

TRW CARBIDE DIVISION -- ALL TRW CARBIDE GRADES(EXCEPT NI-14 & UC-6 -- 9350-00D000781

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

Product ID:ALL TRW CARBIDE GRADES(EXCEPT NI-14 & UC-6

MSDS Date:11/25/1985

FSC:9350

NIIN:00D000781

MSDS Number: BBDHX

=== Responsible Party ===

Company Name:TRW CARBIDE DIVISION

City:ROGERS

State:AR

Country:US

Info Phone Num:501-636-1515

Emergency Phone Num:501-636-1515

CAGE:64700

=== Contractor Identification ===

Company Name:TRW CARBIDE DIVISION

Box:City:ROGERS

State:AR

Country:US

Phone:501-636-1515

CAGE:64700

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

Ingred Name:COBALT (SARA III)

CAS:7440-48-4

RTECS #:GF8750000

Fraction by Wt: 3-30%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:0.05 MG/M3

ACGIH TLV:0.05 MG/M3;DUST 9394

Ingred Name:TANTALUM CARBIDE

CAS:12070-06-3

Fraction by Wt: 0-52%

Other REC Limits:5 MG/M3

Ingred Name:CHROMIUM CARBIDE

CAS:12012-35-0

Fraction by Wt: 0-5.1%

Other REC Limits:0.5 MG/M3

Ingred Name:CHROMIUM ION (CR 3+)

CAS:16065-83-1

RTECS #:GB6261000

Fraction by Wt: 0-4.5%

Other REC Limits:NONE RECOMMENDED

OSHA PEL:1 MG/M3

ACGIH TLV:0.5 MG/M3

Ingred Name:TUNGSTEN CARBIDE

CAS:12070-12-1

RTECS #:YO7250000

Fraction by Wt: 41-97%
Other REC Limits:NONE RECOMMENDED
ACGIH TLV:5 MG/M3 AS W

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

Effects of Overexposure:IRRITATING TO SKIN,EXCESS
NOSE,THROAT;ASTHMA,COUGHING,WHEEZING,CHEST TIGHTNESS,WEIGHT LOSS.

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

First Aid:EYE:FLUSH W/COPIOUS AMOUNT OF WATER;SKIN:WASH WITH SOAP &
WATER;INHALE:REMOVE TO FRESH AIR,GIVE ARTIFICIAL RESPIRATION IF
NEEDED;ING:IF SUBSTANTIAL QUANTITIES ARE SWALLOWED,DILUTE WITH
LARGE AMOUNS OF WATER.INDUCE VOMITING,SEEK MEDICAL HELP.

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

Extinguishing Media:CO*2, FOAM, DRY CHEM & H*2O FOG.
Fire Fighting Procedures:WEAR SELF-CNTND BRTHG APP
Unusual Fire/Explosion Hazard:DUSTS MAY PRESENT A FIRE OR EXPLOSION
HAZARD UNDER RARE FAVORING CONDITIONS OF PARTICLE SIZE,IGNIT.

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

Spill Release Procedures:VENTILATE AREA OF SPILL.CLEAN UP USING METHODS
WHICH AVOID DUST GENERATION SUCH AS VACUUM.WET DUST MOP OR WET
CLEAN-UP.IF AIRBORNE DUST IS GENERATED.USE AN APPROPRIATE
NIOSH-APPROVED RESPIRATOR.

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

Handling and Storage Precautions:MAINTAIN GOOD HOUSEKEEPING PROCEDURES
TO PREVENT DUST ACCUMULATON DURING GRINDING.AVOID DUST INHALATION &
DIRECT SKIN CONTACT.

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

Respiratory Protection:IF EXCED TLV,NIOSH/MSHA APPR SELF-CNTND BRTHG
APP (POS PR MODE)
Ventilation:LOCAL EXHAUST TO ELIMINATE MISTS/FUMES/GASES.
Protective Gloves:RECOMMENDED.
Eye Protection:SAFETY GLASSES
Other Protective Equipment:NONE
Supplemental Safety and Health
MSDS DATED 11-25-85.

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

HCC:N1
Spec Gravity:11-15
Solubility in Water:INSOLUBLE
Appearance and Odor:DARK GRAY METAL,NO ODOR.

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

Stability Indicator/Materials to Avoid:YES

STRONG OXIDIZERS.STRONG ACIDS.
Stability Condition to Avoid:NONE
Hazardous Decomposition Products:NONE

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

Waste Disposal Methods:DISPOSE OF IN ACCORDANCE WITH APPROPRIATE
GOVERNMENT REGULATIONS.MAY BE SOLD AS SCRAP FOR RECLAIM.

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