



# MATERIAL SAFETY DATA SHEET

## SECTION 1 IDENTITY

**NAME OF PRODUCT: Sunnen AN-994A or AN-980 ABRASIVE CONE**

**MANUFACTURER'S NAME AND ADDRESS:**

SUNNEN PRODUCTS COMPANY  
7910 MANCHESTER  
ST. LOUIS, MO 63143

**CONTACT:**

CHUCK KORN

**DATE:**

October 7, 1998

**EMERGENCY TELEPHONE NUMBER:**

314-781-2105

## SECTION 2 INGREDIENTS/IDENTITY (PER 29 CFR 1910.1200(g))

CHEMICAL NAME OF COMPONENTS	MAXIMUM Wt%	CAS NO.	OSHA TWA Z1-A	ACGIH TWA	CARCINOGENIC
ALUMINUM OXIDE	20	1344-28-1	10 Total Dust 5 Respirable	10	N

FOR FURTHER SAFETY AND HEALTH INFORMATION REGARDING THE COMPOSITION OF THIS MATERIAL CONTACT SUNNEN PRODUCTS.

These mixture ingredients are cited on the following lists:

NAME	CAS	CITATIONS
Aluminum Oxide	1344-28-1	4,13,16,17

1=IARC 2=OSHA 3=NTP 4=ACGIH 5=NFPA49 6=NFPA325M 7=DOT HMT 49CFR172.101 8=EPA 9=RTECS 10=MA RTK 11=AK RTK 12=CA RTK 13=FL RTK 14=IL RTK 15=ME RTK 16=MN RTK 17=NH RTK 18=NJ RTK 19=Cincinnati, OH RTK 20=Norwood, OH RTK 21=PA RTK 22=RI RTK 23=WV RTK

## SECTION 3 PHYSICAL & CHEMICAL CHARACTERISTICS

SPECIFIC GRAVITY (WATER=1) .....Unknown  
 MELTING POINT .....Unknown  
 PERCENT VOLATILE BY WEIGHT.....Not volatile  
 VAPOR PRESSURE (mm Hg).....Not volatile  
 VAPOR DENSITY (Air=1).....Not volatile  
 EVAPORATION RATE .....Not volatile  
 SOLUBILITY IN WATER.....Not soluble  
 REACTIVITY IN WATER.....Not reactive  
 APPEARANCE AND ODOR.....Solid material. May give off odor in use.

## SECTION 4 SPECIAL PRECAUTIONS

NONE Refer to Section 7.

## SECTION 5 CORROSIVELY AND REACTIVITY DATA

STABILITY: MATERIAL IS STABLE UNDER NORMAL CONDITIONS OF TRANSPORT AND STORAGE.  
POLYMERIZATION: HAZARDOUS POLYMERIZATION WILL NOT OCCUR. INCOMPATIBILITY (MATERIALS TO AVOID): None known

## SECTION 6 HEALTH, FIRST AID AND MEDICAL DATA

ACUTE AND CHRONIC HEALTH EFFECTS AND EFFECTS OF OVEREXPOSURE. PRIMARY ROUTE(S) OF ENTRY ARE: INGESTION, INHALATION AND SKIN ABSORPTION. ABBREVIATIONS USED IN THE FOLLOWING SECTION: NAIF=NO APPLICABLE INFORMATION FOUND, SKIN=SKIN ABSORPTION, EYE=EYE CONTACT, INHAL=INHALATION, INGEST=INGESTION. THE INFORMATION PRESENTED AND CONCLUSIONS DRAWN ARE FROM OTHER THAN DIRECT TEST DATA.

ALUMINUM OXIDE: ACUTE: SKIN: NAIF. EYE: Dust may irritate eyes. INHAL: Nuisance particulate. INGEST: NAIF. CHRONIC:: SKIN: NAIF. EYE: NAIF. INHAL: NAIF. INGEST: NAIF.

### EMERGENCY FIRST AID

INHALATION: Remove to fresh air. If not breathing, begin mouth to mouth resuscitation. Seek medical attention.  
EYE CONTACT: Remove contact lenses (if wearing) and flush eyes with water to remove particulates. Seek medical attention to check for possible irritation. SKIN CONTACT: Brush off excess dust. Wash hands with mild non-abrasive soap and water. INGESTION: Seek medical attention.

## SECTION 7 HANDLING, STORAGE AND USE PROCEDURES

NORMAL STORAGE AND HANDLING: No special procedures. NORMAL USE: Normal precautions should be taken for nuisance dust and particulates generated during grinding which will be principally from the work piece rather than the product. STEPS TO BE TAKEN IN CASE OF LEAKS OR SPILLS: Normal cleanup procedures. WASTE DISPOSAL METHODS: Dispose of in accordance with applicable federal, state and local laws, regulations, rules, orders and ordinances.

## SECTION 8 PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Utilize approved respiratory protection for nuisance dust. VENTILATION LOCAL: Normal MECHANICAL: Utilize forced ventilation to keep airborne concentration of dust below limits. SKIN PROTECTION: Protective gloves recommended when grinding. EYE PROTECTION: Always wear NIOSH approved safety glasses when operating machinery. See OSHA 29 CFR 1910.133. OTHER EQUIPMENT: Hearing protection if noise levels exceed NIOSH/OSHA TLV/PEL levels. See OSHA 29 CFR 1910.215

## SECTION 9 FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: Unknown. EXTINGUISHING MEDIA: FOAM, CARBON DIOXIDE, DRY CHEMICAL OR WATER. SPECIAL FIRE FIGHTING PROCEDURES: NONE UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE.

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