

VARIAN -- EPK 660 PART B VARIAN-TORRESEAL PROD CODE ABO660 EPK-660 -- 8030-00-998-3321  
===== Product Identification =====

Product ID:EPK 660 PART B VARIAN-TORRESEAL PROD CODE ABO660 EPK-660

MSDS Date:02/16/1995

FSC:8030

NIIN:00-998-3321

Kit Part:Y

MSDS Number: CCJZK

=== Responsible Party ===

Company Name:VARIAN

Address:121 HEARTWELL AVE.

City:LEXINGTON

State:MA

ZIP:02173

Country:US

Info Phone Nu

m:800-8VARIAN

Emergency Phone Num:800-8VARIAN

Preparer's Name:KEN DECOSTA

CAGE:KO079

=== Contractor Identification ===

Company Name:VARIAN

Address:1678 S PIONEER RD

City:SALT LAKE CITY

State:UT

ZIP:84104-4205

Country:US

Phone:801-972-5000

CAGE:KO079

Company Name:VARIAN ASOCIATES INC, VACUUM PRODUCTS DIV

Address:121 HARTWELL AVE

Box:City:LEXINGTON

State:MA

ZIP:02173-3125

Country:US

Phone:617-7200

CAGE:04399

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

Ingred Name:SILICA,

CRYSTALLINE - QUARTZ

CAS:14808-60-7

RTECS #:VV7330000

Fraction by Wt: 15.602%

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:0.3MG/M3

Ingred Name:DIETHYLENETRIAMINE

CAS:111-40-0

RTECS #:IE1225000

Fraction by Wt: 10-30%

Other REC Limits:NONE RECOMMENDED

ACGIH TLV:1 PPM

Ingred Name:EPOXY RESINS

CAS:25068-38-6

RTECS #:SL6475000

Fraction by Wt: 10-30%

Other REC Limits:NONE RECOMMENDED

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

LD50 LC50 Mixture:0.3 MG/M3 TDUST 0.1 MG/M3 R

DUST \*

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

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

Health Hazards Acute and Chronic:INHAL. CHRONIC OVEREXP TO FREE SILLICA

DUST ABOVE TLV MAY CAUSE SCARRING OF LUNGS W/COUGHING,SHORTNESS OF BREATH,DELAYED LUNG INJURY SILICOSIS MAY RESULT FROM BREATHING FREE SILLICA-SILICOSIS IS A DI SABLING/PROGRESSIVE/SOMETIMES FATAL PULMONARY FIBROSIS CHARACTERIZED TYPICAL NODULATION IN LUNGS. \*\*

Effects of Overexposure:IRRIT AS

NOTED SKIN SENSITIZATION MAY BE

EVIDENCED BY RASHES OR HIVES. \*\*MAY CAUSE RESP SENSITIZATION, ATHSMA IN SUSCEPTIBLE PEOPLE. OVEREXP MAY CAUSE IRRIT TO UPPER RESP TRACT. EYE:SEVERE IRRIT W/COR NEAL INJURY MAY RESULT IN PERM IMPAIRMENT OF VISION, BLINDNESS. VAPORS MAY IRRIT EYES/SKIN:\*\*\*

Medical Cond Aggravated by Exposure:PREEXISTING SKIN & EYE DISORDERS

MAY BE AGGRAVATED BY EXP TO PROD PREEXISTING SKIN/LUNG ALLERGIES MAY INCREASE CHANCE OF DEVELOPING INCREASED ALLERGIC SY

MPTOMS FROM EXP  
TO PROD.

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

First Aid:EYES: WASH W/LG AMTS OF WATER FOR 15-30 MIN IF IRRIT  
PERSISTS. SKIN:FLUSH SKIN W/LG AMTS WATER FOR >15 MIN REMOVE CONTAM  
CLOTHING UNDER SAFETY SHOWER. GET MED AID. AVOID PROLONGED CONTACT  
W/PROD. WASH THOROUGHLY AFTER HANDLING. WASH ALL CLOTHING DO NOT  
REUSE CLOTHES UNTIL CLEANED. IF LEATHER ARTIC CAN'T BE DECOM  
DESTROY. IF CLOTHES ARE STUCK TO BURN AREA, CUT AROUND,  
DO NOT PULL  
OFF. \*\*

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

Flash Point Method:OC  
Flash Point:215F,102C  
Extinguishing Media:WATER SPRAY, DRY CHEM, ALCOHOL FOAM OR CARBON  
DIOXIDE.  
Fire Fighting Procedures:USE WATER TO KEEP FIRE EXPOSED CONTNRS COOL.  
WATER SPRAY MAY BE USED TO FLUSH SPILLS AWAY FROM EXPOSURE & TO  
DILUTE SPILLS TO NONFLAMMABLE MIXTURES.  
Unusual Fire/Explosion Hazard:CARE MUST BE TAKE TO PREVENT IGNITION  
WHEN PROCESSING OR HANDLING A  
T TEMPS >FLASH POINT.

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

Spill Release Procedures:CLEAN UP & DISPOSAL SHOULD BE ACCORDING TO  
FED/STATE/LOCAL ENVIRONMENTAL CONTROL REGS.

=====  
Handling and Storage  
=====

Handling and Storage Precautions:PROT FROM PHYSICAL DAMAGE STORE IN  
COOL DRY WELL VENT AREA AWAY FROM ANY WHERE FIRE HAZ MAY BE ACUTE.  
Other Precautions:PROD IS A STRONG SKIN SENSITIZER, AVOID SKIN CONTACT.

=====  
Exposure Controls/Personal Protection  
=====

Respiratory Protection:WHERE SMALL AMTS ARE BEING USED VENT SHOULD MOVE  
AIR OVER THE WORK & AWAY FROM WORKER. DO NOT RECIRCULATE UNLESS  
SCRUBBED W/ACID.  
Ventilation:MOVE AIR OVER WORK & AWAY FROM WORKER.  
Protective Gloves:RUBBER OR PLASTIC.  
Eye Protection:GOGGLES WHERE DANGER OF SPLASH.  
Other Protective Equipment:USE OF PROT SKIN CREAM IS RECOMMENDED.  
Work Hygienic Practices:NK \*1PPM SKIN. LD50 RABBIT 1000 MG/M3 SKIN  
ABSORPTI

ON. ORAL LD50 RATS 1800-2330 MG/M3.

Supplemental Safety and Health

\*\*INHAL: REMOVE TO FRESH AIR IF EFFECTS OCCUR CALL DR. PROVIDE OXYGEN  
IF BREATHING DIFICULT CALL DR.INGEST. DO NOT INDUCE VOMITING. NO  
TREATMENT NECESSARY UNLESS LG QTYS OF PROD AREINGESTED GET MED AD  
VICE. NOTE: EMESIS UNNECESSARY IN HIGH VISCOSITY LOW VOLATILITY  
PROD EPOXY RESINS. MORE INFORMATION ON FILE.

===== Physical/Chemical Properties =====

Boiling Pt:B.P. Text:404F,207C

Vapor

Pres: