



MATERIAL SAFETY DATA SHEET

SECTION 1 IDENTITY

NAME OF PRODUCT:

XL-43 ABRASIVE GRAIN or GH TRUING GRIT

MANUFACTURER'S NAME AND ADDRESS:

SUNNEN PRODUCTS COMPANY
7910 MANCHESTER
ST. LOUIS, MO 63143

EMERGENCY TELEPHONE NUMBER:

314-781-2105

CONTACT:

CHUCK KORN

DATE:

July 4, 1997

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

CHEMICAL NAME OF COMPONENTS	CAS NO.	MAX Wt%	OSHA Z1A 8 HR TWA	OSHA Z1A STEL mg./cu.m.	ACGIH TWA	CARCINOGENIC
Aluminum oxide (alundum)	1344-28-1	>96	15 total dust/5 respirable	NONE	10	N
Titanium Oxide	13463-67-7	<3	15 total dust/5 respirable	NONE	10	N
Impurities		<1.5				
Silica	14808-60-7		10 / (% respirable SiO ₂ +2)	NONE	0.1	N
Iron Oxide	1332-37-2		NONE	NONE	NONE	N
Calcium Oxide	1305-78-8		5	NONE	2	N
Magnesium Oxide	1309-48-4		15	NONE	10 vapor	N
Sodium Oxide	12401-86-4		NONE	NONE	NONE	N
Silicon carbide (cristolon)	409-21-2	>97	15 total dust/5 respirable	NONE	10	N
Carbon	1333-86-4	<3	3.5	NONE	3.5	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	4,9,13,16,17
SILICON CARBIDE	409-21-2	4,9,13,16,17,22

1=IARC 2=OSHA 3=NTP 4=ACGIH 5=NTPA49 6=NTPA325M 7=DOT HMT 49CFR172.101 8=EPA SARA III 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, Ohio RTK 20=Norwood, Ohio RTK 21=PA RTK 22=RI RTK 23=WV RTK

SECTION 3 PHYSICAL & CHEMICAL CHARACTERISTICS

SPECIFIC GRAVITY (WATER=1).....3.9 (APPROX)	VAPOR DENSITY (Air=1)NOT VOLATILE
MELTING POINT>3452 F (1900 C)	EVAPORATION RATENOT VOLATILE
PERCENT VOLATILENOT VOLATILE	SOLUBILITY IN WATERNOT SOLUBLE
VAPOR PRESSURE (mm Hg)NOT VOLATILE	REACTIVITY IN WATERNOT REACTIVE
APPEARANCE AND ODORSOLID POWDER	

SECTION 4 SPECIAL PRECAUTIONS

HANDLING AND STORAGE: NONE Refer to MSDS Section 7 & 8.

SECTION 5 CORROSIVITY 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 HAZARDOUS DECOMPOSITION PRODUCTS: None

SECTION 6 HEALTH, FIRST AID AND MEDICAL DATA

ACUTE AND CHRONIC HEALTH EFFECTS AND EFFECTS OF OVEREXPOSURE

Air-borne particles which can be inhaled, swallowed, or come in contact with the skin or eyes, may cause irritation to the eyes, nose, or throat. Symptoms may be aggravated for sensitive individuals with respiratory conditions (such as emphysema). Persons with light skin, sensitive skin or large amounts of body hair may experience skin disorders from increased sensitivity to contact with dust.

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.

SILICON CARBIDE: ACUTE: SKIN: Dust may irritate skin. Not absorbed through skin. EYE: Dust may irritate eyes. INHAL: Nuisance particulate. Non-toxic after short term exposure. Dust in high concentrations may cause mild, temporary irritation and coughing. INGEST: NAIF. CHRONIC: SKIN: NAIF. EYE: NAIF. INHAL: Some studies have shown evidence of fibrosis (scarring of the lung) related to mixed dust exposure INGEST: NAIF.

ALUNDUM (aluminum Oxide): ACUTE: SKIN: May cause irritation by abrasion. NAIF. EYE: Dust may irritate eyes by abrasion. INHAL: Nuisance particulate. Coughing and shortness of breath may occur. INGEST: NAIF. CHRONIC:: SKIN: NAIF. EYE: NAIF. INHAL: A pottery industry study reported no changes in function or structure of the lungs. NAIF. INGEST: NAIF.

TITANIUM DIOXIDE: ACUTE: SKIN: Not absorbed through the skin and probably not irritating. EYE: Not expected to cause eye irritation except by abrasion. INHAL: Dust in high concentrations may cause mild, temporary irritation and coughing. INGEST: No harmful effects were observed after one human ingested one pound of titanium dioxide. CHRONIC: SKIN: NAIF. EYE: NAIF. INGEST: NAIF. INHAL: Minor reversible health effects on the lungs reported in available studies.

CRYSTALLINE SILICA: ACUTE: SKIN: No effects. EYE: May be irritating. INGESTION: No effects. INHALATION: Irritation of the respiratory tract from low concentrations of dust. CHRONIC: SKIN: NAIF. EYE: NAIF. INGEST: NAIF. INHAL: Prolonged or repeated exposure may cause a silicosis, a disease characterized by severe scarring of the lungs.

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 required. Respirators may be required. **NORMAL USE:** Practice good personal hygiene. Wash hands thoroughly after using product. **STEPS TO BE TAKEN IN CASE OF LEAKS OR SPILLS:** Sweep up or vacuum. Avoid creating dust during clean up. Respirators may be required. **WASTE DISPOSAL METHODS:** Standard landfill methods. Dispose of in accordance with applicable federal, state and local laws, regulations, rules, orders and ordinances

SECTION 8 PERSONAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Use NIOSH approved respirator rated for dust to maintain levels of dust below ACGIH TLV and OSHA PEL/TLV levels. **VENTILATION:** Normal ventilation is required. Use forced ventilation to maintain levels of fumes or mists below ACGIH TLV and OSHA PEL/TLV levels for nuisance dust. See OSHA 29CFR1910.94 (ventilation) and 29CFR1910.1000 (air contaminants). **SKIN PROTECTION:** Gloves and protective clothes if any operation generates dust. **EYE PROTECTION:** Always wear NIOSH approved safety glasses when honing or operating machinery. See OSHA 29CFR1910.134. **OTHER EQUIPMENT:** No applicable information found. **MEASURES TO BE TAKEN DURING REPAIR AND MAINTENANCE OF CONTAMINATED EQUIPMENT THAT HAS BEEN IN CONTACT WITH THIS MATERIAL:** Avoid breathing dust.

SECTION 9 FIRE AND EXPLOSION HAZARD DATA

Material in the solid state does not present a fire or explosion hazard

NOTICE

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