

RANDOLPH PRODUCTS CO -- 489G-A17043, 17043 GOLD A/D ENAMEL TT-E-489 CL A (SUPDAT) --
8010-00-938-7724

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===== Product Identification =====

Product ID:489G-A17043, 17043 GOLD A/D ENAMEL TT-E-489 CL A (SUPDAT)

MSDS Date:01/02/1998

FSC:8010

NIIN:00-938-7724

Status Code:A

MSDS Number: CJNMV

=== Responsible Party ===

Company Name:RANDOLPH PRODUCTS CO

Address:701 12TH ST

Box:830

City:CARLSTADT

State:NJ

ZI

P:07072-0830

Country:US

Info Phone Num:201-438-3700

Emergency Phone Num:800-255-3924

Preparer's Name:JHR

CAGE:77672

=== Contractor Identification ===

Company Name:RANDOLPH PRODUCTS CO

Address:701 12TH ST

Box:830

City:CARLSTADT

State:NJ

ZIP:07072-0830

Country:US

Phone:201-438-3700

CAGE:77672

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===== Composition/Information on Ingredients =====

Ingred Name:TOLUENE VP: 22 MMHG @ 20C

CAS:108-88-3

RTECS #:XS5250000

< Wt:10.

OSHA PEL:see Table Z-2

ACGIH TLV:188 MG/M3;50 PPM

EPA R

pt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:NAPHTHA, SOLVENT; (ALIPHATIC NAPHTHA) VP: 10 MMHG @ 20C
CAS:8052-41-3
RTECS #:WJ8925000
< Wt:40.
OSHA PEL:2900 MG/M3;500 PPM
ACGIH TLV:525 MG/M3;100 PPM

Ingred Name:XYLENE VP: 10 MMHG @ 20C
CAS:1330-20-7
RTECS #:ZE2100000
< Wt:5.
ACGIH TLV:434 MG/M3;100 PPM
ACGIH STEL:651 MG/M3;150 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES
Ingestion:NO

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:TOLUENE APPEARS ON THE NAVY LIST OF
OCCUPATIONAL CHEMICAL REPRODUCTIVE HAZARDS. SEEK CONSULTATION FROM
APPROPRIATE HEALTH PROFESSIONALS CONCERNING LATEST HAZARD LIST INFO
AND SAFE HANDLING AND EXPOSUR E INFO . EFFECTS OF
OVEREXPOSURE:CHRONIC HEALTH EFFECTS ARE POSSIBLE FROM LONG TERM
EXPOSURE TO THIS MATERIAL, INCLUDING DRYING, CRACKING AND
IRRITATION OF THE SKIN. REACTS W
ITH SKIN PROTEIN AND MOISTURE AND
CAN CAUSE RASH, SCALING OR BLISTERING. HIGH CONCENTRATIONS MAY
CAUSE HEADACHES AND DIZZINESS, ARE ANESTHETIC, AND MAY HAVE OTHER
CENTRAL NERVOUS SYSTEM EFFECTS, INCLUDING DEATH. (EFFECTS OF
OVEREXPOSURE)

Effects of Overexposure:HEALTH HAZARDS: ABUSE OF TOLUENE VAPORS CLEARLY
INDICATE THAT TOLUENE IS A DEVELOPMENTAL TOXICANT. IT IS KNOWN IN
THE STATE OF CALIFORNIA TO CAUSE BIRTH DEFECTS OR OTHER
REPRODUCTIVE HARM.

Medical Cond Aggrav

ated by Exposure:PRE-EXISTING SENSITIVITY TO SOLVENTS CAN CAUSE A HEIGHTENED REACTION TO EXPOS TO THIS PROD. CONTACT LENS WEARERS SHOULD CONSULT PROVIDER BEFORE HNDLG - CONSULT MD IMMED IF THERE IS EYE CONTACT.

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===== First Aid Measures =====

First Aid:INHALATION: REMOVE TO FRESH AIR, RESTORE BREATHING. CONSULT A PHYSICIAN. SKIN CONTACT: FLUSH WITH WATER. EYE CONTACT: FLUSH IMMEDIATELY WITH LARGE AMOUNTS OF WATER FOR AT LEAST 15 MINUTES.

CONSULT A P HYSICIAN. INGESTION: DO NOT INDUCE VOMITING. KEEP PERSON WARM, QUIET AND GET MEDICAL ATTENTION. SMALL AMOUNTS OF THE LIQUID ASPIRATED INTO THE RESPIRATORY SYSTEM DURING INGESTION OR FROM VOMITING MAY CAUSE CHEMICAL PNEUMONIA OR PULMONARY EDEMA.

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===== Fire Fighting Measures =====

Flash Point Method:SCC

Flash Point:=4.4C, 40.F

Lower Limits:0.9%

Upper Limits:7.4%

Extinguishing Media:CARBON DIOXIDE, DRY CHEMICAL, FOAM.

Fire Fighting P

rocedures:USE NIOSH APPROVED SCBA AND FULL PROTECTIVE EQUIPMENT INCLUDING FULL BUNKER GEAR IN FIRE AREA (HELMET WITH FACE SHIELD, BUNKER COAT, GLOVES, RUBBER BOOTS). WATER STREAM WILL SPREAD FIRE. DO NOT USE WATER HOSE STREAM.

Unusual Fire/Explosion Hazard:FLAMMABILITY CLASSIFICATION: OSHA - FLAMMABLE LIQ - CLASS IB. DOT - FLAMMABLE LIQ OR SOLID. KEEP CNTNRS TIGHTLY CLOSED. ISOLATE FROM HEAT, SPARKS & OPEN FLAME. CLOSED CNTNRS MAY EXPLODE WHEN EXPOSED T O EXTREME HEAT.

WATER MAY BE USED

TO COOL CLOSED CNTNRS TO PVNT PRESS BUILD-UP & POSS AUTOIGNIT OR EXPLO WHEN (SUPDAT)

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===== Accidental Release Measures =====

Spill Release Procedures:AVOID BREATHING SOLVENT VAPOR. ENSURE ADEQUATE VENTILATION. AVOID SPARKS, FLAMES AND ANYTHING WHICH COULD CAUSE FIRE. ELIMINATE SOURCE OF SPILL IF YOU CAN DO SO WITHOUT RISK BY CLOSING VALVE, PLUGGING HOLE, ETC. APPLY ABSORBENT INERT MATERIAL (SAND, DUST, VERMICULITE) TO SPILL

. CLEAN SPILL WITH BRISTLE BROOM,
NON-SPARKING TOOLS, CLEAN DRY RAGS. PROTECTIVE CLOTHING SHOULD BE
WORN.

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Handling and Storage
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Handling and Storage Precautions:DRUMS SHOULD BE GROUNDED WHEN BEING
EMPTIED.

Other Precautions:PROVIDE NIOSH APPROVED RESPIRATORY PROTECTION AGAINST
FUMES GENERATED DURING BURNING.

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Exposure Controls/Personal Protection
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Respiratory Protection:NIOSH APPROVED RESPIRATOR TYPES S
UITABLE FOR

MATERIALS IN INGREDIENT SECTION RECOMMENDED. NIOSH APPROVED
CHEMICAL/MECHANICAL FILTERS RECOMMENDED WHEN VENTILATION IS
RESTRICTED. PRECAUTIONS MUST BE TAK EN SO THAT PERSONS DO NOT
BREATHE THE VAPORS OR HAVE CONTACT WITH EYES OR SKIN. PROTECT
AGAINST EXPOSURE TO BOTH VAPOR AND SPRAY MIST.

Ventilation:SUFFICIENT VENT, IN VOL & PATTERN, SHOULD BE PROVIDED TO
KEEP AIR CONTAM BELOW CURRENT APPLIC OSHA PERMISSIBLE EXPOS LIM OR
ACGIH'S TLV LIM. SOLV VAPS (SUPDA

T)
Protective Gloves:IMPERVIOUS GLOVES .

Eye Protection:ANSI APPROVED CHEMICAL WORKERS GOGGLES .

Other Protective Equipment:EYE WASH & DELUGE SHOWER MEETING ANSI DESIGN
CRITERIA . USE PROTECTIVE CREAMS WHERE SKIN CONTACT IS LIKELY.
REMOVE & WASH CONTAMINATED CLOTHING BEFORE REUSE.

Work Hygienic Practices:USE NORMAL HYGIENE PRACTICES DURING AND AFTER
HANDLING THIS MATERIAL.

Supplemental Safety and Health

MFR'S TRADE NAME/PART NO: INTERIOR/EXTERIOR WOOD OR METAL EA GOLD
GLOSS. EXPL

O HAZ: EXPOS TO EXTREME HEAT. REMOVE ALL NON-ESSNTL
PERS FROM FIRE AREA. VAP IS HVR/AIR & CAN TRAVEL CONSIDERABLE DIST
TO SOURCE OF IGNIT & FLASHBACK. VENT: SHOULD BE REMOVED FROM LOWER
LEVELS OF WORK AREA & IGNIT SOURCES SHOULD BE ELIM.

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Physical/Chemical Properties
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HCC:F3

Boiling Pt:>110.C, 230.F

B.P. Text:230-390F

Vapor Pres:SEE INGREDIENTS

Vapor Density:HVR/AIR

Spec Gravity:1.02

Appearance and Odor:THING GOLD LIQUID; TYPICAL SOLVENT ODO

R.
Percent Volatiles by Volume:62.4

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
NONE KNOWN.

Stability Condition to Avoid:THIS PRODUCT IS STABLE UNDER NORMAL
STORAGE CONDITIONS. AVOID STRONG OXIDIZERS, ACIDS AND ALKALIES.

Hazardous Decomposition Products:THERMAL DECOMPOSITION RELEASES CARBON
MONOXIDE AND/OR CARBON DIOXIDE.

Conditions to Avoid Polymerization:WILL NOT OCCUR UNDER NORMAL
CONDITIONS.

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= Disposal Considerations =====

Waste Disposal Methods:SOAK LIQS W/SAWDUST OR RAGS & REMOVE. FLUSH W/
WATER IF POSS. AVOID SKIN CONTACT. DISPOSAL SHOULD BE I/A/W LOCAL,
STATE & FEDERAL REGS. DO NOT INCINERATE, CUT OR WELD EMPTY CNTNRS.
WHEN DISCARDED THIS MATL IS A HAZ WASTE. TRANSFER LIQ TO CNTNRS
FOR RECOVERY OR DISPOSAL. EPA HAZ WASTE CODE F003 HAZ W ASTE
CHARACTERISTICS. IGNITABILITY.

===== Regulatory Information =====

SARA Title III Information:THIS PRODUCT CONTAINS ONE OR MORE MATERIALS
SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE
EMERGENCY PLANNING AND THE COMMUNITY RIGHT-TO-KNOW ACTS OF 1986 AND
OF 40 CFR 372: TOLUENE, XYLE NE.

State Regulatory Information:

===== Other Information =====

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