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NIIN:00-063-5203

MSDS Number: BCWXD === Responsible Party ===

Company Name: BOB MARTIN COMPANY

Address:2209 N SEAMAN AVENUE

City:SO. EL MONTE

State:CA ZIP:91733

Info Phone Num:213-686-2220

Emergency Phone Num:213-686-2220

CAGE:JO950

=== Contractor Identification ===

Company Name: BOB MARTIN COMPANY

Address:2209 N SEAMAN AV

**ENUE** 

Box:City:SO. EL MONTE

State:CA ZIP:91733

Phone:213-686-2220

CAGE:JO950

Company Name:MARTIN BOB CO Address:2209 N SEAMAN AVE Box:City:SOUTH EL MONTE

State:CA

ZIP:91733-2630 Country:US

Phone:213-686-2220

CAGE:6K906

======= Composition/Information on Ingredients ========

Ingred Name: COBALT (SARA III)

CAS:7440-48-4

RTECS #:GF8750000 Fraction by Wt: 2.5% MAX OSHA PEL:0.1 MG/M3;AS CO

ACGIH TLV:0.05 MG/M3;DUST 9293

Ingred Name: CHROMIUM (SARA III)

CAS:7440-47-3

RTECS #:GB4200000

F

raction by Wt: 5.0% OSHA PEL:1 MG/M3

ACGIH TLV:0.5 MG/M3; 9192

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

Ingred Name: IRON OXIDE

CAS:1309-37-1

RTECS #:NO7400000 Fraction by Wt: 6.0%

OSHA PEL:10 MG/M3 (FE)

ACGIH TLV:5 MG/M3(FE),B2; 9293

Ingred Name: MANGANESE (SARA III)

CAS:7439-96-5

RTECS #:OO9275000 Fraction by Wt: 1.0% MAX

Other REC Limits: 1.0MG/M3(FUME), ACGIH

OSHA PEL:(C) 5 MG/M3 DUST ACGIH TLV:5 MG/M3 DUST 9293

Ingred Name: MOLYBDENUM

CAS:7439-98-7

RTECS #:QA4680000 Fraction by Wt: 24%

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3; 9293

Ingred Name:NICKEL (SARA III)

CAS:7440-02-0

RTECS #:QR5950000 Fraction by Wt: 63.0% OSHA PEL:1 MG/M3

ACGIH TLV:1 MG/M3; 9192

Ingred Name: SILICON

CAS:7440-21-3

RTECS #:VW0400000 Fraction by Wt: 1.0% MAX

Other REC Limits:5.0MG/M3;RESP. DUST

OSHA PEL:15 MG/M3 TDUST

ACGIH TLV:10 MG/M3 TDUST; 9293

Ingred Name: VANADIUM (SARA III)

CAS:7440-62-2

RTECS #:YW1355000 Fraction by Wt: 0.6% MAX

Other REC Limits: ABOVE FIG. FOR V\*2O\*5

OSHA PEL:C,0.5 MG V2O5/M3 RD

**ACGIH TL** 

Ingred Name: GRAPHITE, SYNTHETIC

CAS:7440-44-0

RTECS #:FF5250100 Fraction by Wt: 0.12%

OSHA PEL:15 MG/M3 TDUST ACGIH TLV:2 MG/M3 TDUST; 9293

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

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

Health Hazards Acute and Chronic:ACUTE:METALLIC TASTE,NAUSEA,CHEST

TIGHTNESS,FEVER,DIZZINESS,DRYNESS,EYES,NOSE,THROAT

IRRITATION, ALLERGIC SKIN

REACTIONS, IRRITATION & DERMATITIS.

CHRONIC:BRONCHIAL ASTHMA,LUNG FIBROSIS,PNEUMOCONIOSIS.L UNG CANCER(CR & NI EXPOSURE).CNS DEPRESSION(MN EXPOSURE),GI DISORDERS(FE EXPOSURE).

Explanation of Carcinogenicity:CHROMIUM VI IS A HUMAN CARCINOGEN. CHROMIUM III IS A SUSPECTED HUMAN CARCINOGEN. NICKEL IS A SUSPECTED HUMAN CARCINOGEN.

Effects of Overexposure:SEE HEALTH HAZARDS.

Medical Cond Aggravated by Exposure: AGGRAVATION OF EXISTING RESPIRATORY OR ALLERGIC CONDITIONS. HIGHER LEV

EL OF LUNG RELATED PROBLEMS AMONG

SMOKERS.SCREEN INDIVIDUALS WITH NERVOUS, CIRCULATORY, BLOOD OR KIDNEY CONDITIONS.

First Aid:REMOVE FROM EXPOSURE AND OBTAIN PROMPT MEDICAL ATTENTION.IF NOT BREATHING, GIVE CPR.IF UNCONSCIOUS, GIVE OXYGEN; SKIN:WASH WITH SOAP & WATER, IF IRR.PERSISTS, SEE DOCTOR; EYES:FLUSH WITH LARGE AMOUNTS OF WA TER.IF IRR.PERSISTS, SEE DOCTOR.DO NOT WEAR CONTACT LENSES; INGESTION: DRINK LARGE

QUANTITIES OF WATER.INDUCE VOMIT,SEE DOCTOR IMMEDIATELY.

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

Extinguishing Media:USE MEDIA APPROPRIATE FOR SURROUNDING FIRE.
Fire Fighting Procedures:IF THIS MATERIAL IS REDUCED TO POWDER
FORM,CAUTION MUST BE USED TO PREVENT FIRE OR EXPLOSION. TO
EXTINGUISH USE DRY SAND,DRY GRAPHITE,OR OTHER CLASS"D"EXTINGSHR
Unusual Fire/Explosion Hazard:WELDING ARCS AND SPARKS CAN IGNITE
COMBUSTIBLE PRODUCTS

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Accidental	Ralassa	Maggurae	=========	

Spill Release Procedures:IF IN SOLID FORM, SWEEP UP & PLACE IN APPROPRIATE DISPOSAL CONTAINER.IF IN POWDER FORM, VACUUM WITH HIGH EFF. PARTICULATE FILTRATION SYSTEM. MINIMIZE AIRBORNE GENERATION OF POWDER & AVOID WATER CONTAMINA TION & PLACE IN APPROPRIATE DISPOSAL CONTAINER.

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

Other Precautions:TRAIN WELDER TO KEEP HIS HEAD OUT OF THE FUMES.
MONITOR AIR TO ENSUR

E ACCEPTABLE EXPOSURES. AVOID ELECTRICAL SHOCK BY MAINTAINING DRY WORK AREA.

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

Respiratory Protection: FUME RESPIRATOR OR AIR SUPPLIED RESPIRATOR IN CONFINED SPACES OR WHERE VENTILATION DOES NOT KEEP EXPOSURE BELOW TLV.

Ventilation:LOCAL EXHAUST TO MAINTAIN BELOW TLV.

Protective Gloves: WELDER'S GLOVES

Eye Protection:HELMET OR FACE SHIELD WITH FILTER LENS Other Protective Equipment:SUBSTANTIAL DARK CLOTH,ARM PROTEC

TOR, APRON, HAT, SHOULDER PROTECTION.

Work Hygienic Practices: WASH HANDS THOROUGHLY BEFORE EATING, SMOKING, USING SANITARY FACILITIES.

Supplemental Safety and Health

MSDS INFORMATION OBTAINED FROM MSDS BY CABOT OF 01NOV85, CAGE 7T173.

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

HCC:N1

Melt/Freeze Pt:M.P/F.P Text:2400F,1316C

Spec Gravity:9.0

Solubility in Water: INSOLUBLE

Appearance and Odor:WELDING ROD,NO ODOR

Percent Volatiles by Volume: NONE

====== Stability

and Reactivity Data	==========
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Stability Indicator/Materials to Avoid:YES

MINERAL ACIDS & OXIDIZING AGENTS WHICH MAY GENERATE HYDROGEN GAS, WHICH IS EXPLOSIVE.

Hazardous Decomposition Products: FUMES OF METALS AND METAL OXIDES, CO, NO\*2, O\*3.

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

Waste Disposal Methods:DISPOSE OF FUMES,FLUX OR WELD GRINDING RESIDUE FROM THE WORK AREA OR FROM FILTERS IAW ALL APPLICABLE FEDERAL,STATE AND LOCAL REGULATIONS.

## Dis

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