**KLEEN-STRIP DILODEPT KNIT DUFFY'S EL PICO PBO**

**MATERIAL SAFETY DATA SHEET**

**DATE PRINTED:** 2/05/2003

**MANUFACTURER NAME:** W.W. Barr & Company, Inc.

**ADDRESS:** 2150 Channel Ave. Memphis, TN 38119 USA

**EMERGENCY TELEPHONE #:** 501-773-0180

**EMERGENCY CONTACT:** W.W. Barr Technical Services

**INVENTORY ITEM #:** QMT-319

**PRODUCT NAME:** KLEEN-STRIP FIBERGLASS REMOVER

**REVISION DATE:** 8/31/2001

**W.W. Barr Technical Services**

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**SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION**

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**SUBSTANCE DESCRIPTION**

**PERCENT**

**CAS**

**NTP** **ACGIH** **OSHA** **IARC**

<table>
<thead>
<tr>
<th>Substance</th>
<th>30-35</th>
<th>100-280</th>
<th>N</th>
<th>N</th>
<th>N</th>
<th>N</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene</td>
<td>23-25</td>
<td>67-01-1</td>
<td>N</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>Acetone</td>
<td>23-25</td>
<td>75-05-2</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
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</tbody>
</table>

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**SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS**

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**CARCINOGENICITY**

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**EXPOSURE LIMITS/REGULATORY INFORMATION**

<table>
<thead>
<tr>
<th>Substance</th>
<th>RESIDENCY</th>
<th>TLV</th>
<th>STEL</th>
<th>CELN</th>
<th>SKIN</th>
<th>PEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toluene</td>
<td>ACGIH</td>
<td>PM</td>
<td>50.00</td>
<td>N/E</td>
<td>N/E</td>
<td>N/E</td>
</tr>
<tr>
<td>OSHA PPM</td>
<td>125.00</td>
<td>300.00</td>
<td>200.00</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA PEAK CONCENTRATION FOR 8 HR. SHIFT: 500 PPM FOR 10 MINUTES.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Acetone</td>
<td>ACGIH</td>
<td>PM</td>
<td>200.00</td>
<td>750.00</td>
<td>N/E</td>
<td>N/E</td>
</tr>
<tr>
<td>OSHA PPM</td>
<td>N/E</td>
<td>1000.00</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OSHA PEAK CONCENTRATION FOR 8 HR. SHIFT: 2000 PPM FOR 5 MIN. IN ANY 2 HRS.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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**Respiratory**

**Acetone**

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**Skin**

**Methanol**

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**Acetone**

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**Exposure Monitoring:**

- Employers are required to conduct initial monitoring of airborne methylene chloride.
- OSHA has established a time-weighted average (TWA) exposure limit of 200 ppm.
- Exposure monitoring for all tasks where employee exposures are above the TWA limit is required.
- Personal protective equipment (PPE) is recommended.
- Exposure limits are based on level and duration of exposure.

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**SECTION 3. HUMAN HEALTH EFFECTS**

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**Acute Exposure:**

- There are no known acute health effects from exposure to methylene chloride.

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**Chemical Property:**

- Methanol is a colorless, flammable liquid.
- It is used as a solvent and as a chemical intermediate.

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**NFPA RATING:**

- Health: 3
- Flammability: 1
- Reactivity: 0

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**NFPA EMERGENCY RESPONSE SUGGESTIONS:**

- Do not breathe vapors. Move victims to fresh air. Keep warm. For larger spills, evacuate area. Neutralize spill with a suitable reagent.

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**NFPA FIRE FIGHTING SUGGESTIONS:**

- Firefighters should wear self-contained breathing apparatus (SCBA). Use water spray to dilute vapor. Use dry chemical or alcohol-resistant foam to extinguish fire.

---

**NFPA TRANSPORTATION SUGGESTIONS:**

- Follow DOT regulations for hazardous materials.

---

**NFPA STORAGE SUGGESTIONS:**

- Store in a cool, dry place. Keep away from heat and flammables. Use explosion-proof equipment.

---

**NFPA TERMINAL SUGGESTIONS:**

- Use explosion-proof equipment. Keep away from heat and flames. Handle with care to avoid spills.

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**NFPA TERMINAL SUGGESTIONS:**

- Use explosion-proof equipment. Keep away from heat and flames. Handle with care to avoid spills.
ADDITIONAL REGULATORY INFO
The time weighted average (TWA) value described herein is a threshold limit value (TLV) as established by OSHA. The permissible exposure limit (PEL) is a value established by OSHA.

CALIFORNIA (PROPOSITION 65)
WARNING: Using this product will expose you to chemicals which are known to cause cancer and birth defects, or other reproductive harm.

SEC. 313 SUPPLIER NOTIFICATION
The following information must be included in all WDS that are copied and distributed for this material.

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40CFR 372):

<table>
<thead>
<tr>
<th>SUBSTANT</th>
<th>DESCRIPTION</th>
<th>PERCENT BY WEIGHT</th>
<th>CAS#</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOluene</td>
<td></td>
<td>50</td>
<td>108-88-3</td>
</tr>
<tr>
<td>Acetone</td>
<td></td>
<td>25</td>
<td>67-64-1</td>
</tr>
<tr>
<td>Methylene Chloride</td>
<td></td>
<td>25</td>
<td>75-09-2</td>
</tr>
<tr>
<td>MEK</td>
<td></td>
<td>25</td>
<td>67-60-1</td>
</tr>
</tbody>
</table>

CLEAN AIR ACT
This formula contains no known ozone depleting chemicals.

HUMAN COMMUNICATION STANDARD
This document is prepared in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200). This WDS contains thirteen (13) sections.

SECTION 4. HAZARDS IDENTIFICATION
INHALATION ACUTE EXPOSURE EFFECTS
Vapors harmful. May cause dizziness; headache; watering of eyes; irritation of respiratory tract: nausea; numbness in fingers, arms, and legs; hot flashes; loss of appetite; spitted vision; fatigue; dilatation of pupils; increase of carboxyhemoglobin levels, which can cause stress to the cardiovascular system; arm, leg and chest pains; depression of the central nervous system; visual disturbances; giddiness and intoxication; sleepiness; cough and dyspnea; cold, clammy extremities; diarrhea; vomiting; and hallucinations. Secure exposure may cause irregular or rapid heartbeat; convulsions; unconsciousness; coma; and death. Intestinal illness of this product by deliberate concentrating and inhaling can be harmful or fatal. Elevated carboxyhemoglobin levels can be additive to the increase caused by smoking and other carbon monoxide sources.

SKIN CONTACT ACUTE EXPOSURE EFFECTS
This product is a skin irritant. May be absorbed through the skin. May cause irritation; drying of skin; numbness in fingers and arms; weeping of skin; and dermatitis. May cause symptoms listed under inhalation.
EYE CONTACT ACUTE EXPOSURE EFFECTS
This material is an eye irritant. May cause irritation; burns; conjunctivitis of eyes; and corneal ulcerations of the eye. Vapors may irritate eyes.

INGESTION ACUTE EXPOSURE EFFECTS
POISON. DO NOT BE WISE. NON-POISONOUS. May be fatal or cause blindness. May cause dizziness; headache; nausea; vomiting; loss of coordination; stupor; irritation in mouth, throat and stomach; burning sensation in mouth, throat and stomach; gastrointestinal irritation; diarrhea; loss of appetite; depression of the central nervous system; nausea; liver, kidney and heart damage; coma; and death. May produce symptoms listed under inhalation. Liquid aspirated into lungs; during vomiting, may cause chemical pneumonia and systemic effects.

CHRONIC EXPOSURE EFFECTS
Reports have associated repeat and prolonged overexposure to solvents with neurological and other physiological damage. Prolonged or repeated contact may cause dermatitis. Prolonged skin contact may result in absorption of a harmful amount of this material. May cause conjunctivitis; gastric disturbances; insomnia; giddiness; dizziness; headache; weakness; fatigue; nausea; skin irritation; numbness in hands and feet; pancreatic damage; permanent central nervous system changes; decreased response to visual and auditory stimulation; some loss of memory; visual impairment or blindness; hallucinations; changes in blood; blood disorders; kidney and liver damage; heart palpitations; and death. May cause additional symptoms listed under inhalation.

MEDICAL CONDITIONS AGgravated
Diseases of the blood, skin, eyes, liver, kidneys, lungs, cardiovascular system and respiratory system; alcoholism; and rhabdomyolysis of the heart.

PRIMARY ROUTE OF EXPOSURE
Inhalation, ingestion, and dermal.

SECTION 5. FIRST AID MEASURES

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 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
Call your poison control center, hospital emergency room or physician immediately for instructions to induce vomiting.

NOTE TO PHYSICIAN
POISON. THIS PRODUCT CONTAINS METHANOL AND METHYLENE CHLORIDE. 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. Adrenalin should never be given to a person overexposed to methylene chloride. This formula is registered with POISONINDEX.
Call your local poison control center for further information.

SECTION 6. FIRE FIGHTING MEASURES

FLAMMABILITY
2 2

HEALTH
-covered

FLASH POINT
68.00 F

OTHER
G NA

FLAMMABILITY: Class III

GENERAL COMMENTS
EXTINGUISHING METHOD

Use carbon dioxide, dry powder, or foam.

FIRE PROTECTION PROCEDURE

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.

FIRE AND EXPLOSION HAZARDS

DANGER! FLAMMABLE. KEEP AWAY FROM HEAT, SPARKS, FLAME AND ALL OTHER SOURCES OF IGNITION. VAPORS MAY CAUSE FRESH FIRE OR EXPLODE EXCESSIVELY. VAPORS MAY TRAVEL LONG DISTANCES TO OTHER AREAS AND ROOMS PARTLY FROM WORK SITE. DO NOT SMOKE. EXTINGUISH ALL FLAMES AND Pilot lights, and turn off stoves, heaters, electric motors, and all other sources of ignition anywhere in the structure, dwelling or building during use and until all vapors are gone from the work site and all areas away from the work site. Keep away from electrical outlets and switchboxes. Beware of static electricity that may be generated by synthetic clothing and other sources.

SECTION 7. ACCIDENTAL RELEASE MEASURES

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. SMALL SPILLS: take up liquid 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.

For transportation related spills contact Chemtrec at 1-800-424-9300 for emergency assistance.
WASTE DISPOSAL
Diaper in accordance with applicable local, state and federal regulations.

STORAGE
Store in a cool, dry place. Exposure to high temperatures or prolonged exposure to sun may cause can to leak or swell. Once opened, remover should be used within six months or discarded to avoid can deterioration. Do not store near flames or at elevated temperatures.

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.

TRANSPORTATION
Per DOT Information, contact W.M. Barr Technical Services Department.

SECTION 7. ACCIDENTAL RELEASE MEASURES

VENTILATION PROTECTION
Use only with adequate ventilation to prevent build-up of vapors. Open all windows and doors. Use only in 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.

RESPIRATORY PROTECTION
For ISM controlled work place and other regular users - Use only with adequate ventilation under engineered air control systems designed to prevent exceeding appropriate TWA. For occasional use, where engineered air control is not feasible, use properly maintained and properly fitted NIOSH approved self-contained breathing apparatus for chlorinated solvents vapors. A dust mask does not provide protection against vapors.

SKIN PROTECTION
Wear impermeable gloves. Gloves contaminated with product should be discarded. Promptly remove clothing that becomes soiled with product.

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.

OTHER PROTECTION
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.
DATE PRINTED: 2/06/2003

MARY WILLIAM

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MRS NO. 107/P-6

KLEEN-STRIP GILLESPIE KNIT DUFFY'S EL PICO P&O

MATERIAL SAFETY DATA SHEET

VOLATILE % 50,000

by weight

BOILING POINT 21 129.00 F

40.00 C BOILING RANGE: 104 F - 220 F

VAPOR DENSITY (Air = 1.0)

Heavier than air

EVAPORATION RATE Slower than other

BULK DENSITY 7.410

lbs/gal at 70 F

PH FACTOR N/E

PHOTOCHEMICALLY REACTIVE YES

WATER 7.0.0.

in grams per liter (excluding exempt solvents & water)

WATER VAPOR PRESSURE

(If the V.O.C.) 100 mm Hg at 20 degrees C

SECTION 11. PHYSICAL AND CHEMICAL PROPERTIES

INCOMPATIBILITIES

Incompatible with strong oxidizing agents; strong caustics; strong alkalis; oxygen; nitroglycerin; peroxide; chemically active metals such as aluminum or magnesium; sodium; potassium; and nitric acid.

DECOMPOSITION

Thermal decomposition may produce hydrogen chloride; chlorine gas; small quantities of phosphorus; carbon monoxide; carbon dioxide; formaldehyde; and unidentified organic compounds in black smoke.

POLYMERIZATION

Will not occur.

STABILITY

Stable.

SECTION 12. STABILITY AND REACTIVITY

IMPORTANT NOTE

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 determinations 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.

LEGEND:

PPM = parts per million
KLEAN-STRIP  GILLESPIE  KWIK  DUFFY'S  EL PECO  P&D

MATERIAL SAFETY DATA SHEET

DATE PRINTED:  2/06/2003
Mary Williams

WSDS NO. 107P.5

-- SECTON 10. ADDITIONAL INFORMATION (CONTINUED)--

MG/L = milligrams per liter
M.C. or M.C. = none established
GT = greater than
N.A. or NA = not applicable
TTC = that closed cup
TTO = that open cup
PWCC = Panek-Wurtens closed cup
IDLH = Immediately Dangerous to Life and Health

**END OF WSDS**