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UNION CARBIDE SPECIALTY POWDERS -- T-013 CO-103 (CS32-03) -- 3439-01-130-8826

Product ID:T-013 CO-103 (CS32-03)

MSDS Date:03/31/1988

FSC:3439

NIIN:01-130-8826

MSDS Number: BMTZM === Responsible Party ===

Company Name: UNION CARBIDE SPECIALTY POWDERS

Address:1555 MAIN STREET

Box:24184

City: INDIANAPOLIS

State:IN ZIP:46224 Country:US

Info Phone Num:317-240-2187/317-

240-2650

Emergency Phone Num:800-822-4357

CAGE:0FGH2

=== Contractor Identification ===

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 (SARA III)

CAS:7440-02-0

RTECS #:QR5950000 Fraction by Wt: 5-15%

Other REC Limits: NONE SPECIFIED

OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9192

Ingred Name: GRAPHITE, SYN

THETIC

CAS:7440-44-0

RTECS #:FF5250100 Fraction by Wt: 0.1-5%

Other REC Limits: NONE SPECIFIED

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:2 MG/M3 TDUST; 9293

Ingred Name: CHROMIUM (SARA III)

CAS:7440-47-3

RTECS #:GB4200000 Fraction by Wt: 20-30%

Other REC Limits: NONE SPECIFIED

OSHA PEL:1 MG/M3

ACGIH TLV:0.5 MG/M3; 9192

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

Ingred Name: COBALT (SARA III)

CAS:7440-48-4

RTECS #:GF8750000 Fraction by Wt: 38-72.9%

Other REC Limits: NONE SPECIFIED

OSHA PEL:0.1 MG/M3;AS CO

ACGIH TL

V:0.05 MG/M3;DUST 9293

Ingred Name:TUNGSTEN

CAS:7440-33-7

RTECS #:YO7175000 Fraction by Wt: 2-12%

Other REC Limits: NONE SPECIFIED

OSHA PEL:5 MG/M3/ 10 STEL

ACGIH TLV:5 MG/M3/10 STEL;9192

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

Routes of Entry: Inhalation:YES Skin:YES Ingestion:NO Reports of Carcinogenicity:NTP:YES IARC:YES OSHA:NO

Health Hazards Acute and Chronic:ACUTE: IRRITATING AND SENSITIZING EFFECTS. CENTRAL NERVOUS SYSTEM DEPRESSION. CHRONIC: SENS

ITIZATION,
CORNEAL DAMAGE, POLYCYTHEMIA, HYPERPLASIA OF THE TYROID GLAND, DAMAGE TO ALPHA CELLS OF THE PANCRE AS, EMPHYSEMA, WHOLE BODY LESIONS.
Explanation of Carcinogenicity:NICKEL AND CHROMIUM ARE LISTED UNDER IARC AND NTP.
Effects of Overexposure:EYES: IRRITATION. SKIN: IRRITATION, ULCERS, DRYNESS, SCALES, REDNESS. INHALATION: IRRITATION, CHEST PAINS, NAUSEA, VOMITING, DIARRHEA, BURNING SENSATION, DEPRESSION. INGESTION: NAUSEA, ABDOMINAL PAIN, VOMITING, DIARRHEA, BURNING
SENSATION, DEPRESSION. Medical Cond Aggravated by Exposure: DERMATITIS, ASTHMA, FIBROTIC PULMONARY DISEASE.
======================================
First Aid:EYES:FLUSH WITH PLENTY OF WATER.IF IRRITATION PERSISTS,SEE DOCTOR. SKIN:REMOVE CONTAMINATED CLOTHING.WASH WITH SOAP AND WATER.IF IRRITATION PERSISTS SEE DOCTOR. INHALATION:REMOVE TO FRESH AIR.GIVE CPR /OXYGEN IF NEEDED. SEE DOCTOR. INGESTION:DRINK LARGE AMOUNT OF WATER,DO NOT INDU CE VOMITING.SEE DOCTOR.
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Flash Point:NONE Extinguishing Media:SPECIAL DRY POWDER METAL EXTINGUISHING MATERIAL FOR METAL FIRES. APPROPIATE EXTINGUSHING MATERIAL FOR SURROUNDING FIRES.
Fire Fighting Procedures:WEAR FIRE FIGHTING PROTECTIVE EQUIPMENT AND A FULL FACED SELF CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER SPRAY.
Unusual Fire/Explosion Hazard:AIRBORNE METAL DUST SHOULD BE TREATE D AS
EXPLOSIVE. USE ADEQUATE VENTILATION TO MINIMIZE DANGER OF EXPLOSION.
========= Accidental Release Measures ==========
Spill Release Procedures: VENTILATE. CLEAN UP USING METHODS THAT AVOID DUST GENERATION SUCH AS VACUUM, WET DUST MOP OR WET CLEAN UP AND PLACE IN APPROPIATE DISPOSAL CONTAINER AND COVER. IF DUST IS

Handli

Respiratory Protection: USE NIOSH/MSHA-APPROVED RESPIRATOR WITH DUST CARTRIDGE IF TLV IS EXCEEDED.

Ventilation: LOCAL EXHAUST TO MAINTAIN EXPOSURE

LEVEL BELOW TLV.

Protective Gloves:PROTECTIVE GLOVES.

Eye Protection: SAFETY GLASSES W/SIDE SHIELD OR GOGGLES.

Other Protective Equipment: NONE NOTED.

Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING.DO NOT SHAKE CLOTHING.REMOVE DUST BY WASHING OR VACUUMING.

Supplemental Safety and Health

ELECTRICITY CAN CAUSE SHOCK THAT CAN KILL. ARC RAYS CAN BURN EYES AND SKIN. NOISE CAN DAMAGE HEARING. FUMES, GAS, AND DUST CAN HARM YOUR HEALTH. SPARKS DURING SPRAYING CAN BE A SOURCE OF IGNITIO N OF C

OMBUSTIBLE MATERIALS.

	Physical/Chemical Properties	
HCC:N1		

Spec Gravity:7-10

Solubility in Water: INSOLUBLE

Appearance and Odor: DUSTY POWDER. NO APPRECIABLE ODOR.

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

Stability Indicator/Materials to Avoid:YES

NONE KNOWN

Stability Condition to Avoid:NONE KNOWN.

Hazardous Decomposition Products:OXIDES, SUB-OXIDES AND COMPLEX OXIDES OF NICKEL, CARBON, CHROMIUM, COBALT AND TUNGST EN.

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

Waste Disposal Methods:NOTIFY YOUR LOCAL ENVIRONMENTAL OFFICER. KEEP IN COVERED CONTAINERS PENDING DISPOSAL.DISPOSE OF IN ACCORDANCE WITH FEDERAL.STATE AND LOCAL REGULATIONS.

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