

KLEAN-STRIP GILLESPIE KWIK DUFFY'S EL PICO P&D
 MATERIAL SAFETY DATA SHEET

AUG 02 1993

DATE PRINTED: 00000000 UNIVERSITY OF WISCONSIN

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 MSDS NO. 1601

SECTION 1. MANUFACTURERS INFORMATION

MANUFACTURERS NAME: W.M. BARR & COMPANY, INC.
 ADDRESS: 2105 Channel Ave. Memphis, TN 38113
 EMERGENCY TELEPHONE: 901-775-0100
 EMERGENCY CONTACT: W. M. BARR Technical Services

See Section 6 for additional Emergency Information

REVISED BY: W. M. BARR MSDS Committee 2/15/1993

SECTION 2. PRODUCT INFORMATION

INVENTORY ITEM #: GLT27 CHEMICAL FORMULA: 1601
 PRODUCT NAME: LACQUER THINNER KLEAN STRIP

SECTION 3. INGREDIENTS/REGULATORY INFORMATION

INGREDIENT DESCRIPTION	PERCENT BY WEIGHT		CAS#	CARCINOGENICITY			
				NTP	ACGIH	OSHA	IARC
TOLUENE	75-	80	108-88-3	N	N	N	N
ISOPROPANOL	10-	15	67-63-0	N	N	N	N
METHYL ISOBUTYL KETONE	5-	10	108-10-1	N	N	N	N
ACETONE	1-	5	67-64-1	N	N	N	N
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE	1-	5	108-65-6	N	N	N	N
ETHYL ACETATE	1-	5	141-78-6	N	N	N	N

EXPOSURE LIMITS/REGULATORY INFORMATION

INGREDIENT DESCRIPTION	REG.						
	AGCY.	U/M	TWA	STEL	CEIL	SKIN	PEL
TOLUENE	ACGIH	PPM	50.0	N/E	N/E	Y	N/E
	OSHA	PPM	200.0	150.0	300.0	N	N/E
OSHA PEAK CONCENTRATION FOR 8 HR. SHIFT: 500 PPM FOR 10 MINUTES.							
ISOPROPANOL	ACGIH	PPM	400.0	500.0	N/E	N	N/E
	OSHA	PPM	400.0	500.0	N/E	N	400.0
METHYL ISOBUTYL KETONE	ACGIH	PPM	50.0	75.0	N/E	N	N/E
	OSHA	PPM	50.0	75.0	N/E	N	100.0
ACETONE	ACGIH	PPM	750.0	1000.0	N/E	N	N/E
	OSHA	PPM	750.0	1000.0	N/E	N	1000.0
PROPYLENE GLYCOL MONOMETHYL ETHER ACETATE	ACGIH	PPM	N/E	N/E	N/E	N	N/E
	OSHA	PPM	N/E	N/E	N/E	N	N/E
ETHYL ACETATE	ACGIH	PPM	400.0	N/E	N/E	N	N/E
	OSHA	PPM	400.0	N/E	N/E	N	400.0

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

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SECTION 4. OTHER REGULATORY INFORMATION
-----**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):

INGREDIENT DESCRIPTION	PERCENT BY WEIGHT (UPPER LIMIT)	CAS#
METHYL ISOBUTYL KETONE	10	108-10-1
ACETONE	5	67-64-1
TOLUENE	80	108-88-3

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.

SECTION 5. HAZARDS IDENTIFICATION
-----**INHALATION ACUTE EXPOSURE EFFECTS**

Vapor harmful. May cause dizziness, headache, watering of eyes, irritation of respiratory tract, irritation to the eyes, drowsiness, nausea, numbness in fingers, arms and legs, depression of central nervous system, loss of appetite, fatigue, hallucinations, and weakness. Severe overexposure may cause irregular heartbeat, unconsciousness, coma, and death. Intentional misuse of this product by deliberately concentrating and inhaling can be harmful or fatal.

SKIN CONTACT ACUTE EXPOSURE EFFECTS

May cause irritation, numbness in fingers and arms, and dermatitis. May cause increased severity of symptoms listed under inhalation. Liquid is absorbed readily through the skin.

EYE CONTACT ACUTE EXPOSURE EFFECTS

This material is an eye irritant.

INGESTION ACUTE EXPOSURE EFFECTS

Harmful or fatal if swallowed. May cause headache, nausea, vomiting, burning sensation in mouth, throat and stomach, loss of coordination, gastrointestinal irritation, loss of appetite, diarrhea, reddening of face and/or neck, pulmonary edema, unconsciousness, coma, and death. May produce fluid in lungs.

CHRONIC EXPOSURE EFFECTS

Reports have associated repeated and prolonged overexposure to solvents with neurological and other physiological damage. Prolonged or repeated contact may cause dermatitis. May cause weakness, fatigue, numbness in hands and feet, heart palpitations, headache, nausea, dizziness, loss of memory, liver damage, kidney damage, permanent central nervous system changes, and irritation to skin.

MEDICAL CONDITIONS AGGRAVATED

Diseases of the skin, liver, and kidneys.

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SECTION 5. HAZARDS IDENTIFICATION
(CONTINUED)
-----PRIMARY ROUTE OF EXPOSURE
Inhalation, ingestion, and dermal.-----
SECTION 6. 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 water.

EYE CONTACT

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

INGESTION

DO NOT induce vomiting. Call your poison control center, hospital emergency room, or physician immediately.

NOTE TO PHYSICIAN

This formula is registered with POISINDEX.
Call your local poison control center for further information.-----
SECTION 7. FIRE FIGHTING MEASURES

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

FLASH METHOD
TOCFLASH POINT
45.00 F 7.22 CLOWER 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! FLAMMABLE. KEEP AWAY FROM HEAT, SPARKS, FLAME, AND ALL OTHER SOURCES OF IGNITION. 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.

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SECTION 8. 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

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

SECTION 9. HANDLING/STORAGE/TRANSPORTATION
-----**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.

TRANSPORTATION

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

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SECTION 10. EXPOSURE CONTROLS/PERSONAL PROTECTION
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protective equipment that cannot be decontaminated, such as gloves or shoes.

SECTION 11. PHYSICAL AND CHEMICAL PROPERTIES

VOLATILE % 100.000 by weight	BOILING POINT GT 133.0 F 56.11 C BOILING RANGE: 133 F - 243 F
VAPOR DENSITY (Air = 1.0) Heavier than air	EVAPORATION RATE Slower than ether
BULK DENSITY 7.062 lbs/gal at 75 F	PHOTOCHEMICALLY REACTIVE NO

MAX V.O.C.

848 grams per liter (excluding exempt solvents & water)

MAX VAPOR PRESSURE

(of the V.O.C.) 37mm Hg at 20 degrees C

SECTION 12. STABILITY AND REACTIVITY

INCOMPATIBILITIES

Incompatible with strong oxidizing agents, strong caustics, hydrogen peroxide, and nitrates.

DECOMPOSITION

Decomposition may produce carbon monoxide and carbon dioxide.

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

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SECTION 13. ADDITIONAL INFORMATION
(CONTINUED)

PMCC = Pensky-Martens closed cup

END OF MSDS