

SAFETY DATA SHEET
KLEAN STRIP MULTI-SURFACE CLEANER
AEROSOL

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Printed: 05/11/2015
Revision: 05/09/2015
Supersedes Revision: 08/16/2005

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: KLEAN STRIP MULTI-SURFACE CLEANER AEROSOL
Company Name: W. M. Barr
2105 Channel Avenue
Memphis, TN 38113
Phone Number: (901)775-0100
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: Cleaner and degreaser
Synonyms: EKSC84010
Additional 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.

2. HAZARDS IDENTIFICATION

Gas Under Pressure, Liquefied gas
Skin Corrosion/Irritation, Category 3
Serious Eye Damage/Eye Irritation, Category 2
Germ Cell Mutagenicity, Category 1B
Simple Asphyxiant



GHS Signal Word: **Danger**
GHS Hazard Phrases: H280: Containers gas under pressure; may explode if heated.
H316: Causes mild skin irritation.
H319: Causes serious eye irritation.
H340: May cause genetic defects.
GHS Precaution Phrases: P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P264: Wash hands thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P281: Use personal protective equipment as required.
GHS Response Phrases: P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+313: IF exposed or concerned: Get medical attention/advice.
P332+313: If skin irritation occurs, get medical advice/attention.
P337+313: If eye irritation persists, get medical advice/attention.
GHS Storage and Disposal Phrases: P405: Store locked up.
P410+403: Protect from sunlight and store in well-ventilated place.
P501: Dispose of contents/container according to local, state and federal regulations.

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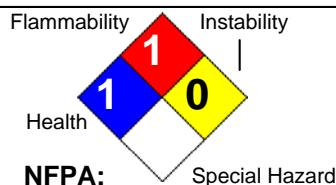
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Hazard Rating System:

HEALTH	*	1
FLAMMABILITY		1
PHYSICAL		0
PPE		B



HMIS:

OSHA Regulatory Status:

This material is classified as hazardous under OSHA regulations.

Potential Health Effects
(Acute and Chronic):

Inhalation Acute Exposure Effects:

May cause dizziness; headache; irritation of the respiratory tract; irritation and injuries to mucous membranes; weakness; drowsiness; nausea; depression of the central nervous system; anesthesia; nasal discomfort and discharge; chest pain and coughing; vomiting; narcosis; liver and kidney injury; blood disorders; and nose tumors. May cause central nervous system effects similar to those listed under ingestion. This product is a simple asphyxiant.

Skin Contact Acute Exposure Effects:

Harmful if absorbed through skin. May cause irritation; itching; defatting of skin; redness; swelling; tissue damage; inflammation; and discomfort or pain. Massive skin contact may cause poisoning. May be absorbed readily to produce symptoms listed under ingestion. Prolonged or widespread contact may result in absorption of potentially harmful amounts of this material.

Eye Contact Acute Exposure Effects:

This material is an eye irritant. Exposure to liquid, vapor, fumes, or mist may cause irritation; redness and swelling of the conjunctiva; excess blinking and tear production; pain; corneal inflammation and corneal damage.

Ingestion Acute Exposure Effects:

May cause dizziness; headache; nausea; weakness; loss of coordination; vomiting; diarrhea; changes in white blood cells; drowsiness; excitement; euphoria; blurred vision; fatigue; tremors; respiratory arrest; harmful central nervous system effects which may be delayed; convulsions; unconsciousness; coma and death. Severe acute intoxication may cause hypoglycemia; hypothermia and extensor rigidity. Ingestion of significant quantities may result in red blood cell hemolysis. Liquid aspirated into lungs can cause chemical pneumonitis, which can be fatal.

Chronic Exposure Effects:

Reports have associated repeated and prolonged overexposure to solvents with neurological and other physiological damage. May cause liver damage; kidney damage; blood disorders; eye irritation; brain damage; gastrointestinal irritation; and heart muscle damage. Prolonged skin contact may cause irritation; redness; swelling; inflammation; itching; possible secondary infection; defatting; drying and cracking of skin and possible tissue destruction.

Medical Conditions Generally Aggravated By Exposure: Diseases of the skin; liver; respiratory system and adverse effects in the reproductive system.

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3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)	Concentration	RTECS #
68476-86-8	Liquified petroleum gas, sweetened {propane, isobutane, n-butane}	5.0 -10.0 %	NA
67-63-0	Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol}	1.0 -5.0 %	NT8050000
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)}	1.0 -5.0 %	KJ8575000
108-65-6	Propylene glycol methyl ether acetate (PMA glycol ether acetate)	1.0 -5.0 %	AI8925000
112-07-2	Ethylene glycol monobutyl ether acetate {(a glycol ether)}	1.0 -5.0 %	KJ8925000

Additional Chemical Information Specific percentage of composition is being withheld as a trade secret.

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 respiration until medical assistance can be rendered.

Skin Contact:
Wash with soap and water. If irritation persists, seek medical assistance.

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

Ingestion:
Call your poison control center, hospital emergency room, or physician immediately for instructions.

Signs and Symptoms Of Exposure: Primary Route of Exposure:
Inhalation, ingestion, and dermal.

Note to Physician: Call your local poison control center for further information.

5. FIRE FIGHTING MEASURES

Flash Pt: Non-Flammable Aerosol
No data.

Explosive Limits: LEL: 1.1 UEL: No data.

Autoignition Pt: No data.

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

Flammable Properties and Hazards: No data available.

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6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled: Clean-up:
Keep unnecessary people away. Isolate hazard and deny entry until all gas has dispersed. Stop leak if you can do it without risk. Stay upwind, out of low areas and ventilate closed areas before entering. Keep flares, smoking or flames out of the hazard area. Use water spray to reduce vapors. For the liquid portion of the spill, take up liquid with sand, earth or other non-combustible absorbent material and place in a plastic container where applicable. Do not touch or walk through spilled material.

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: Store as Level 1 Aerosol (NFPA 30B).

Replace overcap on container after each use. Store in a cool, dry place. Do not store near flames or at elevated temperatures.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
68476-86-8	Liquified petroleum gas, sweetened {propane, isobutane, n-butane}	No data.	No data.	No data.
67-63-0	Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol}	PEL: 400 ppm	TLV: 200 ppm STEL: 400 ppm	No data.
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)}	PEL: 50 ppm	TLV: 20 ppm	No data.
108-65-6	Propylene glycol methyl ether acetate (PMA glycol ether acetate)	No data.	No data.	No data.
112-07-2	Ethylene glycol monobutyl ether acetate {(a glycol ether)}	No data.	TLV: 20 ppm	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.

Eye Protection: 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. Gloves contaminated with product should be discarded. Promptly remove clothing that becomes soiled with product.

Other Protective Clothing: 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 hands thoroughly after use. 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.

Engineering Controls Use only with adequate ventilation to prevent build-up of vapors. Open all windows and

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(Ventilation etc.): doors. Use only with 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: [X] Gas [X] Liquid [] Solid
Appearance and Odor: No data available.
Melting Point: No data.
Boiling Point: No data.
Autoignition Pt: No data.
Flash Pt: No data.
Explosive Limits: LEL: 1.1 UEL: No data.
Specific Gravity (Water = 1): 0.9916
Bulk density: 8.263 LB/GA
Vapor Pressure (vs. Air or mm Hg): No data.
Vapor Density (vs. Air = 1): No data.
Evaporation Rate: No data.
Solubility in Water: No data.
pH: 9.85 - 10.85
Percent Volatile: 99.67 %
VOC / Volume: 10.0000

10. STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]
Conditions To Avoid - Instability: No data available.
Incompatibility - Materials To Avoid: Incompatible with strong oxidizing agents; strong caustics; strong acids; strong bases; mineral acids and alkali.
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.

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11. TOXICOLOGICAL INFORMATION

Toxicological Information: This product has not been tested as a whole. Refer to section 2 for acute and chronic health effects.

CAS# 111-76-2:
 Acute toxicity, LC50, Inhalation, Rat, 450.0 PPM, 4 H.
 Result:
 Behavioral: Ataxia.
 Nutritional and Gross Metabolic: Weight loss or decreased weight gain.
 - Toxicology and Applied Pharmacology, Academic Press, Inc., 1 E. First St., Duluth, MN 55802, Vol/p/yr: 68,405, 1983

Acute toxicity, LD50, Skin, Species: Rabbit, 220.0 MG/KG.
 Result:
 Effects on Embryo or Fetus: Extra embryonic structures (e.g., placenta, umbilical cord).
 Effects on Embryo or Fetus: Other effects to embryo.
 Specific Developmental Abnormalities: Musculoskeletal system.
 - Dow Chemical Company Reports., Dow Chemical USA, Health and Environment Research, Toxicology Research Lab, Midland, MI 48640, Vol/p/yr: MSD-46,

Acute toxicity, LD50, Oral, Rat, 250.0 mg/kg.
 Result:
 Lungs, Thorax, or Respiration: Changes in pulmonary vascular resistance.

Standard Draize Test, Eyes, Species: Rabbit, 100.0 MG, Severe.
 Result:
 Effects on Newborn: Apgar score (human only).
 Effects on Newborn: Other neonatal measures or effects.
 Effects on Newborn: Drug dependency.
 - American Journal of Ophthalmology., Ophthalmic Pub. Co., 435 N. Michigan Ave., Suite 1415, Chicago, IL 60611, Vol/p/yr: 29,1363, 1946

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
68476-86-8	Liquified petroleum gas, sweetened {propane, isobutane, n-butane}	n.a.	n.a.	n.a.	n.a.
67-63-0	Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol}	n.a.	3	A4	n.a.
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)}	n.a.	3	A3	n.a.
108-65-6	Propylene glycol methyl ether acetate (PMA glycol ether acetate)	n.a.	n.a.	n.a.	n.a.
112-07-2	Ethylene glycol monobutyl ether acetate {(a glycol ether)}	n.a.	n.a.	A3	n.a.

12. ECOLOGICAL INFORMATION

General Ecological Information: This product has not been tested as a whole.

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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: Aerosols, non-flammable, Ltd. Qty.
DOT Hazard Class: 2.2 NONFLAMMABLE GAS
UN/NA Number: UN1950



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)
68476-86-8	Liquified petroleum gas, sweetened {propane, isobutane, n-butane}	No	No	No
67-63-0	Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol}	No	No	Yes
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)}	No	No	Yes-Cat. N230
108-65-6	Propylene glycol methyl ether acetate (PMA glycol ether acetate)	No	No	Yes-Cat
112-07-2	Ethylene glycol monobutyl ether acetate {(a glycol ether)}	No	No	Yes-Cat. N230

This material meets the EPA Yes No Acute (immediate) Health Hazard
'Hazard Categories' defined Yes No Chronic (delayed) Health Hazard
for SARA Title III Sections Yes No Fire Hazard
311/312 as indicated: Yes No Sudden Release of Pressure Hazard
 Yes No Reactive Hazard

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
68476-86-8	Liquified petroleum gas, sweetened {propane, isobutane, n-butane}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
67-63-0	Isopropyl alcohol {sec-Propyl alcohol; IPA; 2-Propanol}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 4 Test; CA PROP.65: No
111-76-2	Ethanol, 2-Butoxy- {Ethylene glycol n-butyl ether, (a glycol ether)}	CAA HAP,ODC: HAP; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No
108-65-6	Propylene glycol methyl ether acetate (PMA glycol ether acetate)	CAA HAP,ODC: HAP; CWA NPDES: No; TSCA: Yes - Inventory, 8A PAIR, 8D TERM; CA PROP.65: No
112-07-2	Ethylene glycol monobutyl ether acetate {(a glycol ether)}	CAA HAP,ODC: HAP; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No

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Regulatory Information Statement:

All components of this material are listed on the TSCA Inventory or are exempt.

16. OTHER INFORMATION

Revision Date:

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Additional Information About This Product:

No data available.

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.