View NSN Online: https://aerobasegroup.com/nsn/3439-01-426-5241

PRAXAIR SURFACE TECHNOL INC SPECIALTY POWDERS BUSI -- NI-365-3 -- 3439-01-426-5241

Product ID:NI-365-3 MSDS Date:01/27/1995

FSC:3439

NIIN:01-426-5241

MSDS Number: BZXWS === Responsible Party ===

Company Name: PRAXAIR SURFACE TECHNOL INC SPECIALTY POWDERS BUSI

Address:1555 MAIN STREET

City: INDIANAPOLIS

State:IN

ZIP:46224-3283 Country:US

Info Phone Num:317-240-2650

Emergency Phone Num:317-240-2209 Preparer's Name:MICHELLE ALEXANDER

CAGE:GO132

=== Contractor Identification ===

Company Name: PRAXAIR SURFACE TECHNOL INC SPECIALTY POWDERS BUSI

Address:1555 MAIN STREET

City: INDIANAPOLIS

State:IN

ZIP:46224-3283

Country:US

Phone:317-240-2650

CAGE:GO132

Company Name: PRAXAIR SURFACE TECHNOLOGIES INC

Address:1555 MAIN STREET Box:City:INDIANAPOLIS

State:IN

ZIP:46224-3283 Country:US

Phone:317-240-2650

CAGE:0FGH2

====== Composition/Information on Ingredients

==========

Ingred Name:NICKEL (SUSPECTED ANIMAL/HUMAN CARCINOGEN BY IARC GROUP 2B, SUSPECTED CARCINOGEN BY NTP) *96-2*

CAS:7440-02-0

RTECS #:QR5950000 Fraction by Wt: 50-75%

Other REC Limits: 1 MG/CUM

OSHA PEL:1 MG/CUM

ACGIH TLV:0.05 MG/CUM IC

Ingred Name: COBALT (ANIMAL CARCINOGEN BY IARC - GROUP 2B) *96-2*

CAS:7440-48-4

RTECS #:GF8750000 Fraction by Wt: 5-20%

Other REĆ Limits:0.05 PPM OSHA PEL:0.1 MG/CUM ACGIH TLV:0.05 MG/CUM

Ingred Name: CHROMIUM METAL, CHROMIUM, CHROME (KNOWN CA

RCINOGEN BY NTP;

IARC CARC - GROUP 3) *96-2*

CAS:7440-47-3

RTECS #:GB4200000 Fraction by Wt: 5-20% ACGIH TLV:0.5 MG/CUM

EPA Rpt Qty:1 LB DOT Rpt Qty:1 LB

Ingred Name:TANTALUM

CAS:7440-25-7

RTECS #:WW5505000 Fraction by Wt: 5-20% OSHA PEL:5 MG/CUM ACGIH TLV:5 MG/CUM

Ingred Name: ALUMINUM *96-2*

CAS:7429-90-5

RTECS #:BD0330000 Fraction by Wt: 5-20% OSHA PEL:15 MG/CUM

ACGIH TLV:10 MG/CUM (DUST)

Ingred Name:TUNGSTEN (INSOLUBLE), WOLFRAM *96-2*

CAS:7440-33-7

RTECS #:YO7175000

Fraction by Wt

: 1-5%

ACGIH TLV:5 MG/CUM

Ingred Name:RHENIUM

CAS:7440-15-5

Fraction by Wt: 1-5%

Ingred Name: MOLYBDENUM (SOLUBLE COMPOUND)

CAS:7439-98-7

RTECS #:QA4680000 Fraction by Wt: 1-5% OSHA PEL:5 MG/CUM ACGIH TLV:5 MG/CUM

Ingred Name: HAFNIUM

CAS:7440-58-6

RTECS #:MG4600000 Fraction by Wt: 1-5% OSHA PEL:0.5 MG/CUM ACGIH TLV:0.5 MG/CUM

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

Routes of Entry: Inhalation:YES Skin:NO Ingestion:YES

Reports of Carcinogenicity:NTP:YES IARC:

YES OSHA:NO

Health Hazards Acute and Chronic:SKIN: ALLERGIC DERMATITIS W/PAPULAR FORMATION IN SUSCEPTABLE INDIVIDUALS. EYES: IRRITATION & REDNESS OF THE CONJUNCTIVA, CORNEAL DAMAGE BY OVEREXPOSURE. INHALATION: RESPIRATORY TRACT IRRITANT. BURNING SENSATION, CNS DEPRESSION, INTERSTITIAL PNEUMONITIS & SENSITIZATION. INGESTION: CNS DEPRESSION & BURNING SENSATION.(SUP

Explanation of Carcinogenicity: SEE INGREDIENTS.

Effects of Overexposure: REDNESS, DRY/SCALY SKIN, FEVER, IRRITAT ION,

NAUSEA, ABDOMINAL PAIN, VOMITING, DIARRHEA, BURNING SENSATION, CHEST PAIN, POLYCYTHEMIA, HYPERPLASIA OF THE THYROID GLAND, LESIONS, ITCHING, SORENESS

Medical Cond Aggravated by Exposure: ASTHMA & INFLAMMATORY/FIBROTIC PULMONARY DISEASE. EXISTING DERMATITIS.

First Aid:INGESTION: GIVE 2 GLASSES OF MILK/WATER. INDUCE VOMITING IF CONSCIOUS. SKIN: WASH THOROUGHLY W/SOAP & WATER. INHALATION: REMOVE TO FR

ESH AIR. GIVE CPR/OXYGEN IF NECESSARY. EYES: FLUSH THOROUGHLY W/PLE NTY OF WATER. OBTAIN MEDICAL ATTENTION IN ALL CASES. NO SPECIFIC ANTIDOTE. TREATMENT SHOULD BE DIRECTED AT THE CONTROL OF SYMPTOMS & THE CLINICAL CONDITION.

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

Flash Point:NONE Lower Limits:NONE

Upper Limits:0

Extinguishing Media:DRY POWDER METAL EXTINGUISHING MATERIAL FOR METAL FIRES. APPROPRIATE EXTINGUISHER FOR COMBUSTIBLE MATERIALS Fire Fight

ing Procedures:USE NFPA51 OXYGEN FUEL GAS SYSTEMS FOR WELDING & CUTTING. NFPA58 STANDARD FOR THE STORAGE & HANDLING OF LIQUIFIED PETROLEUM GASES.

Unusual Fire/Explosion Hazard:AIRBORNE DUST PARTICLES & ACCUMULATION SHOULD BE TREATED AS EXPLOSIVES.

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

Spill Release Procedures:WEAR PROTECTIVE EQUIPMENT TO PROTECT AGAINST HAZARDS & DISPOSE OF PER WASTE DISPOSAL METHOD.

Other Precautions:ELECTRICITY CAN CAUSE FATAL SHOCK. DON'T TOUCH LIVE ELECTRICAL PARTS. ARC RAYS CAN BURN EYES/SKIN. FUMES/GAS/DUST CAN HARM YOUR HEALTH. AREA & SPARKS DURING SPRAYING CAN BE A SOURCE OF IGNITION OF COM BUSTIBLE MATERIALS. PREVENT FIRES.

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

Respiratory Protection:IF THERE IS DUSTINESS, WEAR RESPIRATOR SELECTED PER OSHA 1910.134, & OSHA 29 CFR 1910.252 & ANSI Z49.1.

Ventilation

:LOCAL DUST PICK UP & VENTILATION RECOMMENDED

Protective Gloves: NOT REQUIRED

Eye Protection: GOGGLES PER OSHA 1910.13.

Other Protective Equipment: ANSI Z49.1, ANSI Z87.1, ANSI Z88, FOR HELMETS, FACE SHIELDS & GOGGLES.

Supplemental Safety and Health

OVEREXPOSURE MAY CAUSE SENSITIZATION IN SUSCEPTABLE INDIVIDUALS. CAN CAUSE POLYCYTHEMIA, HYPERPLASIA OF THE THYROID GLAND & DAMAGE TO THE ALPHA CELLS OF THE PANCREAS. REPEATED INHALATION CAN CAUSE EMP HYSEMA/PULMONARY FIBROTIC DISEASE.

======================================
Boiling Pt:B.P. Text:NONE Vapor Density:>1 Appearance and Odor:GRAY POWDER Percent Volatiles by Volume:0
========= Stability and Reactivity Data =========
Stability Indicator/Materials to Avoid:YES Stability Condition to Avoid:ACCUMULATION OF DUST PARTICLES, ARC RAYS, SPARKS & OTHER IGNITION SOURCES Hazardous Decomposition Products:BY THERMAL SPRAYING: OXIDES, SUB-OXIDES & COMPLEX OXIDES OF MATERIAL S
======= Disposal Considerations ==========
Waste Disposal Methods:DISPOSE OF IN ACCORDANCE W/LOCAL_STATE &

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE W/LOCAL, STATE & FEDERAL 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.