

**Hartmetall-Werkzeugfabrik Paul Horn GmbH****MSDS Safety Information****Product: Cemented Carbide P20**

MSDS Date: 20/06/2001

MSDS Num: 0001

Product ID: CEMENTED CARBIDE P20

MFN: 01

Responsible Party

Cage:

Name: Paul Horn GmbH

Address: Unter dem Holz 33-35

City: D-72072 Tübingen

Info Phone Number: 0049-7071-7004-0

Emergency Phone Number:

Review Ind: Y

Published: Y

Preparer Co. when other than Responsible Party Co.

Cage:

Name: Hartmetall-Werkzeugfabrik Paul Horn GmbH

Address: Unter dem Holz 33-35

City: D-72072 Tübingen

**Contractor Summary**

Cage:

Name: Hartmetall-Werkzeugfabrik Paul Horn GmbH

Address: Unter dem Holz 33-35

City: D-72072 Tübingen

Phone: 0049-7071-7004-0

**Ingredients**

Cas: 7440-48-4

RTECS #: GF8750000

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

% Wt: 0-13

Other REC Limits: 0.05 PPM

OSHA PEL: 0.1 MG/CUM

ACGIH TLV: 0.05 MG/CUM

Cas: 12070-06-3

RTECS #: 1002631TC

Name: TANTALUM CARBIDE

% Wt: 0-50

OSHA PEL: 5 MG/CUM

ACGIH TLV: 5 MG/CUM

Cas: 12070-08-5

RTECS #: 1002632TC

Name: TITANIUM CARBIDE

% Wt: 0-55



Cas: 12069-94-2  
RTECS #: 1002633NC  
Name: NIOBIUM CARBIDE  
% Wt: 0-8

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Cas: 12070-12-1  
RTECS #: YO7250000  
Name: TUNGSTEN CARBIDE  
% Wt: 5-94  
Other REC Limits: 5 MG(W)/M3  
ACGIH TLV: 5 MG(W)/M3

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Health Hazards Data  
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Route Of Entry Inds - Inhalation: YES  
Skin: YES  
Ingestion: YES  
Carcinogenicity Inds - NTP: YES  
IARC: YES  
OSHA: NO

Effects of Exposure: GRINDING CEMENTED MAY PRODUCE POTENTIALLY HAZARDOUS DUST WHICH CAN BE INHALED, SWALLOWED, COME IN CONTACT W/SKIN & EYES. INHALATION: NOSE & THROAT IRRITATION. POTENTIAL FOR TRANSIENT RESPIRATORY REACTION IN COBALT HYPERSENSITIZED INDIVIDUAL S. PROLONGED USE: PERMANENT/FATAL RESPIRATORY DISEASES. (SEE SUPP)

Explanation Of Carcinogenicity: SEE INGREDIENTS.

Signs And Symptions Of Overexposure: IRRITATION, PULMONARY INVOLVEMENT, ALLERGIC SKIN RASH, PAIN.

First Aid: INHALATION: REMOVE TO FRESH AIR. SKIN: THOROUGHLY WASH W/SOAP & WATER. EYES: WASH W/WATER FOR 15-20 MINS. OBTAIN MEDICAL ATTENTION IN ALL CASES.

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Handling and Disposal  
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Spill Release Procedures: VENTILATE AREA. CLEAN UP USING METHODS WHICH AVOID DUST GENERATION SUCH AS VACUUM, WET DUST MOP/CLEANUP. IF AIRBORNE DUST IS GENERATED, USE AN APPROPRIATE NIOSH APPROVED RESPIRATOR.

Waste Disposal Methods: DISPOSE OF IAW/FEDERAL, STATE & LOCAL REGULATIONS. MAY BE SOLD AS SCRAP FOR RECLAIM.

Handling And Storage Precautions: MAINTAIN GOOD HOUSEKEEPING PROCEDURES TO PREVENT DUST ACCUMULATION. DON'T USE COOLANT FOR WET CLEAN UP.

Other Precautions: AVOID DUST INHALATION, DIRECT SKIN CONTACT. DON'T SHAKE/CLOTHING, RAGS/OTHER ITEMS TO REMOVE DUST. DUST SHOULD BE REMOVED BY WASHING/VACUUMING W/APPROPRIATE FILTERS. PERIODIC MEDICAL EXAMS ARE RECOMMENDED FOR REGULAR EXPOSURE TO DUST/MIST.

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Fire and Explosion Hazard Information  
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Extinguishing Media: POWDERS, USE DRY SAND, DRY DOLOMITE, ABC TYPE FIRE EXTINGUISHER/FLOOD W/WATER.



Fire Fighting Procedures: POWDER FIRE: CONFINE TO SMALL AREA, USE A RESPIRATOR APPROVED FOR TOXIC DUSTS & FUMES. LARGE: USE SCBA.

Unusual Fire/Explosion Hazard: DUSTS MAY PRESENT A FIRE/EXPLOSION HAZARD UNDER RARE FAVORING CONDITIONS OF PARTICLE SIZE, DISPERSION & STRONG IGNITION SOURCES.

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Control Measures  
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Respiratory Protection: USE AN APPROPRIATE NIOSH APPROVED RESPIRATOR IF AIRBORNE DUST CONCENTRATIONS EXCEED THE PEL/TLV.

Ventilation: LOCAL EXHAUST VENTILATION

Protective Gloves: RECOMMENDED

Eye Protection: SAFETY GLASSES W/SIDE SHIELDS/GOGGLES.

Other Protective Equipment: BARRIER CREAM RECOMMENDED WHEN CONTACT W/DUST/MIST IS LIKELY.

Supplemental Safety and Health: HEALTH HAZARDS CONT'D: SKIN: IRRITATION/ALLERGIC RASH IN COBALT HUPERSENSITIZED INDIVIDUALS. EYES: MILD PAIN/IRRITATION.

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Physical/Chemical Properties  
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Spec Gravity: 5.4 TO 15.5

Solubility in Water: INSOLUBLE

Appearance and Odor: DARK GREY METAL W/NO ODOR.

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Reactivity Data  
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Stability Indicator: YES

Materials To Avoid: STRONG OXIDIZERS, STRONG ACIDS.

Hazardous Decomposition Products: NONE

Hazardous Polymerization Indicator: NO

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Toxicological Information  
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Ecological Information  
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MSDS Transport Information  
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Regulatory Information  
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Other Information  
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=====  
HAZCOM Label  
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Product ID: CEMENTED CARBIDE  
Cage: 5Y454  
Company Name: Hartmetall-Werkzeugfabrik Paul Horn GmbH  
Street: Unter dem Holz 33-35  
City: Tübingen  
Zipcode: 72070  
Health Emergency Phone:  
Label Required IND: Y  
Date Of Label Review:  
Status Code: C  
Label Date:  
Origination Code: G

Hazard And Precautions: GRINDING CEMENTED MAY PRODUCE POTENTIALLY HAZARDOUS DUST WHICH CAN BE INHALED, SWALLOWED, COME IN CONTACT W/SKIN & EYES. INHALATION: NOSE & THROAT IRRITATION. POTENTIAL FOR TRANSIENT RESPIRATORY REACTION IN COBALT HYPERSENSITIZED INDIVIDUAL S. PROLONGED USE: PERMANENT/FATAL RESPIRATORY DISEASES. (SEE SUPP) IRRITATION, PULMONARY INVOLVEMENT, ALLERGIC SKIN RASH, PAIN.

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