

SUNNEN PRODUCTS CO. -- S-744 (TRUING SLEEVE) -- 3460-01-135-2685
===== Product Identification =====

Product ID:S-744 (TRUING SLEEVE)
MSDS Date:08/15/1987
FSC:3460
NIIN:01-135-2685
MSDS Number: BGNKB
=== 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 MEILER
CA
GE: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 Rp

t 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 DUST/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
RT

ECS #:VW0400000
Other REC Limits:5MG/CUM(RESP.DUST)
OSHA PEL:15 MG/M3 TDUST
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 Carcinogenicity: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 Carcino

genicity:NICKEL IS A CARCINOGEN AND CERTAIN

COMPOUNDS OF CHROMIUM AND 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:LEAVES A METALLIC TASTE IN THE MOUTH;RESULTS IN METAL FUME FEVER (FLU-LIKE SYMPTOMS).

===== Phys

ical/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.

Disclaimer (provided with this information by the compiling agencies):

This information is formulated for use by elements of the Department of Defense. The United States of America in no manner whatsoever, expressly or implied, warrants this information to be accurate and disclaims all liability for its use. Any person utilizing this

document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.