



SAFETY DATA SHEET

MK DIAMOND PRODUCTS, INC.
1315 STORM PARKWAY
TORRANCE, CA 90501
P: 800-421-5830
F: 310-539-5158

SECTION 1. IDENTIFICATION

PRODUCT IDENTIFIER

DIAMOND BLADES (METAL BONDED AND ELECTROPLATED), DIAMOND CORE BITS, DIAMOND CUP WHEELS AND DIAMOND GRINDING DISKS

RECOMMENDED USE

GRINDING, CUTTING AND DRILLING OF MASONRY AND CONCRETE PRODUCTS

MANUFACTURER / DISTRIBUTOR

MK DIAMOND PRODUCTS, INC.
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TORRANCE, CA 90501
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EMERGENCY PHONE NUMBER

310-257-2825

SECTION 2. HAZARDS IDENTIFICATION

PRECAUTIONARY STATEMENTS

AVOID INHALATION OF DUSTS AS WELL AS PROLONGED AND REPEATED CONTACT WITH SKIN. MOST DIAMOND TOOLS ARE USED ALONG WITH WATER TO KEEP BLADES COOL AND TO DECREASE AIRBORNE CONTAMINANTS. FOR DRY SAWING AND GRINDING, MAINTAIN ADEQUATE VENTILATION OR USE LOCAL EXHAUST.

DESCRIPTION OF HAZARDS

DUST CREATED BY GRINDING AND/OR SAWING CAN CAUSE IRRITATION TO EYES, NOSE, THROAT AND SKIN. LONG TERM OVEREXPOSURE TO DUSTS CAN LEAD TO RESPIRATORY IMPAIRMENT. GRINDING OR SAWING MAY PRODUCE AN ELEVATED NOISE WHICH CAN AFFECT HEARING. PARTICLES OF VARIOUS SIZE EJECTED DURING GRINDING OR SAWING MAY POSE IMPACT HAZARDS TO EYES AND SKIN.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE DESCRIPTION	CAS#
DIAMOND	7782-40-3
NICKEL	7440-02-0
COBALT	7440-48-4
IRON	7439-89-6
COPPER	7440-50-8
TIN	7440-31-5
TUNGSTEN CARBIDE	12070-12-1
MANGANESE	7439-96-5

SECTION 4. FIRST AID MEASURES

INHALATION

IF SYMPTOMS DEVELOP (COUGHING, WHEEZING, SHORTNESS OF BREATH, ETC), REMOVE FROM EXPOSURE AND OBTAIN MEDICAL ASSISTANCE, AS NEEDED.

SKIN CONTACT

IF IRRITATION OCCURS, WASH AFFECTED AREAS WITH SOAP AND WATER. OBTAIN MEDICAL ASSISTANCE, AS NEEDED.

EYE CONTACT

IF IRRITATION OCCURS, FLUSH WITH LARGE AMOUNTS OF WATER. OBTAIN FIRST AID AND MEDICAL ASSISTANCE, AS NEEDED.

INGESTION

OBTAIN MEDICAL ASSISTANCE.

SECTION 5. FIRE FIGHTING MEASURES

SUITABLE (AND UNSUITABLE) EXTINGUISHING MEDIA: N/A

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL: N/A

SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS: N/A

SECTION 6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTION, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES: N/A

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP: CLEAN-UP: N/A

SECTION 7. HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

MAINTAIN GOOD HOUSEKEEPING PRACTICES TO PREVENT ACCUMULATION OF DUST.

CONDITIONS FOR SAFE STORAGE

STORE BLADES, BITS, WHEELS AND DISK IN A DRY LOCATION.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS

CHEMICAL NAME	OSHA PEL	ACGIH TLV (mg/m ³)
DIAMOND	N/A	N/A
NICKEL	1.0 mg/m ³	1.5 mg/m ³
COBALT	0.1 mg/m ³	0.02 mg/m ³
IRON	N/A	N/A
COPPER	0.1 mg/m ³	0.2 mg/m ³
TIN	2.0 mg/m ³	2.0 mg/m ³
TUNGSTEN CARBIDE	5.0 mg/m ³	5.0 mg/m ³
MANGANESE	5.0 mg/m ³	0.2 mg/m ³

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APPROPRIATE ENGINEERING CONTROLS

AVOID INHALATION OF DUSTS AS WELL AS PROLONGED AND REPEATED CONTACT WITH SKIN. DURING SAWING OR GRINDING, MAINTAIN ADEQUATE VENTILATION OR USE LOCAL EXHAUST FOR DUST CONTROL. HANDLE IN ACCORDANCE WITH GOOD INDUSTRIAL HYGIENE AND SAFETY PRACTICE. WASH HANDS BEFORE BREAKS AND AT THE END OF WORKDAY.

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION

WEAR NIOSH APPROVED RESPIRATOR IF AIRBOURNE DUST CONCENTRATIONS EXCEED PEL OR TLV LEVELS.

SKIN PROTECTION

NOT NORMALLY REQUIRED. PROTECTIVE CLOTHING AND GLOVES MAY BE WORN TO LIMIT CONTACT.

EYE PROTECTION

USE NIOSH APPROVED FACE SHIELD OR SAFETY GLASSES.

HEARING PROTECTION

WEAR APPROVED HEARING PROTECTOR WHERE NOISE LEVELS DURING SAWING AND GRINDING EXCEED OSHA PRESCRIBED LEVELS.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: SOLID

ODOR: ODORLESS

ODOR THRESHOLD: N/A

PH: N/A

MELTING POINT: 1166-2192F

BOILING POINT: N/A

FLASH POINT: N/A

EVAPORATION RATE: N/A

FLAMMABILITY: N/A

UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS: N/A

VAPOR PRESSURE: N/A

VAPOR DENSITY: N/A

SPECIFIC GRAVITY: 7.8 - 12.4

SOLUBILITY IN WATER: INSOLUBLE

PARTITION COEFFICIENT: N/A **AUTO-IGNITION TEMP:** N/A **DECOMPOSITION TEMP:** N/A

VISCOSITY: N/A

SECTION 10. STABILITY AND REACTIVITY

REACTIVITY: NO DATA AVAILABLE

CHEMICAL STABILITY: STABLE UNDER NORMAL USE AND STORAGE CONDITIONS.

PASSIBILITY OF HAZARDOUS REACTIONS: NO DATA AVAILABLE

CONDITIONS TO AVOID: KEEP AWAY FROM HUMIDITY AND EXCESSIVE HEAT

INCOMPATIBLE MATERIALS: STRONG ACIDS AND OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION PRODUCTS: NONE

SECTION 11. TOXICOLOGICAL INFORMATION

COMPONENT INFORMATION

CHEMICAL NAME	LD50 TOXICITY	CARCINOGEN*
DIAMOND	MOUSE – 10,000 mg/kg	N
NICKEL	NO DATA AVAILABLE	Y
COBALT	RAT – 6,171 mg/kg	N
IRON	RAT – 7,500 mg/kg	N
COPPER	MOUSE – 3.5 mg/kg	N
TIN	RAT - >2,000 mg/kg	N
TUNGSTEN CARBIDE	RAT – 2,000 mg/kg	N
MANGANESE	RAT – 9,000 mg/kg	N

*PER NATIONAL TOXICOLOGY PROGRAM 13TH REPORT ON CARCINOGENS, OCT 2, 2014.



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ROUTES OF ENTRY

ROUTE OF ENTRY, INHALATION: YES

ROUTE OF ENTRY, SKIN: NO

ROUTE OF ENTRY, INGESTION: NO

SYMPTOMS OF EXPOSURE

ACUTE: IRRITATION, COUGHING, WHEEZING, SHORTNESS OF BREATH

DELAYED / CHRONIC: RESPIRATORY CONDITIONS

SECTION 12. ECOLOGICAL INFORMATION

PRODUCTS HAVE NO ECOLOGICAL EFFECTS WHEN PROPERLY USED AND STORED. AN ENVIRONMENTAL HAZARD CANNOT BE EXCLUDED IN THE EVENT OF UNPROFESSIONAL HANDLING OR DIAPOSAL. NO DATA AVAILABLE.

SECTION 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL

USE STANDARD LANDFILL METHODS CONSISTENT WITH APPLICABLE FEDERAL, STATE, PROVINCIAL AND LOCAL LAWS.

SECTION 14. TRANSPORT INFORMATION

NO SPECIFIC REGULATIONS FOR TRANSPORTATION ARE REQUIRED. MAKE SURE TO PROTECT PRODUCTS FROM DAMAGE DURING TRANSPORTATION.

SECTION 15. REGULATORY INFORMATION

CALIFORNIA PROP. 65 COMPONENTS

WARNING! THIS PRODUCT CONTAINS A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER. COBALT CAS-NO. 7440-48-4, NICKEL CAS-NO. 7440-02-0, REVISION DATE 2007-09-28

SECTION 16. OTHER INFORMATION

SDS REVISION DATE: AUGUST 11, 2017

REASON FOR UPDATE: MANDATED UPDATE

DISCLAIMER

THE INFORMATION AND RECOMMENDATIONS SET FORTH HEREIN ARE TAKEN FROM SOURCES BELIEVED TO BE ACCURATE AS OF THE DATE HEREOF; HOWEVER, THE COMPANY MAKES NO WARRANTY WITH RESPECT TO THE ACCURACY OF THE INFORMATION OR THE SUITABILITY OF THE RECOMMENDATIONS, AND ASSUMES NO LIABILITY TO ANY USER THEREOF.