vapor Density (vs. Air = 1):	> 1		
Evaporation Rate (vs Butyl Acetate=1):	> 1		
Solubility in Water:	Not Soluble		
Percent Volatile:	100.0 % by weight.		
VOC / Volume:	166.0000 G/L		
Viscosity:	water thin		
Heat Value:	No data.		
Particle Size:	No data.		
Corrosion Rate:	No data.		
pH:	No data.		

Appearance and Odor

Aromatic hydrocarbon-like odor. Clear liquid, water white.

Additional Physical Information

This product contains 20% by weight VOC as defined by the California Air Resources Board (CARB).

10. Stability and Reactivity

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability

No data available.

Incompatibility - Materials To Avoid

Incompatible with acids, bases, and oxidizing agents.

Hazardous Decomposition Or Byproducts

Thermal 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.

TURPENTINE :

ACUTE TOXICITY:

LC50 Rat inhalation 3590 ppm/1 hr

LD50 Rat oral 5760 mg/kg

SKIN CORROSION / IRRITATION: Can cause dermatitis or chemical burns; it /can/ penetrate the skin to cause systemic effects.

SERIOUS EYE DAMAGE / IRRITATION: Overexposure to turpentine may cause irritation to the eyes, nose, throat, and lungs.

RESPIRATORY OR SKIN SENSITIZATION: Contact with turpentine oils can cause an allergic reaction.

ASPIRATION HAZARD: Material is an aspiration hazard.

MUTAGENIC DATA: no data

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IMMUNOTOXICITY: no data

NEUROTOXICITY: no data

DEVELOPMENTAL/REPRODUCTIVE: There is limited evidence that Turpentine may damage the developing fetus.

CARCINOGEN STATUS: Not classifiable as a human carcinogen.

Chronic Toxicological Effects

This product has not been tested as a whole.

Carcinogenicity/Other Information

ACGIH A4 - Not Classifiable as a Human Carcinogen.

Hazardous Components (Chemical Name)	CAS #	NTP	IARC	ACGIH	OSHA
1. Hydrotreated light distillate (petroleum)	64742-47-8	n.a.	n.a.	A4	n.a.
2. Turpentine {Gumspirits; Supfate wood turpentine}	8006-64-2	n.a.	n.a.	A4	n.a.

12. Ecological Information

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

Hydrotreated Light Distillates:

Toxicity: Not toxic to aquatic organisms up to water solubility. May adsorb to sediments and possibly cause toxic effects to organisms.

Persistence and Degradability: Slightly biodegradable in water-based tests due to low water solubility.

Bioaccumulative Potential: No data.

Mobility in Soil: No data.

TURPENTINE:

Toxicity: This substance is immiscible with water. This substance is known to evaporate quickly and biodegrade and should not cause long term effects.

Persistence and Degradability: This substance is known to evaporate quickly and biodegrade and should not cause long term effects. Related chemicals are known to be biodegradable.

Bioaccumulative Potential: Not determined. Related chemicals are known to be non-accumulating in the environment.

Mobility in Soil: No data.

13. Disposal Considerations

Waste Disposal Method

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

14. Transport Information

LAND TRANSPORT (US DOT)

DOT Proper Shipping Name Turpentine, solution
DOT Hazard Class: 3
DOT Hazard Label: FLAMMABLE LIQUID
UN/NA Number: UN1299

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Packing Group: III

Additional Transport Information

For D.O.T. information, contact W.M. Barr Technical Services at 1-800-398-3892.

The shipper / 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

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
2. Turpentine {Gumspirits; Supfate wood turpentine}	8006-64-2	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
2. Turpentine {Gumspirits; Supfate wood turpentine}	8006-64-2	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

16. Other Information

No data available.