

SECTION II INGREDIENT INFORMATION is continued from the previous page.

TIN

% by Vol.: CAS No.: 7440-31-5 PEL-OSHA: 2 TLV-ACGIH: 2
TUNGSTEN CARBIDE
% by Vol.: CAS No.: 12070-12-1 PEL-OSHA: 5 TLV-ACGIH: 0.1

***** INGREDIENT HAZARD STATEMENT *****

SECTION III PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point : N/A
Specific Gravity (H2O = 1) : N/A
Melting Point: N/A
Vapor Pressure (mm Hg): N/A
Vapor Density (Air=1): N/A
Evaporation Rate (Butyl Acetate=1): N/A
Solubility/Water: N/A

***** APPEARANCE AND ODOR *****

SAW BLADE

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point: N/A
Auto-Ignition: N/A
LEL: N/A
UEL: N/A

***** NFPA HAZARD CLASSIFICATION *****
Flammable: N/A Health: N/A Reactivity: N/A Special: N/A

***** EXTINGUISHING MEDIA *****

N/A

***** SPECIAL FIRE FIGHTING PROCEDURES *****

NONE

SECTION IV FIRE & EXPLOSION HAZARD DATA is continued on the next page.

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***** UNUSUAL FIRE AND EXPLOSION HAZARDS *****

NONE PRESENT AS PRODUCT IS SOLD. DEPENDING ON MATERIAL GROUND HIGH CONCENTRATION OF FINES IN THE AIR MAY REPRESENT AN EXPLOSION HAZARD.

: SECTION V REACTIVITY DATA :

Stability? PRODUCT IS STABLE.

Avoid:

***** INCOMPATIBILITY (Materials to Avoid) *****

N/A

***** HAZARDOUS DECOMPOSITION OR BY-PRODUCTS *****

IN USE DUST WILL BE GENERATED WHICH WILL BE MADE UP OF MATERIAL BEING CUT OR GROUND. ADDITIONALLY SMALL QUANTITIES OF SAW BLADE SEGMENT MATERIAL MAY BE GIVEN OFF.

Polymerization? N/A

Avoid:

: SECTION VI HEALTH HAZARD DATA :

***** ROUTES OF ENTRY *****

Inhalation? PRIMARY
Skin? N/A
Ingestion? POSSIBLE
Eyes? N/A

***** ADDITIONAL INFORMATION *****

***** CARCINOGENICITY *****

NTP? N/A IARC? N/A OSHA? N/A

SECTION VI HEALTH HAZARD DATA is continued on the next page.

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***** ACUTE AND CHRONIC HEALTH HAZARDS *****

NONE GIVEN

***** SIGNS AND SYMPTOMS OF EXPOSURE *****

THIS PRODUCT IN THE FORM IT IS SOLD DOES NOT PRESENT AN INHALATION, SKIN CONTACT OR INGESTION HAZARD. SUBSEQUENT GRINDING AND CUTTING OPERATIONS MAY RELEASE THOSE HAZARDOUS CHEMICALS INDICATED. THE RESULT OF SUCH EXPOSURE COULD EFFECT EXPOSED WORKERS IN ONE OF MORE OF THE FOLLOWING WAYS:

COBALT - MILDLY IRRITATING TO SKIN AND EYES. MAY CAUSE ALLERGIC SENSITIVITY WITH POSSIBLE CROSS SENSITIVITY TO NICKEL AND CHROME. CHRONIC INHALATION OF DUST MAY CAUSE ASTHMA TYPE DISEASE WHICH MAY PROGRESS TO INTERSTITIAL PNEUMONIA WITH MARKED FIBROSIS. (HARD METAL DISEASE)

NICKEL - MOST COMMON AILMENT IS SKIN SENSITIZATION (NICKEL ITCH). IRRITATION OF EYES, ASTHMA PULMONARY EDEMA. POSSIBLE CANCER OF THE RESPIRATORY TRACT - NOSE AND LUNGS.

IRON - IRRITATION OF EYES, NOSE, AND THROAT, METAL FUME FEVER. CHRONIC BRONCHITIS, CONJUNCTIVITIS, & SIDEROSIS (BENIGN PNEUMOCONIOSIS)

TUNGSTEN - IRRITATION OF EYE AND RESPIRATORY TRACT.

CARBON - A NUISANCE DUST WITH IRRITATION OF THE EYES AND MUCOUS MEMBRANES.

CHROME +3 - IRRIATION OF EYES, NOSE, LUNGS, VARIOUS FORMS OF DERMATITIS, ULCERS OF HANDS, AND FOREARMS, NASAL SEPTUM PERFORATION. POSSIBLE CANCER OF THE NOSE OF LUNGS, ALTHOUGH GENERALLY NOT ASSOCIATED WITH TRIVALENT FORMS.

SILICON - POSSIBLE IRRITATION OF EYES, NOSE AND THROAT. SILICA AS SiO_2 CAN CAUSE PULMONARY FIBROSIS.

MOLYBDENUM - IRRITATION OF EYES AND MUCUS MEMBRANES. ELEMENTAL BORON HAS LOW ORDER OF TOXICITY.

COPPER - IRRITATION OF EYES AND MUCUS MEMBRANES. POSSIBLE KERATINIZATION OF THE HANDS AND FEET, METAL FUME FEVER, POSSIBLE ULCERATION OF NASAL SEPTUM. CHRONIC INTOXICATION USUALLY LIMITED TO INDIVIDUALS WITH WILSON'S DISEASE.

TIN - IRRITATION OF EYES AND MUCUS MEMBRANES. EXPOSURE TO DUST MAY CAUSE STANNOSIS (BENIGN PNEUMOCONIOSIS).

***** MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE *****

NONE LISTED

SECTION VI HEALTH HAZARD DATA is continued on the next page.

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***** EMERGENCY AND FIRST AID PROCEDURES *****

INHALATION - IF SYMPTOMS OF PULMONARY INVOLVEMENT DEVELOP (COUGHING, SNEEZING, ETC.), REMOVE FROM EXPOSURE AND SEEK MEDICAL ATTENTION.

EYES - IF IRRITATION OCCURS, FLUSH WITH LARGE AMOUNTS OF WATER. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

SKIN - IF IRRITATION OR RASH OCCURS, THOROUGHLY WASH AFFECTED AREA WITH SOAP AND WATER AND ISOLATE FROM EXPOSURE. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

SECTION VII PRECAUTIONS FOR SAFE HANDLING AND USE

DOT Classification: N/A

***** STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED *****

NONE

***** WASTE DISPOSAL METHOD *****

N/A

***** PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE *****

PRIMARY DUST EXPOSURE HAZARD IS DUE TO SURFACE BEING CUT OR GROUND. THEREFORE PRECAUTIONARY STEPS SHOULD BE TAKEN TO INSURE THAT WORKER EXPOSURE TO SURFACE MATERIALS ARE WITHIN HYGIENE GUIDELINES.

***** OTHER PRECAUTIONS *****

NONE LISTED

SECTION VIII CONTROL MEASURES

***** RESPIRATORY PROTECTION *****

USE AN APPROPRIATE NIOSH APPROVED RESPIRATOR IF AIRBORNE DUST CONCENTRATIONS EXCEED THE APPROPRIATE PEL OR TLV. FOLLOW REQUIREMENTS SET FORTH IN 29CFR 1910.134.

***** VENTILATION *****

Local Exhaust: TO INSURE EXPOSURES DO NOT EXCEED PEL OR TLV.
Special Exhaust: N/A

SECTION VIII CONTROL MEASURES is continued on the next page.

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Mechanical Exhaust: N/A

***** OTHER PROTECTION *****
GENERAL

Gloves: RECOMMENDED
Eye Protection: SAFETY GLASSES WITH SIDE SHIELDS OR GOGGLES RECOMMENDED

***** CLOTHING *****

NONE LISTED

***** WORK/HYGIENE PRACTICES *****

NONE LISTED

**** SARA HAZARD CATEGORIES ****

FIRE HAZARD _____ SUDDEN RELEASE OF PRESSURE _____
IMMEDIATE (ACUTE) HEALTH HAZARD _____ DELAYED (CHRONIC) HEALTH HAZARD _____
REACTIVITY HAZARD _____

Conversion Value to Pounds :
Chemical Descriptor: METAL BOND DIAMOND SAW BLADES & CORE DRILL
RQ (Reportable Quantity):

THIS IS THE END OF THE MSDS Id #MNT0135