

MATERIAL SAFETY DATA SHEET

DATE PRINTED: 3/15/2000
11861200 00000001 HMS WAREHOUSING GROUP

PAGE 1
MSDS NO. 1700

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 #
GSW362

CHEMICAL FORMULA
1700

PRODUCT NAME
KLEAN-STRIP PREP-ALL

REVISED BY
W.M. Barr Technical Services

REVISION DATE
10/14/1993

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE DESCRIPTION	PERCENT	CAS#	CARCINOGENICITY			
			NTP	ACGIH	OSHA	IARC
ALIPHATIC PETROLEUM DISTILLATE	50- 55	N/A	N	N	N	N
** ABOVE INGREDIENT CONSISTS OF THE FOLLOWING **						
STODDARD SOLVENT	95-100	8052-41-3	N	N	N	N
ALIPHATIC PETROLEUM DISTILLATE	30- 35	64742-89-8	N	N	N	N
** ABOVE INGREDIENT CONSISTS OF THE FOLLOWING **						
VM&P NAPHTHA	95-100	8032-32-4	N	N	N	N
ALIPHATIC PETROLEUM DISTILLATE	10- 15	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
MINERAL SPIRITS	1- 5	N/A	N	N	N	N
** ABOVE INGREDIENT CONSISTS OF THE FOLLOWING **						
STODDARD SOLVENT, TYPE I	95-100	8052-41-3	N	N	N	N

SECTION 3. REGULATORY INFORMATION

EXPOSURE LIMITS/REGULATORY INFORMATION

SUBSTANCE DESCRIPTION	REG. AGCY U/M		TWA	STEL	CEIL	SKIN	PEL
	ACGIH	OSHA					
ALIPHATIC PETROLEUM DISTILLATE	ACGIH	PPM	100.00	N/E	N/E	N	N/E
	OSHA	PPM	100.00	N/E	N/E	N	500.00
STODDARD SOLVENT	ACGIH	PPM	100.00	N/E	N/E	N	N/E
	OSHA	PPM	100.00	N/E	N/E	N	500.00
ALIPHATIC PETROLEUM DISTILLATE	ACGIH	PPM	N/E	N/E	N/E	N	N/E
	OSHA	PPM	N/E	N/E	N/E	N	N/E
VM&P NAPHTHA	ACGIH	PPM	300.00	N/E	N/E	N	N/E
	OSHA	PPM	300.00	400.00	N/E	N	N/E
ALIPHATIC PETROLEUM DISTILLATE	ACGIH	PPM	N/E	N/E	N/E	N	N/E
	OSHA	PPM	N/E	N/E	N/E	N	N/E

OSHA PEL AS PROVIDED BY SUPPLIER.

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SECTION 3. REGULATORY INFORMATION
 (CONTINUED)

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
METHYLCYCLOHEXANE	ACGIH OSHA	PPM PPM	400.00 400.00	N/E N/E	N/E N/E	N N	N/E N/E
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.

MINERAL SPIRITS	ACGIH OSHA	PPM PPM	N/E N/E	N/E N/E	N/E N/E	N N	N/E N/E
EXXON RECOMMENDS AN OCCUPATIONAL EXPOSURE LIMIT OF 100 PPM TOTAL HYDROCARBON BASED ON COMPOSITION.							
STODDARD SOLVENT, TYPE I	ACGIH OSHA	PPM PPM	100.00 100.00	N/E N/E	N/E N/E	N N	N/E 500.00

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	2	108-88-3
CYCLOHEXANE	1	110-82-7
1,2,4-TRIMETHYLBENZENE	1	95-63-6

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.

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SECTION 4. HAZARDS IDENTIFICATION

INHALATION ACUTE EXPOSURE EFFECTS

Vapor harmful. May cause dizziness, headache, nausea, watering of the eyes, eye irritation, weakness, muscle twitches, light head, loss of appetite, loss of energy, hallucinations, and drowsiness. Intentional misuse of this product by deliberately concentrating and inhaling can be harmful or fatal. Severe overexposure may cause irritation of the respiratory tract, depression of the central nervous system, convulsions, unconsciousness, coma, and death.

SKIN CONTACT ACUTE EXPOSURE EFFECTS

May cause irritation and drying of the skin. Absorption may cause or increase severity of symptoms listed under inhalation.

EYE CONTACT ACUTE EXPOSURE EFFECTS

This material is an eye irritant.

INGESTION ACUTE EXPOSURE EFFECTS

Harmful or fatal if swallowed. May cause nausea, weakness, muscle twitches, gastrointestinal irritation, burning sensation in mouth and stomach, headache, loss of appetite, vomiting, loss of coordination, convulsions, unconsciousness, coma, and death.

CHRONIC EXPOSURE EFFECTS

Reports have associated repeated and prolonged overexposure to solvents with neurological and other physiological damage. May cause jaundice, bone marrow damage, liver damage, anemia, nausea, skin irritation, headache, dizziness, some loss of memory, heart palpitations, and kidney 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.

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	NFPA
HEALTH	2	1
FLAMMABILITY	3	3
REACTIVITY	0	0
OTHER	G	NA

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

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SECTION 6. FIRE FIGHTING MEASURES
(CONTINUED)
-----**FLASH METHOD**

Seta

FLASH POINT

56.00 F 13.33 C

LOWER EXPLOSION LIMIT

0.9

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.

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

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.

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

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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.

SECTION 11. PHYSICAL AND CHEMICAL PROPERTIES

VOLATILE %

100.000
by weight

BOILING POINT

GT 195.00 F 90.55 C BOILING RANGE: 195 F - 395 F

VAPOR DENSITY (Air = 1.0)

Heavier than air

EVAPORATION RATE

Slower than ether

BULK DENSITY

6.310
lbs/gal at 75 F

PHOTOCHEMICALLY REACTIVE

NO

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SECTION 11. PHYSICAL AND CHEMICAL PROPERTIES
(CONTINUED)

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

MAX VAPOR PRESSURE
(of the V.O.C.) 17mm 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
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