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

MATERIAL SAFETY DATA SHEET

DATE PRINTED: 00000000 UNIVERSITY OF WISCONSIN PAGE 1
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

PERCENT BY WEIGHT

INGREDIENT DESCRIPTION | CAS# | NTP | ACGIH | OSHA | IARC
---|---|---|---|---|---
TOLUENE | 108-88-3 | N | N | N | N
ISOPROPANOL | 67-63-0 | N | N | N | N
METHYL ISOBUTYL KETONE | 108-10-1 | N | N | N | N
ACETONE | 67-64-1 | N | N | N | N
PROPYLENE GLYCOL MONOMETHYL ETHER | 108-65-6 | N | N | N | N
ETHYL ACETATE | 141-78-6 | N | N | N | N

EXPOSURE LIMITS/REGULATORY INFORMATION

REG.

INGREDIENT DESCRIPTION | ACGIH | OSHA | TWA | STEL | CEIL | SKIN
---|---|---|---|---|---|---
TOLUENE | PPM 50.0 | N/E | N/E | N | Y | N/E
OSHA | PPM 200.0 | 150.0 | 300.0 | N | N/E | N/E

OSHA PEAK CONCENTRATION FOR 8 HR. SHIFT: 500 PPM FOR 10 MINUTES.

ISOPROPANOL | PPM 400.0 | 500.0 | N/E | N | N | N/E
OSHA | PPM 400.0 | 500.0 | N/E | N | 400.0 |

METHYL ISOBUTYL KETONE | PPM 50.0 | 75.0 | N/E | N | N | 400.0
OSHA | PPM 50.0 | 75.0 | N/E | N | 100.0 |

ACETONE | PPM 750.0 | 1000.0 | N/E | N | N | 1000.0
OSHA | PPM 750.0 | 1000.0 | N/E | N | N | 1000.0

PROPYLENE GLYCOL MONOMETHYL ETHER | PPM N/E | N/E | N/E | N/E | N/E | N/E
OSHA | PPM N/E | N/E | N/E | N/E | N/E | N/E

ETHYL ACETATE | PPM 400.0 | N/E | N/E | N/E | N/E | N/E
OSHA | PPM 400.0 | N/E | N/E | N/E | N/E | 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.
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):

<table>
<thead>
<tr>
<th>INGREDIENT DESCRIPTION</th>
<th>PERCENT BY WEIGHT (UPPER LIMIT)</th>
<th>CAS#</th>
</tr>
</thead>
<tbody>
<tr>
<td>METHYL ISOBUTYL KETONE</td>
<td>10</td>
<td>108-10-1</td>
</tr>
<tr>
<td>ACETONE</td>
<td>5</td>
<td>67-64-1</td>
</tr>
<tr>
<td>TOLUENE</td>
<td>80</td>
<td>108-88-3</td>
</tr>
</tbody>
</table>

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.
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  NPPA

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

FLASH METHOD
TOC

FLASH POINT
45.00 °F  7.22 °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! 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 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
SECTION 10. EXPOSURE CONTROLS/PERSOAL PROTECTION
(CONTINUED)

Protective equipment that cannot be decontaminated, such as gloves or shoes.

SECTION 11. PHYSICAL AND CHEMICAL PROPERTIES

VOLATILE % by weight

100.000

BOILING POINT

GT 133.0 F 56.11 C

BOILING RANGE: 133 F - 243 F

VAPOR DENSITY (Air = 1.0)

Heavier than air

Slower than ether

BULK DENSITY

7.062

PHOTOCHEMICALLY REACTIVE

NO

lbs/gal at 75 F

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
PMCC = Pensky-Martens closed cup

***END OF MSDS***