

SUNNEN PRODUCTS CO. -- WB-D (GUIDE SHOE) -- 3460-01-025-4062

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

Product ID:WB-D (GUIDE SHOE)

MSDS Date:08/15/1987

FSC:3460

NIIN:01-025-4062

MSDS Number: BGFNQ

=== Responsible Party ===

Company Name:SUNNEN PRODUCTS CO.

Address:7910 MANCHESTER AVE

City:ST LOUIS

State:MO

ZIP:63143-2712

Country:US

Emergency Phone Num:(314)781-2105

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:IRON

CAS:7439-89-6

RTECS #:NO4565500

OSHA PEL:10MG/CUM(OXIDE FUME)

ACGIH TLV:5 MG/CUM(OXIDE FUME)

Ingred Name:COPPER (SARA III)

CAS:7440-50-8

RTECS #:GL5325000

OSHA PEL:0.1MG/M3 FUME/1 DUST

ACGIH TLV:0.2MG/M3 FUME; 9192

EPA Rpt Qty:5000 LBS

DOT Rpt Qty:5000 LBS

Ingred Name:COBALT (SARA III)

CAS:

7440-48-4
RTECS #:GF8750000
OSHA PEL:0.1 MG/M3;AS CO
ACGIH TLV:0.05 MG/M3;DUST 9293

Ingred Name:TIN
CAS:7440-31-5
RTECS #:XP7320000
OSHA PEL:2 MG/M3
ACGIH TLV:2 MG/M3; 9192

Ingred Name:GRAPHITE, SYNTHETIC
CAS:7440-44-0
RTECS #:FF5250100
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:2 MG/M3 TDUST; 9293

Ingred Name:MANGANESE (SARA III)
CAS:7439-96-5
RTECS #:OO9275000
OSHA PEL:(C) 5 MG/M3 DUST
ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name:ALUMINUM (SARA III)
CAS:7429-90-5
RTECS #:BD0330000
OSHA PEL:15MG/M3 DUS
T/5 FUME
ACGIH TLV:10MG/M3 DUST; 9192

Ingred Name:CHROMIUM (SARA III)
CAS:7440-47-3
RTECS #:GB4200000
OSHA PEL:1 MG/M3
ACGIH TLV:0.5 MG/M3; 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:MOLYBDENUM
CAS:7439-98-7
RTECS #:QA4680000
OSHA PEL:15 MG/M3 TDUST
ACGIH TLV:10 MG/M3; 9293

Ingred Name:NICKEL (SARA III)
CAS:7440-02-0
RTECS #:QR5950000
OSHA PEL:1 MG/M3
ACGIH TLV:1 MG/M3; 9192

Ingred Name:SILICON
CAS:7440-21-3
RTECS #:VW0400000
Other REC Limits:5MG/CUM(RESP.DUST)
OSHA PEL:15 MG/M3 TD

UST
ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name:LEAD (SARA III)
CAS:7439-92-1
RTECS #:OF7525000
OSHA PEL:0.05 MG/M3;1910.1025
ACGIH TLV:0.15 MG/M3;DUST 9192
EPA Rpt Qty:1 LB
DOT Rpt Qty:1 LB

Ingred Name:ZINC (SARA III)
CAS:7440-66-6
RTECS #:ZG8600000
OSHA PEL:10 MG ZNO/M3
ACGIH TLV:10 MG ZNO/M3; 9192
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

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

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

Reports of Carcinogenicit

y:NTP:YES IARC:YES OSHA:YES

Health Hazards Acute and Chronic:OPERATIONS SUCH AS

ABRADING,MELTING,WELDING,CUTTING OR PROCESSING IN ANY OTHER FASHION
MAY PRODUCE POTENTIALLY HAZARDOUS DUST OR FUMES WHICH CAN BE
INHALED,SWALLOWED,OR COME IN CONTACT WITH THE SKIN O R EYES. DUST
OR FUME MAY CAUSE IRRITATION TO THE EYES,NOSE OR THROAT; -CONTINUES
IN SUPPLEMENTAL SAFETY & HEALTH DATA-

Explanation of Carcinogenicity:NICKEL IS A CARCINOGEN AND CERTAIN
COMPOUNDS OF CHROMIUM AN

D COBALT HAVE BEEN IDENTIFIED AS SUSPECT
HUMAN CARCINOGENS.

Effects of Overexposure:SEE HEALTH HAZARDS AND MEDICAL CONDITIONS
AGGRAVATED BY EXPOSURE.

Medical Cond Aggravated by Exposure:OVEREXPOSURE SYMPTOMS MAY BE
AGGRAVATED FOR SENSITIVE INDIVIDUALS WITH RESP.CONDITION (SUCH AS
EMPHYSEMA). PERSON WITH LT SKIN,SENSITIVE SKIN OR LG AMTS OF BODY
HAIR MAY EXPERIENCE SKIN DISORDERS.

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

First Aid:EYES:FLUSH WITH

WATER.SEEK MEDICAL ATTENTION;SKIN:WASH WITH
SOAP & WATER;INHALATION:REMOVE TO FRESH AIR.IF NOT BREATHING GIVE
CPR.SEEK MEDICAL ATTENTION;INGESTION:SEEK MEDICAL ATTENTION.

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

Extinguishing Media:USE EXTINGUISHING MEDIA APPROPRIATE FOR SURROUNDING
FIRE.

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

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

Spill Release Procedures:PICK UP AND PLACE IN APPROPRIATE DISPOSAL
CONTAINER.

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

Handling and Storage Precautions:NO SPECIAL PROCEDURE REQUIRED.

Other Precautions:REMOVE TRACES OF MATERIAL DUST IF
SOLDERING,WELDING,BRAZING,CUTTING OR OTHER PROCESS INVOLVING
IGNITION SOURCES TO PREVENT A FIRE HAZARD.

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

Respiratory Protection:IN CASE OF DUST CONDITIONS,USE NIOSH APPROVED
RESPIRATOR FOR METAL DUST.

Ventilation:LOCAL EXHAUST

Protective Gloves:AS REQUIRED

Eye Protection:SAFETY GLASSES

Work Hygienic Practices:STANDARD PRACTICE

Supplemental Safety and Health

HEALTH HAZARDS,CONT'D:LEAVE A METALLIC TASTE IN THE MOUTH;RESULT IN
METAL FUME FEVER (FLU-LIKE SYMPTOMS).

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

HCC:N1

Melt/Freeze Pt:M.P/F.

P Text:1100-2500F

Spec Gravity:7.8

Solubility in Water:NOT SOLUBLE

Appearance and Odor:SOLID METAL OBJECT. ANTI-RUST COATING HAS ODOR OF KEROSENE.

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

Stability Indicator/Materials to Avoid:YES

ACIDS,BASES OR STRONG OXIDIZING AGENTS.

Hazardous Decomposition Products:METAL FUMES IF HEATED. ANTI-RUST COATING IS COMBUSTIBLE AND WILL PRODUCE OXIDES OF CARBON.

===== Disposal Considerations =====

Waste Disposal Methods:DISPOSE OF IAW FEDERAL,STATE AND LOCAL REGULATIONS.

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