

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

DATE PRINTED: 1/27/2004
~~8/28/99~~

PAGE NO. 1645¹
MSDS

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
901-778-0100

EMERGENCY CONTACT
W.M. Barr Technical Services

EMERGENCY INFORMATION
24 HOUR MEDICAL EMERGENCY #, 800 451-8346.
SEE SECTION 5 FOR ADDITIONAL EMERGENCY INFORMATION

INVENTORY ITEM #
CA19085

CHEMICAL FORMULA
1645

PRODUCT NAME
AC TOLUOL 1 GL

REVISED BY
W.M. Barr Technical Services

REVISION DATE
7/30/2003

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE DESCRIPTION	PERCENT	CAS#	CARCINOGENICITY			
			NTP	ACGIH	OSHA	IARC
TOLUENE	95-100	108-88-3	N	N	N	N

SECTION 3. REGULATORY INFORMATION

SUBSTANCE DESCRIPTION	REG.AGCY U/M		TWA	STEL	CEIL	SKIN	PEL
	ACGIH OSHA	PPM PPM					
TOLUENE			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.

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	100	108-88-3

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SECTION 3. REGULATORY INFORMATION
(CONTINUED)

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

INHALATION ACUTE EXPOSURE EFFECTS

Vapor harmful. May cause dizziness, headache, watering of eyes, nausea, depression of central nervous system, loss of appetite, fatigue, and hallucinations. Severe overexposure may cause coma, anesthesia and irregular heartbeat, 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. May cause symptoms listed under inhalation. May be absorbed 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 and stomach, loss of coordination, gastrointestinal irritation, diarrhea, loss of appetite, and coma.

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 dizziness, headache, nausea, skin irritation, heart palpitations, permanent central nervous system changes, some loss of memory, kidney damage, and liver damage.

MEDICAL CONDITIONS AGGRAVATED

Diseases of the skin, liver, and kidneys.

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 water.

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SECTION 5. FIRST AID MEASURES
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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 6. FIRE FIGHTING MEASURES

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

FLASH METHOD
TCC

FLASH POINT
40.00 F 4.44 C

LOWER EXPLOSION LIMIT
1.00

GENERAL COMMENTS
OSHA FLAMMABILITY: Class IC

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.

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 flames, 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.

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SECTION 7. ACCIDENTAL RELEASE MEASURES
(CONTINUED)

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 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

DOMESTIC: TOLUENE, 3, UN1294, PGII

IMDG: TOLUENE, 3, UN1294, PGII, FLASHPOINT 41-45F (5-7.22C) TCC
EMS 3-07

IATA: Toluene, 3, UN1294, PGII, Flashpoint 41-45F (5-7.22C) TCC
ERG Code 3L

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

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SECTION 10. EXPOSURE CONTROLS/PERSONAL PROTECTION
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or shoes.

SECTION 11. PHYSICAL AND CHEMICAL PROPERTIES

VOLATILE %
100.000
by weight

BOILING POINT
GT 230.00 F 110.00 C BOILING RANGE: 230 F - 233 F

VAPOR DENSITY (Air = 1.0)
Heavier than air

EVAPORATION RATE
Slower than ether

BULK DENSITY
7.189
lbs/gal at 75 F

pH FACTOR
N/E

PHOTOCHEMICALLY REACTIVE
YES

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

MAX VAPOR PRESSURE
(of the V.O.C.) 22mm Hg at 20 degrees C

SECTION 12. STABILITY AND REACTIVITY

INCOMPATIBILITIES
Incompatible with strong oxidizing agents.

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

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SECTION 13. ADDITIONAL INFORMATION
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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
IDLH = Immediately Dangerous to Life and Health

END OF MSDS