

OHIO METAL WORKING PRODUCTS CO -- BRAZED TUNGSTEN CARBIDE TOOLS --  
3455-00-019-4327

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Product Identification  
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Product ID: BRAZED TUNGSTEN CARBIDE TOOLS  
MSDS Date: 11/25/1985  
FSC: 3455  
NIIN: 00-019-4327  
MSDS Number: BJPWN  
==== Responsible Party ====  
Company Name: OHIO METAL WORKING PRODUCTS CO  
Address: 2501 WINFIELD WAY NE  
City: CANTON  
State: OH  
ZIP: 44705  
Country: US  
Info Phone Num: 216-453-8438  
Emer  
gency Phone Num: 216-453-8438  
CAGE: 0BZR8  
==== Contractor Identification ====  
Company Name: OHIO METAL WORKING PRODUCTS CO  
Address: 2501 WINFIELD WAY NE  
Box: City: CANTON  
State: OH  
ZIP: 44705  
Country: US  
Phone: 216-453-8438  
CAGE: 0BZR8

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Composition/Information on Ingredients  
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Ingred Name: TUNGSTEN CARBIDE  
CAS: 12070-12-1  
Fraction by Wt: 30-97% %  
Other REC Limits: NONE SPECIFIED  
ACGIH TLV: 5 MG/M3 (AS W)

Ingred Name: COBALT (SARA III)  
CAS: 7440-48-4  
RTECS #: GF8750000  
Fraction by Wt:

2-30% %  
Other REC Limits:0.1 MG/M3  
OSHA PEL:0.1 MG/M3;AS CO  
ACGIH TLV:0.05 MG/M3;DUST 9293

Ingred Name:TANTALUM CARBIDE  
CAS:12070-06-3  
Fraction by Wt: 0.1-56%  
Other REC Limits:5 MG/M3 (AS TA)

Ingred Name:CHROMIUM CARBIDE  
CAS:12012-35-0  
Fraction by Wt: 0-10% %  
Other REC Limits:1 MG/M3 (AS CR +3)

Ingred Name:CHROMIUM (SARA III)  
CAS:7440-47-3  
RTECS #:GB4200000  
Fraction by Wt: 0-10% %  
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

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

LD50 LC50 Mixture:NOT PROVIDED BY MANUFACTURER

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:SKIN CONTACT: CAN CAUSE IRRITATION OR AN ALLERGIC SKIN RASH DUE TO COBLAT SENSITIZATION. EYE CONTACT: CAN CAUSE IRRITATION. INGESTION: SIGNIFICANT AMOUNTS OF COBALT MAY CAUSE BLOOD, HEART AND OTHER OR GAN PROBLEMS. INHALATION:

RESPIRATORY IRRITATION, TRANSIENT OR PERMANENT REPIRATORY DISEASE, OCCUPATIONAL ASTHMA.

Explanation of Carcinogenicity:NONE OF THE COMPONENTS OF THIS CARBIDE HAVE BEEN IDENTIFIED AS KNOWN OR SUSPECTED CARCINOGENS BY NTP, IARC OR OSHA.

Effects of Overexposure:INHALATION: COUGHING, WHEEZING, SHORTNESS OF BREATH, CHEST TIGHTNESS, WEIGHT LOSS, LUNG SCARRING, DEATH. SKIN: IRRITATION, RASH. EYES: IRRITATION. INGESTION: BLOOD, HEART AND OTHER ORGAN PROBLEMS.

Medical Cond Aggrav

ated by Exposure: CERTAIN PULMONARY CONDITIONS MAY BE  
AGGRAVATED BY EXPOSURE.

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

First Aid: INHALATION: REMOVE FROM EXPOSURE AND SEEK MEDICAL ATTENTION.  
SKIN CONTACT: THOROUGHLY WASH AFFECTED AREA WITH SOAP AND WATER AND  
ISOLATE FROM EXPOSURE. IF IRRITATION OR RASH PERSIST, SEEK MEDICAL  
ATTENTION. EYE CONTACT: FLUSH WITH LARGE AMOUNTS OF WATER. IF  
IRRITATION PERSISTS, SEEK MEDICAL ATTENTION. INGESTION: DILUTE  
WITH  
A LARGE AMOUNT OF WATER, INDUCE VOMITING AND SEEK MEDICAL  
ATTENTION.

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

Flash Point: NONE  
Extinguishing Media: FOR POWDER FIRES USE DRY SAND, DRY DOLOMITE, DRY  
GRAPHITE POWDER  
Fire Fighting Procedures: FOR A POWDER FIRE CONFINED TO A SMALL AREA,  
USE A RESPIRATOR APPROVED FOR DUSTS AND FUMES. FOR A LARGE FIRE,  
FIRE FIGHTERS SHOULD WEAR SCBA.  
Unusual Fire/Explosion Hazard: DUSTS MAY PRESENT A FIRE OR EXPLOSION  
  
HAZARD UNDER RARE FAVORING CONDITIONS OF PARTICLE SIZE, DISPERSION  
AND STRONG IGNITION SOURCE. NOT NORMAL.

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

Spill Release Procedures: VENTILATE AREA OF SPILL. CLEAN UP USING  
METHODS WHICH AVOID DUST GENERATION SUCH AS VACUUM (WITH  
APPROPRIATE FILTER TO PREVENT AIRBORNE DUST LEVELS WHICH EXCEED PEL  
OR TLV), WET DUST MOP OR WET CLEAN-UP.  
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

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

Handling and Storage Precautions: MAINTAIN GOOD HOUSEKEEPING PROCEDURES  
TO PREVENT DUST ACCUMULATION DURING GRINDING. AVOID DUST INHALATION  
AND DIRECT SKIN CONTACT WITH DUST.  
Other Precautions: CLEANUP USING METHODS WHICH AVOID DUST GENERATION.  
SUCH AS VACUUM (WITH APPROPRIATE FILTER TO PREVENT AIRBORNE DUST  
LEVELS WHICH EXCEED THE PEL OR TLV), WET DUST MOP OR WET CLEAN-UP.

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

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Respiratory Protection:USE AN APPROPRIATE NIOSH APPROVED RESPIRATOR IF AIRBORNE DUST CONCENTRATIONS EXCEED APPROPRIATE PEL OR TOV. ALL APPROPRIATE REQUIREMENTS SET FORTH IN 29CFR1910.134 SHOULD BE MET.

Ventilation:USE LOCAL EXHAUST VENTILATION WHICH IS ADEQUATE TO LIMIT PERSONAL EXPOSURE TO RESPIRABLE AIRBORNE SUT TO LESS THAN TLV.

Protective Gloves:PROTECTIVE GLOVES OR BARRIER CREAM

Eye Protection:SAFETY GLASSES/SIDE SHIELDS OR GOGGLES

Other Protective Equipment:NONE SPECIFIED BY MANUFACTURER

Work Hygienic Practices:WASH HANDS THOROUGHLY AFTER HANDLING, BEFORE EATING OR SMOKING. WASH EXPOSED SKIN AT THE END OF WORK SHIFT.

Supplemental Safety and Health

DO NOT SHAKE CLOTHING, RAGS OR OTHER ITEMS TO REMOVE DUST. DUST SHOULD BE REMOVED BY WASHING OR VACUUMING (WITH APPROPRIATE FILTERS) THE CLOTHING, RAGS OR OTHER ITEMS. PERIODIC MEDICAL EXAMINATIONS ARE RECOMMENDED FOR INDIVIDUALS REGULARLY EXPOSED TO DUST OR MIST.

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

HCC:N1

Boiling Pt:B.P. Text:5198F,2870C

Spec Gravity:9.5-15.5

Solubility in Water:INSOLUBLE

Appearance and Odor:DARK GREY METAL, NO ODOR

Percent Volatiles by Volume:0

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

Stability Indicator/Materials to Avoid:YES

STRONG ACIDS

Stability Condition to Avoid:NONE SPECIFIED BY MANUFACTURER

Hazardous Decomposition Products:NONE SPECIFIED BY MANUFACTURER

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

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

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