| | 1. PRODUCT AND COMPANY | IDENTIFICATION | | |
|------------------------------------|---|------------------------------------|--|--|
| Product Name: Company Name: | Klean Strip Denatured Alcohol W. M. Barr 2105 Channel Avenue Memphis, TN 38113 | Phone Number: (901)775-0100 | | |
| Web site address: | www.wmbarr.com | | | |
| Emergency Contact: Information: | 3E 24 Hour Emergency Contact W.M. Barr Customer Service | (800)451-8346 (800)398-3892 | | |
| Intended Use: | Cleans glass and is used as a fuel for i | marine stoves | | |
| Synonyms: | CSL26, GSL26, QSL26, QSL26W | | | |
| 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 Substanc 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 using the product. | | | |
| | 2. HAZARDS IDENTIF | ICATION | | |

Flammable Liquids, Category 2 Acute Toxicity: Oral, Category 3 Acute Toxicity: Skin, Category 3 Acute Toxicity: Inhalation, Category 3 Specific Target Organ Toxicity (single exposure), Category 1



| GHS Signal Word: | Danger | |
|------------------------------------|---|-------------|
| GHS Hazard Phrases: | H225: Highly flammable liquid and vapor. | |
| | H301: Toxic if swallowed. | |
| | H311: Toxic in contact with skin. | |
| | H331: Toxic if inhaled. | |
| | H370: Causes damage to organs. | |
| GHS Precaution Phrases: | P210: Keep away from heat/sparks/open flames/hot surfaces No smoking. | |
| | P233: Keep container tightly closed. | |
| | P240: Ground/bond container and receiving equipment. | |
| | P241: Use explosion-proof electrical/ventilating/lighting equipment. | |
| | P242: Use only non-sparking tools. | |
| | P243: Take precautionary measures against static discharge. | |
| | P260: Do not breathe gas/mist/vapors/spray. | |
| | P264: Wash hands thoroughly after handling. | |
| | P270: Do not eat, drink or smoke when using this product. | |
| | P271: Use only outdoors or in a well-ventilated area. | |
| | P280: Wear protective gloves/protective clothing/eye protection/face protection P235: Keep cool. | on. |
| 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. | |
| | P303+361+353: IF ON SKIN (or hair): Remove/take off immediately all contar | minated |
| | clothing. Rinse skin with water/shower. | |
| | P304+340: IF INHALED: Remove victim to fresh air and keep at rest in a posi- | ition |
| | comfortable for breathing. | |
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| | Supersedes Revision: 09/10/2014 |
|--------------------------|---|
| | P307+311: IF exposed: Call a POISON CENTER or doctor/physician. |
| | P311: Call a POISON CENTER or doctor/physician. |
| | P330: Rinse mouth. |
| | P361: Remove/Take off immediately all contaminated clothing. |
| | P363: Wash contaminated clothing before reuse. |
| | P370+378: In case of fire, use dry chemical powder to extinguish. |
| GHS Storage and Disposal | P403+233: Store container tightly closed in well-ventilated place. |
| Phrases: | P405: Store locked up. |
| | P501: Dispose of contents/container to local, state and federal regulations. |
| Hazard Rating System: | HEALTH * 2 |
| 0, | |
| | PHYSICAL 0 Health |
| | PPE X |
| HMIS: | NFPA: V Special Hazard |
| OSHA Regulatory Status: | This material is classified as hazardous under OSHA regulations. |
| Potential Health Effects | Inhalation Acute Exposure Effects: |
| (Acute and Chronic): | Vapor harmful. May cause dizziness, headache, watering of eyes, irritation of respiratory |
| | tract, irritation to the eyes, drowsiness, nausea, other central nervous system effects, |
| | spotted or blurry vision, dilation of pupils, and convulsions. |
| | |
| | Skin Contact Acute Exposure Effects: |
| | May cause irritation, drying of skin, redness, and dermatitis. May cause symptoms listed |
| | under inhalation. May be absorbed through damaged skin. |
| | Eye Contact Acute Exposure Effects: |
| | May cause irritation. |
| | |
| | Ingestion Acute Exposure Effects: |
| | Poison. Cannot be made non-poisonous. May be fatal or cause blindness. May produce fluid in the lungs and pulmonary edema. May cause dizziness, headache, |
| | nausea, drowsiness, loss of coordination, stupor, reddening of face and or neck, liver, |
| | kidney and heart damage, coma, and death. May produce symptoms listed under |
| | inhalation. |
| | |
| | Chronic Exposure Effects: |
| | May cause symptoms listed under inhalation, dizziness, fatigue, tremors, permanent |
| | central nervous system changes, blindness, pancreatic damage, and death. |
| | Tarrack One and |
| | Target Organs: |
| | Liver, kidneys, pancreas, heart, lungs, brain, central nervous system, eyes |
| • | / Diseases of the liver, skin, lung, kidney, central nervous system, pancreas, and heart; |
| Aggravated By Exposure: | asthma; inflammatory or fibrotic pulmonary disease; any preexisting condition sensitive to a decrease in available oxygen, such as chronic lung disease, coronary artery |
| | disease, or anemias |
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| | 3. CO | MPOSITION/INFO | RMATION ON | INGREDIENTS | | | |
|----------------------------|---|--|--|--|--|--|--|
| CAS # | Hazardous Components (Chemical Name) | | Concentration | RTECS # | | | |
| 64-17-5 | Ethyl alcohol {Eth | anol} | 30.0 -50.0 % | KQ6300000 | | | |
| 67-56-1 | Methanol {Methyl alcohol; Carbinol; Wood alcohol} | | 40.0 -60.0 % | PC1400000 | | | |
| Additional Chemical | | Specific percentage of composition is being withheld as a trade secret. | | | | | |
| | | 4. FIRST A | ID MEASURE | S | | | |
| Emergency a Procedures: | and First Aid | | | y with large amounts of water and mild ed clothing. Seek medical attention if | | | |
| | | Eyes: Immediately begin to flush the eyes for at least 15 min | • | move any contact lens. Continue to flush mediate medical attention. | | | |
| | | Inhalation: Remove to fresh air. If no give oxygen. Get immedia | ••• | ficial respiration. If breathing is difficult, | | | |
| | | 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. | | | | | |
| Signs and S Exposure: | ymptoms Of | See Potential Health Affect | ots | | | | |
| Note to Physician: | | Poison. This product contains methanol. Methanol is metabolized to formaldehyde and formic acid. These metabolites may cause metabolic acidosis, visual disturbances and blindness. Since metabolism is required for these toxic symptoms, their onset may be delayed from 6 to 30 hours following ingestion. Ethanol competes for the same metabolic pathway and has been used as an antidote. Methanol is effectively removed by hemodialysis. Call your local poison control center for further instructions. | | | | | |
| | | 5. FIRE FIGH | TING MEASU | RES | | | |
| | | OSHA Class IB | | | | | |
| Flash Pt: | | 45.00 F Method Used: | Setaflash Closed C | up (Rapid Setaflash) | | | |
| Explosive L | imits: | LEL: No data. | UEL: No | o data. | | | |
| Autoignitior | n Pt: | No data. | | | | | |
| Suitable Ext | tinguishing Media | :Use carbon dioxide, dry p | owder, or alcohol re | sistant foam. | | | |
| Unsuitable I Media: | Extinguishing | Water may be ineffective. | Solid streams of wa | ater will likely spread the fire. | | | |
| Fire Fighting | g Instructions: | buildings or confined area | . Storage containers essure build-up. Sta | e provided for fire fighters fighting fires in s exposed to fire should be kept cool with ay away from heads of containers that have | | | |
| Flammable Hazards: | Properties and | Vapors are heavier than a and flash back. | ir. Vapor may trave | el considerable distance to source of ignitio | | | |
| Licensed to W.M | M. Barr and Company: | MIRS MSDS, (c) A V Systems, Ir | nc. | GHS forma | | | |

Flammability Classification:

| | 6. ACCIDENTAL RELEASE MEASURES |
|--|---|
| Steps To Be Taken In Case Material Is Released Or | Vapors are heavier than air. Vapors may cause flash fire or ignite explosively. |
| 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. 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 where vapors can accumulate. Vapors can accumulate and explode if ignited. |
| | Do not use this product if the work area is not well ventilated. Use only with adequate ventilation to prevent build up of vapors. |
| | Do not spread this product over large surface areas because fire and health safety risks will increase dramatically. |
| | Use proper bonding and grounding when transferring material. Be aware of static electricity generation when handling material. |
| 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 FYF | POSURE CONTROLS/PERSONAL PROTECTION |

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| | | | | Supersec | des Revision: 09/10/2014 | |
|--|--|---|--|--|--|--|
| CAS # | Partial Chemical Name | | OSHA TWA | ACGIH TWA | Other Limits | |
| 64-17-5 | Ethyl alcohol {Ethanol} | | PEL: 1000 ppm | TLV: 1000 ppm | No data. | |
| 67-56-1 | Methanol {Methyl alcohol; Carbinol; Wood alcohol} | | PEL: 200 ppm | TLV: 200 ppm STEL: 250 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. | | | | |
| | | | • | ther regular users - Use on systems designed to preve | | |
| | | | not provide protection | • | | |
| Eye Protect | | | | n to prevent eye contact. | | |
| Protective C | Bloves: | materials such as selection should b | nitrile, natural rubber, be based on chemicals additional information. | the chemical ingredients a and neoprene will provide being used and conditions Gloves contaminated with | protection. Glove s of use. Consult your | |
| Other Prote | ctive Clothing: | | | the use of additional prote s, etc., to minimize exposu | • | |
| Engineering (Ventilation | | Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. | | | | |
| | | where vapors can enclosed areas. N open all windows the work area. If s | accumulate and conc Whenever possible, us and doors and maintai strong odor is noticed ttering STOP vent | event buildup of vapors. Do entrate, such as basement e outdoors in an open air a in a cross ventilation of mo or you experience slight di ilation is inadequate. Leave | ts, bathrooms or small area. If using indoors oving fresh air across zziness, headache, | |
| Work/Hygie Practices: | nic/Maintenance | Wash hands thoro restroom. | bughly after use and be | efore eating, drinking, smo | king, or using the | |
| | | Do not eat, drink, | or smoke in the work a | area. | | |
| | | Discard any clothi | ng or other protective | equipment that cannot be o | decontaminated. | |
| | | Facilities storing on eyewash and safe | • | al should be equipped with | an emergency | |
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| 9. | PHYSICAL AND CHEMICAL PROPERTIES |
|---|---|
| Physical States: | []Gas [X]Liquid []Solid |
| Appearance and Odor: | Water white, alcohol odor |
| Melting Point: | No data. |
| Boiling Point: | 147.00 F |
| Autoignition Pt: | No data. |
| Flash Pt: | 45.00 F Method Used: Setaflash Closed Cup (Rapid Setaflash) |
| Explosive Limits: | LEL: No data. UEL: No data. |
| Specific Gravity (Water = 1): | 0.7934 - 0.8108 |
| Density: | 6.646 LB/GL |
| Vapor Pressure (vs. Air or mm Hg): | 76 MM HG at 68.0 F |
| Vapor Density (vs. Air = 1): | > 1 |
| Evaporation Rate: | > 1 |
| Solubility in Water: | No data. |
| Percent Volatile: | 100.0 % by weight. |
| VOC / Volume: | 793.0000 G/L |
| | 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 acids, reactive metals, halogens, strong inorganic acids, and aldehydes. |
| Hazardous Decomposition O Byproducts: | r 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 |
| Toxicological Information: | This product has not been tested as a whole. Refer to section 2 for acute and chronic effects. |
| Carcinogenicity/Other | IARC 1 - Carcinogenic to Humans |
| Information: | IARC 2B - Possibly Carcinogenic to Humans |
| | ACGIH A4 - Not Classifiable as a Human Carcinogen. |
| | IARC has determined that the consumption of alcoholic beverages is casually related to the occurrence of malignant tumors of the oral cavity, pharynx, larynx, esophagus, and liver in humans. The carcinogenic response attributed to drinking alcoholic beverages has not be verified in studies with laboratory animals. Established uses of denatured ethanol and non-beverage use of pure ethanol are not considered to pose any significant cancer hazard. |
| | |

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| CAS # | Hazardous Com | ponents (Chemica | al Name) | NTP | IARC | ACGIH | OSHA |
|--|--|--|---|--|---|---|--|
| 64-17-5 | Ethyl alcohol {Et | hanol} | | n.a. | 1 | A4 | n.a. |
| 67-56-1 | Methanol {Methy | l alcohol; Carbinol | ; Wood alcohol | } n.a. | n.a. | n.a. | n.a. |
| | | 12. ECO | LOGICAL | INFORMA | TION | | |
| General Eco Information: | - | This product has | s not been test | ted as a whole. | | | |
| | | 13. DISP | OSAL CO | NSIDERAT | IONS | | |
| Waste Dispo | osal Method: | Dispose in acco | rdance with ap | oplicable local, s | tate, and fede | ral regulation | S. |
| | | 14. TRA | NSPORT | INFORMA | TION | | |
| LAND TRAN | ISPORT (US DOT |): | | | | | |
| DOT Pro | oper Shipping Na | me: Alcohols, n.o | o.s. (Ethyl Alco | ohol, Methanol) | | | |
| | zard Class: | 3 | | BLE LIQUID | | | |
| UN/NA N | Number: | UN1987 | | Packing G | roup: | II | |
| Additional T | • | The shipper / su | •••••• | | • · | | |
| Information | | Consumer Com or others, as all Subchapter C to 15. REGU | modity, Limite lowed under 4 o ensure that s | d Quantity, Vis 9CFR Hazmat I subsequent ship INFORMA | cous Liquid, D Regulations. F ments comply | oes Not Sust Please consul | ain Combus t 49CFR |
| Information EPA SARA (S | : Superfund Amendm | Consumer Com or others, as all Subchapter C to 15. REGU | modity, Limite lowed under 4 o ensure that s ULATORY prization Act of | d Quantity, Vis 9CFR Hazmat I subsequent ship INFORMA | cous Liquid, D Regulations. F ments comply | oes Not Sust Please consul with these e | ain Combus t 49CFR |
| Information | : Superfund Amendm | Consumer Com or others, as all Subchapter C to 15. REGU nents and Reauthor ponents (Chemica | modity, Limite lowed under 4 o ensure that s ULATORY prization Act of | d Quantity, Vis 9CFR Hazmat I subsequent ship INFORMA 1986) Lists | cous Liquid, D Regulations. F ments comply | oes Not Sust Please consul with these e | ain Combus t 49CFR xceptions. |
| Information EPA SARA (S CAS # | Superfund Amendm Hazardous Com Ethyl alcohol {Et | Consumer Com or others, as all Subchapter C to 15. REGU nents and Reauthor ponents (Chemica | modity, Limite lowed under 4 o ensure that s ULATORY prization Act of al Name) | d Quantity, Vis 9CFR Hazmat I subsequent ship (INFORMA 1986) Lists S. 302 (EHS) | cous Liquid, D Regulations. F ments comply TION S. 304 RQ | oes Not Sust Please consul with these e S. 31 No | ain Combus t 49CFR xceptions. |
| Information EPA SARA (S CAS # 64-17-5 67-56-1 This materia 'Hazard Cate | Superfund Amendm Hazardous Com Ethyl alcohol {Et Methanol {Methy alcohol} al meets the EPA egories' defined tle III Sections | Consumer Com or others, as all Subchapter C to 15. REGU nents and Reauthor ponents (Chemica hanol} vl alcohol; Carbinol [X] Yes [] No | modity, Limite lowed under 4 o ensure that s ULATORY orization Act of al Name) ; Wood Acute (immed Chronic (dela Fire Hazard Sudden Rele | d Quantity, Vis 9CFR Hazmat I subsequent ship (INFORMA 1986) Lists S. 302 (EHS) No No diate) Health Ha ayed) Health Ha | cous Liquid, D Regulations. F ments comply TION S. 304 RQ No Yes 5000 Lf Izard zard | oes Not Sust Please consul with these e S. 31 No | ain Combus t 49CFR xceptions. |
| Information EPA SARA (S CAS # 64-17-5 67-56-1 This materia 'Hazard Cate for SARA Tit 311/312 as in | Superfund Amendm Hazardous Com Ethyl alcohol {Et Methanol {Methy alcohol} al meets the EPA egories' defined tle III Sections ndicated: | Consumer Com or others, as all Subchapter C to 15. REGU nents and Reauthor ponents (Chemica hanol} // alcohol; Carbinol [X] Yes [] No [X] Yes [] No [X] Yes [] No [X] Yes [] No [] Yes [X] No | imodity, Limite lowed under 4 o ensure that s ULATORY orization Act of al Name) ; Wood Acute (immed Chronic (dela Fire Hazard Sudden Rele Reactive Haz | d Quantity, Vis 9CFR Hazmat I subsequent ship (INFORMA 1986) Lists S. 302 (EHS) No No diate) Health Ha ayed) Health Ha | cous Liquid, D Regulations. F ments comply TION S. 304 RQ No Yes 5000 Lf izard zard zard | oes Not Sust Please consul with these e S. 31 No | ain Combus t 49CFR xceptions. |
| Information EPA SARA (S CAS # 64-17-5 67-56-1 This materia 'Hazard Cate for SARA Tit | Superfund Amendm Hazardous Com Ethyl alcohol {Et Methanol {Methy alcohol} al meets the EPA egories' defined tle III Sections ndicated: | Consumer Com or others, as all Subchapter C to 15. REGU nents and Reauthor ponents (Chemica hanol) // alcohol; Carbinol [X] Yes [] No [X] Yes [] No [X] Yes [] No [X] Yes [] No [] Yes [X] No [] Yes [X] No [] Yes [X] No | imodity, Limite lowed under 4 o ensure that s ULATORY orization Act of al Name) ; Wood Acute (immed Chronic (dela Fire Hazard Sudden Rele Reactive Haz | d Quantity, Vis 9CFR Hazmat I subsequent ship (INFORMA 1986) Lists S. 302 (EHS) No No diate) Health Ha ayed) Health Ha ase of Pressure zard | cous Liquid, D Regulations. F ments comply TION S. 304 RQ No Yes 5000 LF Izard zard Hazard Hazard r State Lists No; CWA NPD | oes Not Sust Please consul with these e S. 31 No 3 Yes | ain Combus t 49CFR xceptions. 3 (TRI) |

| Regulatory Information Statement: | All components of this material are listed on the TSCA Inventory or are exempt. |
|---|--|
| | 16. OTHER INFORMATION |
| Revision Date: | 04/13/2015 |
| Preparer Name: | W.M. Barr EHS Dept (901)775-0100 |
| Additional Information Abo This Product: | out 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. |