

SAFETY DATA SHEET

KLEAN HEAT

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Printed: 03/21/2023

Revision: 03/21/2023

Supersedes Revision: 03/14/2023

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: KLEAN HEAT
Company Name: W. M. Barr
2105 Channel Avenue
Memphis, TN 38113
Web site address: www.wmbarr.com
Emergency Contact: 3E 24 Hour Emergency Contact (800)451-8346
Information: W.M. Barr Customer Service (800)398-3892
Intended Use: Fuel
Product Code: GKKEH99991, CKKEH995, EKKEH992

2. HAZARDS IDENTIFICATION

Flammable Liquids, Category 4

Skin Corrosion/Irritation, Category 2

Specific Target Organ Toxicity (single exposure), Category 3

Aspiration Toxicity, Category 1



GHS Signal Word: Danger

GHS Hazard Phrases: H227 - Combustible liquid.
H304 - May be fatal if swallowed and enters airways.
H315 - Causes skin irritation.
H336 - May cause drowsiness or dizziness.

GHS Precautionary Phrases: P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition source.
No smoking.
P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P235 - Keep cool.

GHS Response Phrases: P301+310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P302+352 - IF ON SKIN: Wash with plenty of soap and water.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P312 - Call a POISON CENTER or doctor/physician if you feel unwell.
P321 - Specific treatment see ... on this label.
P331 - Do NOT induce vomiting.
P332+313 - If skin irritation occurs, get medical advice/attention.
P362 - Take off contaminated clothing and wash before re-use.
P370 - In case of fire:

GHS Storage and Disposal Phrases: P403 - Store in well-ventilated place.
P405 - Store locked up.
P501 - Dispose of contents/container according to local, state and federal regulations.

OSHA Regulatory Status: This material is classified as hazardous under OSHA regulations.

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Potential Health Effects (Acute and Chronic):	Contact may cause eye irritation. Harmful if inhaled. May cause central nervous system depression. May cause drowsiness or dizziness. Ingestion of large amounts may cause central nervous system depression. May be fatal if swallowed and enters airways. Irritating to mouth, throat and stomach. Skin Contact: Causes skin irritation.
Inhalation:	Adverse symptoms may include the following: nausea or vomiting headache drowsiness/fatigue dizziness/vertigo unconsciousness.
Skin Contact:	Adverse symptoms may include the following: irritation redness.
Eye Contact:	Adverse symptoms may include the following: pain or irritation watering redness.
Ingestion:	Adverse symptoms may include the following: nausea or vomiting.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration
64742-47-8	Hydrotreated light distillate (petroleum, mineral spirits)	100.0 %

4. FIRST AID MEASURES

Emergency and First Aid Procedures:	Inhalation: If user experiences breathing difficulty, move to air free of vapors. Skin: Wash with soap and large quantities of water for at least 15 minutes. Seek medical attention if irritation from contact persists. Seek medical attention if irritation persists. Eye Contact: Immediately flush eyes with water, remove any contact lens, continue flushing with water for at least 15 minutes. Get medical attention. Get medical attention. Ingestion: Do NOT induce vomiting. Call your poison control center, hospital emergency room, or physician immediately for instructions. If breathed in, move person into fresh air. If breathed in, move person into fresh air. If breathed in, move person into fresh air.
Note to Physician:	Call your local poison control center for further information.

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5. FIRE FIGHTING MEASURES

Flammability Classification: NFPA Class-III A

Flash Pt: 152.00 F Method Used: TAG Closed Cup

Explosive Limits: LEL: 0.8 UEL: 6.0

Autoignition Pt: > 428.00 F

Suitable Extinguishing Media: Use carbon dioxide, dry powder, or foam.

Fire Fighting Instructions: 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. 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.

Flammable Properties and

Hazards:

Hazardous Combustion

Products:

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled: DO NOT CLEAN-UP OR DISPOSE OF, EXCEPT UNDER SUPERVISION OF A SPECIALIST.

Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Stay upwind, out of low areas, and ventilate closed spaces before entering. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

Spills/Leaks:

Take up with sand or other non-combustible absorbent material and place into containers for later disposal.

Dike to collect large liquid spills.

Dike far ahead of spill for later disposal.

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. 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. according to local, state and federal regulations. Do not reuse this container.

Precautions To Be Taken in Storing: Keep container closed when not in use. Store in a cool, dry place. 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

CAS #	Chemical Name	Jurisdiction	Recommended Exposure Limits	Notations
64742-47-8	Hydrotreated light distillate (petroleum, mineral spirits)	ACGIH TLV	TLV: 200 mg/m3	

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Respiratory Equipment (Specify Type):	When refueling, if possible, use outdoors in an open air area. If refueling 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. Always follow appliance manufacturer's directions for fueling, ignition, and all other activities associated with use of the appliance.
Eye Protection:	Decomposition may produce carbon monoxide and carbon dioxide. Safety glasses, chemical 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:	Wear impermeable gloves. [0556 (missing text!)] [0556 (missing text!)]
Other Protective Clothing:	Various application methods can dictate use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure. Various application methods can dictate use of additional protective safety equipment, such as impermeable aprons, etc., to minimize exposure. A source of clean water should be available in the work area for flushing eyes and skin. Do not eat, drink, or smoke in the work area. Wash and dry hands. Before reuse, thoroughly clean any clothing or protective equipment that has been contaminated by prior use. Before reuse, thoroughly clean any clothing or protective equipment that has been contaminated by prior use.
Engineering Controls (Ventilation etc.):	Use only with adequate ventilation to prevent buildup of vapors. If using indoors open all windows and doors and maintain a cross ventilation of moving fresh air across the work 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States:	[] Gas [X] Liquid [] Solid
Appearance and Odor:	Clear. colorless. Characteristic hydrocarbon solvent odor. Odor threshold not determined.
pH:	N.A.
Melting Point:	-56.20 F
Boiling Point:	350.00 C - 475.00 F
Flash Pt:	152.00 F Method Used: TAG Closed Cup
Evaporation Rate:	< 1 (BuAC=1)
Flammability (solid, gas):	
Explosive Limits:	LEL: 0.8 UEL: 6.0
Vapor Pressure (vs. Air or mm Hg):	< 1.0 MM HG
Vapor Density (vs. Air = 1):	> 1
Specific Gravity (Water = 1):	0.74 - 0.82
Density:	6.16 - 6.82 LB/GL
Solubility in Water:	1.5 g/l
Saturated Vapor Concentration:	N.D.
Octanol/Water Partition Coefficient:	
Percent Volatile:	100.0 % by weight.

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VOC / Volume: 798.5600 G/L

Autoignition Pt: > 428.00 F

Decomposition Temperature:

Viscosity: < 6 CPS

a_fld_hdr[9]: Conductivity <50 picosiemens/meter.

ND = Not Determined.

NP: Not applicable.

Information with regard to
primary physical hazard:

10. STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability:

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:

11. TOXICOLOGICAL INFORMATION

Toxicological Information: In animal studies utilizing mineral spirits containing up to 22% aromatics indicated that the acute central nervous system effects are reversible. Based on existing animal studies, the potential for persistent effects is not clear.
Distillates (petroleum), hydrotreated light: Mineral spirits have produced slight to moderate skin irritation particularly with evaporation from the skin is prevented. Animal studies have demonstrated that mineral spirits produced mild respiratory tract irritation at elevated concentrations.

Irritation or Corrosion: Primary dermal irritation studies (four hour exposure) in rabbits utilizing mineral spirits containing less than 2% aromatics resulted in slight to moderate skin irritation. Distillates (petroleum), hydrotreated light: Mineral spirits have produced slight to moderate skin irritation particularly with evaporation from the skin is prevented. Animal studies have demonstrated that mineral spirits produced mild respiratory tract irritation at elevated concentrations. Also, sensory respiratory tract irritation was evident by reduced breathing rates in the test animals in certain studies.

Chronic Toxicological Effects: No known significant effects or critical hazards.

Carcinogenicity/Other Information: ACGIH A4 - Not Classifiable as a Human Carcinogen.

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CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
64742-47-8	Hydrotreated light distillate (petroleum, mineral spirits)			A4	

12. ECOLOGICAL INFORMATION

General Ecological Information: No known significant effects or critical hazards.

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: Not Regulated.

DOT Hazard Class:

UN/NA Number:

15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
64742-47-8	Hydrotreated light distillate (petroleum, mineral spirits)	No	No	No

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
64742-47-8	Hydrotreated light distillate (petroleum, mineral spirits)	TSCA: Inventory

Additional Regulatory Information This product is regulated by the United States Consumer Product Safety Commission and is subject to certain labeling requirements under the Federal Hazardous Substances Act. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS). The product label also includes other important information, including directions for use, and should always be read in its entirety prior to using the product.

16. OTHER INFORMATION

Revision Date: 03/21/2023 **Previous revision:** 03/14/2023
Preparer Name: W.M. Barr EHS Dept (901)775-0100

Additional Information About This Product:

Company Policy or Disclaimer: The information contained herein is presented in good faith and believed to be accurate as of the effective date shown above. This information is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. Any use of this data and information must be determined by the user to be in accordance with applicable federal, state and local laws and regulations.