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KLEAN-STRIP GILLESPIE KWIK DUFFY'S EL PICO P&D

488330

MATERIAL SAFETY DATA SHEET

DATE PRINTED: 1/12/1998  
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MSDS NO. 1607

SECTION 1. CHEMICAL PRODUCT AND COMPANY INFORMATION

MANUFACTURERS NAME  
W.M. BARR & COMPANY, INC.

ADDRESS  
2105 Channel Ave.  
Memphis, TN 38113 USA

EMERGENCY TELEPHONE #1  
901-775-0100

EMERGENCY CONTACT  
W.M. Barr Technical Services

EMERGENCY INFORMATION

See Section 5 for additional Emergency Information

INVENTORY ITEM #  
GLW202

CHEMICAL FORMULA  
1607

PRODUCT NAME  
KLEAN-STRIP GEN PURP LACQ THNR

REVISED BY  
W.M. Barr Technical Services

REVISION DATE  
10/14/1993

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

CARCINOGENICITY

SUBSTANCE DESCRIPTION	PERCENT	CAS#	NTP	ACGIH	OSHA	IARC
TOLUENE	45- 50	108-88-3	N	N	N	N
ALIPHATIC PETROLEUM DISTILLATE	15- 20	N/A	N	N	N	N
** ABOVE INGREDIENT CONSISTS OF THE FOLLOWING **						
ALIPHATIC PETROLEUM DISTILL.	50- 55	64742-89-8	N	N	N	N
N-HEPTANE	20- 25	142-82-5	N	N	N	N
METHYLCYCLOHEXANE	10- 15	108-87-2	N	N	N	N
TOLUENE	5- 10	108-88-3	N	N	N	N
CYCLOHEXANE	1- 5	110-82-7	N	N	N	N
C6-C8 PARAFFINS AND CYCLOPARAF FINS	1- 5	N/A	N	N	N	N
ACETONE	10- 15	67-64-1	N	N	N	N
METHYL ETHYL KETONE	10- 15	78-93-3	N	N	N	N
METHANOL	15- 20	67-56-1	N	N	N	N

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SECTION 3. REGULATORY INFORMATION

EXPOSURE LIMITS/REGULATORY INFORMATION

SUBSTANCE DESCRIPTION	REG.AGCY	U/M	TWA	STEL	CEIL	SKIN	PEL
TOLUENE	ACGIH OSHA	PPM PPM	50.00 N/E	N/E 150.00	N/E 300.00	Y N	N/E 200.00
OSHA PEAK CONCENTRATION FOR 8 HR. SHIFT: 500 PPM FOR 10 MINUTES.							
ALIPHATIC PETROLEUM DISTILLATE	ACGIH OSHA	PPM PPM	N/E N/E	N/E N/E	N/E N/E	N N	N/E N/E
OSHA PEL AS PROVIDED BY SUPPLIER.							
ALIPHATIC PETROLEUM DISTILL.	ACGIH OSHA	PPM PPM	N/E N/E	N/E N/E	N/E N/E	N N	N/E 400.00
OSHA PEL AS RECOMMENDED BY SUPPLIER. NIOSH RECOMMENDS A LIMIT OF 350 MG/M3 TWA AND 1800 MG/M3 AS DETERMINED BY A 15 MINUTE SAMPLE.							
N-HEPTANE	ACGIH OSHA	PPM PPM	400.00 N/E	500.00 500.00	N/E N/E	N N	N/E 500.00

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SECTION 3. REGULATORY INFORMATION  
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METHYLCYCLOHEXANE	ACGIH OSHA	PPM PPM	400.00 400.00	N/E N/E	N/E N/E	N N	N/E N/E
CYCLOHEXANE	ACGIH OSHA	PPM PPM	300.00 300.00	N/E N/E	N/E N/E	N N	N/E 300.00
C6-C8 PARAFFINS AND CYCLOPARAF FINS	ACGIH OSHA	PPM PPM	N/E N/E	N/E N/E	N/E N/E	N N	N/E N/E
ACETONE	ACGIH OSHA	PPM PPM	750.00 N/E	1000.00 1000.00	N/E N/E	N N	N/E 1000.00
METHYL ETHYL KETONE	ACGIH OSHA	PPM PPM	200.00 200.00	300.00 300.00	N/E N/E	N N	N/E 200.00
METHANOL	ACGIH OSHA	PPM PPM	200.00 200.00	250.00 250.00	N/E N/E	Y Y	N/E 200.00

ADDITIONAL REGULATORY INFO

The time weighted average (TWA) value described herein is a threshold limit value (TLV) as established by ACGIH. The permissible exposure limit (PEL) is a value established by OSHA.

CALIFORNIA (PROPOSITION #65)

WARNING: Using this product will expose you to Toluene, which is known to cause birth defects or other reproductive harm.

SEC. 313 SUPPLIER NOTIFICATION

The following information must be included in all MSDS 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):

SUBSTANCE DESCRIPTION	PERCENT BY WEIGHT (UPPER LIMIT)	CAS#
TOLUENE	52	108-88-3
CYCLOHEXANE	1	110-82-7
ACETONE	15	67-64-1
METHYL ETHYL KETONE	15	78-93-3
METHANOL	20	67-56-1

CLEAN AIR ACT

This formula contains no known ozone depleting chemicals.

HAZARD COMMUNICATION STANDARD

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

\*\*\*\*\*  
The following effects and/or symptoms are not expected to be experienced by persons who use this product properly and according to ALL instructions, precautions, and warnings; however, should the product user experience ANY questionable effects or symptoms, the product user should immediately seek medical attention.

SECTION 4. HAZARDS IDENTIFICATION

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SECTION 4. HAZARDS IDENTIFICATION  
(CONTINUED)

**INHALATION ACUTE EXPOSURE EFFECTS**

May cause dizziness; headache; nausea; irritation of the respiratory tract; numbness in fingers, arms and legs; fatigue; loss of appetite; hallucinations; dilation of pupils; spotted vision; depression of the central nervous system; vomiting; visual disturbances; giddiness and intoxication; sleepiness; cough and dyspnea; cold, clammy extremities; diarrhea; convulsions; unconsciousness; coma; and death.

**SKIN CONTACT ACUTE EXPOSURE EFFECTS**

Liquid is absorbed readily through the skin. Absorption may increase severity of symptoms listed under inhalation. May cause irritation; drying of skin; numbness of fingers and arms; and dermatitis.

**EYE CONTACT ACUTE EXPOSURE EFFECTS**

May cause irritation, burns, conjunctivitis of eyes, and corneal damage. Vapors may irritate eyes.

**INGESTION ACUTE EXPOSURE EFFECTS**

**POISON. CANNOT BE MADE NON-POISONOUS.** May cause dizziness; burning sensation in mouth, throat, and stomach; headache; narcosis; depression of the central nervous system; vomiting; nausea; loss of appetite; loss of coordination; stupor; damage to liver, heart and kidneys; blindness; coma; and death. May also increase severity of symptoms listed under inhalation.

**CHRONIC EXPOSURE EFFECTS**

Prolonged skin contact may result in absorption of a harmful amount of this material. May cause headaches; visual impairment or blindness; weakness; fatigue; numbness in hands and feet; central nervous system damage; pancreatic damage; conjunctivitis; gastric disturbances; giddiness; insomnia; and death. May cause additional symptoms listed under inhalation.

**MEDICAL CONDITIONS AGGRAVATED**

Diseases of the skin, eyes, liver, kidneys, central nervous system and respiratory system.

**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.** 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.

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SECTION 5. FIRST AID MEASURES  
(CONTINUED)

Ethanol competes for the same metabolic pathway and has been used as an antidote. Methanol is effectively removed by hemodialysis. This formula is registered with POISINDEX. Call your local poison control center for further information.

SECTION 6. FIRE FIGHTING MEASURES

HAZARD RATING SOURCE	HMIS	NFPA
HEALTH	2	2
FLAMMABILITY	3	3
REACTIVITY	0	0
OTHER	6	NA

FLASH METHOD  
Seta

FLASH POINT  
14.00 F 10.00- C

LOWER EXPLOSION LIMIT  
1.00

GENERAL COMMENTS  
OSHA FLAMMABILITY: Class IB

EXTINGUISHING METHOD  
Use carbon dioxide, dry powder, or foam.

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.

FIRE AND EXPLOSION HAZARDS  
DANGER! EXTREMELY FLAMMABLE. KEEP AWAY FROM HEAT, SPARKS, FLAME AND ALL OTHER SOURCES OF IGNITION. VAPORS MAY CAUSE FLASH FIRE OR IGNITE EXPLOSIVELY.  
Do not smoke. Extinguish all flames and pilot lights, and turn off stoves, heaters, electric motors and all other sources of ignition during use and until all vapors are gone. 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.

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SECTION 7. ACCIDENTAL RELEASE MEASURES  
(CONTINUED)

WASTE DISPOSAL

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

SECTION 8. HANDLING AND STORAGE

STORAGE

Keep container tightly closed when not in use. Store in a cool, dry place. 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.

SECTION 9. TRANSPORT INFORMATION

TRANSPORTATION

For D.O.T. information, contact W.M. Barr Technical Services Department.

SECTION 10. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION PROTECTION

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

RESPIRATORY PROTECTION

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.

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.

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SECTION 11. PHYSICAL AND CHEMICAL PROPERTIES

VOLATILE %  
100.000  
by weight

BOILING POINT  
GT 110.00 F 43.33 C BOILING RANGE: 110 F - 176 F

VAPOR DENSITY (Air = 1.0)  
Heavier than air

EVAPORATION RATE  
Slower than ether

BULK DENSITY  
6.791  
lbs/gal at 75 F

PHOTOCHEMICALLY REACTIVE  
YES

MAX V.O.C.  
815 grams per liter (excluding exempt solvents & water)

MAX VAPOR PRESSURE  
(of the V.O.C.) 82 mm Hg at 20 degrees C

SECTION 12. STABILITY AND REACTIVITY

INCOMPATIBILITIES

Incompatible with strong oxidizing agents, nitric acid, and hydrogen peroxide.

DECOMPOSITION

Decomposition may produce carbon monoxide; carbon dioxide; formaldehyde; and unidentified organic compounds in black smoke.

POLYMERIZATION

Will not occur.

STABILITY

Stable.

SECTION 13. ADDITIONAL INFORMATION

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 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.

LEGEND:

- PPM = parts per million
- MG/M3 = milligrams per cubic meter
- N/E or NE = none established
- GT = greater than
- N/A or NA = not applicable
- TCC = tag closed cup
- TOC = tag open cup
- PMCC = Pensky-Martens closed cup

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SECTION 13. ADDITIONAL INFORMATION  
(CONTINUED)

IDLH = Immediately Dangerous to Life and Health

\*\*\*END OF MSDS\*\*\*