

SUNNEN PRODUCTS CO -- SUNNEN HONING STONES: XHB -- 4910-00-421-1682

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

Product ID:SUNNEN HONING STONES: XHB

MSDS Date:07/04/1989

FSC:4910

NIIN:00-421-1682

MSDS Number: BQMDM

=== Responsible Party ===

Company Name:SUNNEN PRODUCTS CO

Address:7910 MANCHESTER AVE

City:ST LOUIS

State:MO

ZIP:63143-2712

Country:US

Info Phone Num:314-781-2105

Emergency Phone Num:314-781-210

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Preparer's Name:TERRY HELLER

CAGE:58436

=== Contractor Identification ===

Company Name:SUNNEN PRODUCTS CO

Address:7910 MANCHESTER AVE

Box:City:SAINT LOUIS

State:MO

ZIP:63143-2712

Country:US

Phone:314-781-2100

CAGE:58436

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

Ingred Name:ALPHA-ALUMINA (ALUMINUM OXIDE) (EPA LISTS ONLY FIBROUS  
FORMS) (SARA III)

CAS:1344-28-1

RTECS #:BD1200000

Fraction by Wt: 55% MAX

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MG/M3 TDUST

AC

GIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:ALUMINUM (SARA III)

CAS:7429-90-5

RTECS #:BD0330000

Fraction by Wt: 5% MAX

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15MG/M3 DUST/5 FUME

ACGIH TLV:10MG/M3 DUST; 9293

Ingred Name:BORON OXIDE

CAS:1303-86-2

RTECS #:ED7900000

Fraction by Wt: 5% MAX

Other REC Limits:NONE RECOMMENDED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3; 9293

Ingred Name:CALCIUM OXIDE

CAS:1305-78-8

RTECS #:EW3100000

Fraction by Wt: 5% MAX

Other REC Limits:NONE RECOMMENDED

OSHA PEL:5

MG/M3

ACGIH TLV:2 MG/M3; 9293

Ingred Name:COPPER (AS DUST/MIST)

CAS:7440-50-8

RTECS #:GL5325000

Fraction by Wt: 5% MAX

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.1MG/M3 FUME/1 DUST

ACGIH TLV:0.2MG/M3 FUME; 9293

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:COPPER (AS FUME)

CAS:7440-50-8

RTECS #:GL5325000

Fraction by Wt: -

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.1MG/M3 FUME/1 DUST

ACGIH TLV:0.2MG/M3 FUME; 9293

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:SILICA, CRYST

ALLINE - QUARTZ  
CAS:14808-60-7  
RTECS #:VV7330000  
Fraction by Wt: 10% MAX  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:SEE TABLE Z3  
ACGIH TLV:0.1 MG/M3 RDUST;9293

Ingred Name:FLUORIDES AS FLUORINE (SARA III)  
CAS:7782-41-4  
RTECS #:LM6475000  
Fraction by Wt: 5% MAX  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:0.1 PPM  
ACGIH TLV:1 PPM/2 STEL; 9293  
EPA Rpt Qty:10 LBS  
DOT Rpt Qty:10 LBS

Ingred Name:SILICON CARBIDE  
CAS:409-21-2  
RTECS #:VW0450000  
Fraction by Wt: 55% MAX  
Other REC Limits:NONE RECOMMENDED  
OS  
HA PEL:15 MG/M3 TDUST  
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:SILICA, CRYSTALLINE - FUSED  
CAS:60676-86-0  
RTECS #:VV7328000  
Fraction by Wt: 5% MAX  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:SEE TABLE Z3  
ACGIH TLV:0.1 MG/M3 RDUST;9293

Ingred Name:TIN  
CAS:7440-31-5  
RTECS #:XP7320000  
Fraction by Wt: 5% MAX  
Other REC Limits:NONE RECOMMENDED  
OSHA PEL:2 MG/M3  
ACGIH TLV:2 MG/M3; 9293

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

Routes of Entry: Inhalation:YES Skin:YES In

gestion: YES

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

Health Hazards Acute and Chronic: OPERATIONS SUCH AS ABRADING, MELTING, WELDING, CUTTING OR PROCESSING IN ANY OTHER FASION MAY PRODUCE POTENTIALLY HAZARDOUS DUST OR FUMES WHICH ACN BE INHALED, SWALLOWED OR COME IN CONTACT WITH THE SKI N OR EYES.

Explanation of Carcinogenicity: THIS COMPOUND CONTAINS NO INGREDIENTS AT CONCENTRATIONS OF 0.1% OR GREATER THAT ARE CARCINOGENS OR SUSPECT CARCINOGENS.

Effects of Overexpo

sure: DUSTS OR FUMES MAY CAUSE IRRITATION TO THE EYES, NOSE, OR THROAT; LEAVE A METALLIC TASTE IN THE MOUTH; RESULT IN METAL FUME FEVER (FLU-LIKE SYMPTOMS).

Medical Cond Aggravated by Exposure: SYMPTOMS MAY BE ARRGAVATED FOR SENSITIVE INDIVIDUALS WITH RESPIRATORY CONDITIONS (SUCH AS EMPHYSEMA). PERSONS WITH LIGHT SKIN, SENSITIVE SKIN OR LARGE AMOUNTS OF BODY HAIR MAY EXPERIENCE SKIN DISORDER

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

First Aid: INHALA

TION-REMOVE TO FRESH AIR. IF NOT BREATHING, BEGIN MOUTH TO MOUTH RESUSCITATION. SEEK MEDICAL ATTENTION. EYE-REMOVE CONTACT LENSES & FLUSH EYES WITH WATER TO REMOVE PARTICULATES. SEEK MEDICAL ATT ENTION TO CHECK FOR POSSIBLE IRRITATION. SKIN-BRUSH OFF EXCESS DUST. WASH HANDS WITH MILD NON-ABRASIVE SOAP & WATER. INGESTION-SEEK MEDICAL ATTENTION.

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

Flash Point: NONFLAMMABLE

Extinguishing Media: MATERIAL IN THE SO LID STATE DOES NOT PRESENT A FIRE OR EXPLSOION HAZARD.

Fire Fighting Procedures: NONE.

Unusual Fire/Explosion Hazard: DUST HAZARD EXIST UNDER FAVORING CONDITIONS OF SMALL PARTICLE SIZE. DISPERSION IN AIR & STRONG IGNITION SOURCE MAY RESULT IN AN EXPLOSION.

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

Spill Release Procedures: SWEEP UP. AVOID BREATHING DUST.

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

Handling and Storage Precautions: NO

SPECIAL PROCEDURES REQUIRED.

Other Precautions:NONE

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

Respiratory Protection:IF CONDITIONS OF USE (DRY HONING, CUTTING, GRINDING, WELDING, BRAZING OR SOLDERING OF STONE) GIVE RISE TO DUST USE NIOSH APPROVED RESPIRATOR RATED FOR METAL DUST TO MAINTAIN LEVELS OF DUST BELOW ACGIH AND OSHA LEVELS.

Ventilation:IF CONDITIONS OF USE GIVE RISE TO METAL FUMES USE FORCED VENTILATION TO MAINTAIN LEVELS BELOW ACGIH AND OSHA TLV/PEL.

Protective Gloves:NOT REQUIRED.

Eye Protection:ALWAYS WEAR APPROVED SAFETY GLASSES.

Other Protective Equipment:NO APPLICABLE INFORMATION FOUND.

Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING, DRINKING OR SMOKING.

Supplemental Safety and Health  
NONE

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

HCC:N1

Melt/Freeze Pt:M.P/F.P Text:>728F,>387C

Spec Gravity:5

Solubility in Water:NOT SOLUBLE

Appearance and Odor:SOLID OBJECT.

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

Stability Indicator/Materials to Avoid:YES  
ACIDS OF ALL TYPES WITH PH