

QUALITY TOOLS
EASY TO USE
EASY TO WORK

UKAM Industrial Superhard Tools

Division of LEL Diamond Tools International, Inc.

Material Data Safety Sheet

Diamond Tools

- Industrial
- Commercial
- Consumer

MANUFACTURER'S NAME: UKAM Industrial Superhard Tools

ADDRESS: 25345 Avenue Stanford, Unit 211 Valencia, CA 91355

SPECIFICATION: Diamond or Cubic Boron Nitride. Sintered (Metal Bonded), Electroplated, Diamond Deposition, HYBRID Bond Diamond Blades, Wheels, Core Drills, Segmented Wheels, Grinding Heads, Generator Wheels, and other diamond products.

CONTACT: UKAM Industrial Superhard Tools

EMERGENCY TELEPHONE NUMBER: (661) 257-2288

CHEMICAL FAMILY OR PRODUCT TYPE: Metallurgical

CHEMICAL AND COMMON NAME: The ingredients or composition of this product is considered a trade secret. Specific ingredients in this product will be revealed to qualified health professional.

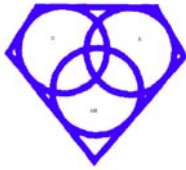
REG Y/N: Y

OSHA PERMISSIVE EXPOSURE LIMIT: 0.1 mg/m³

ACGIH TLV: 0.1 mg/m³

Carcinogen Y / N: Y

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BOILING POINT: N/A **VAPOR PRESSURE:** N/A **EVAPORATION RATE:** N/A

SOLUBILITY IN OTHER SOLVENT: Soluble in strong mineral acids

MELTING POINT: 630 degrees 'C', 1200 degrees 'C'

PERCENT VOLATILE BY VOLUME: 0

SOLUBILITY IN WATER: Insoluble

APPEARANCE AND ODOR: solid Metal Gray or Gold in Appearance Odorless

SPECIFIC GRAVITY: Varies 6-14 g/cm³

VAPOR DENSITY: N/A

SOLUBILITY IN ALCOHOL: Insoluble

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: None

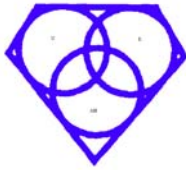
OTHER PRECAUTIONS: NAIF

STABILITY: is stable

POLYMERIZATION: may not occur

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DECOMPOSITION PRODUCTS: In use, dust and decomposing organic fumes are generated. In most cases, the material removed from the work piece will be significantly greater than the grinding wheel components, coolants may produce other decomposition products.

CONDITIONS TO BE AVOIDED: NAIF

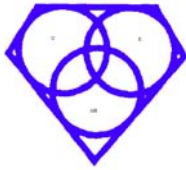
INCOMPATABILITY (MATERIALS TO AVOID): NAIF

PRIMARY ROUTES OF ENTRY:	ACUTE AND CHRONIC HEALTH EFFECTS OF OVEREXPOSURE	FIRST AID AND MEDICAL INFORMATION
INHALATION (DURING GRINDING)	Active: Coughing, shortness of breath Chronic: Affects breathing capacity	Remove to fresh air, obtain medical assistance, as needed
INGESTION (DURING GRINDING)	No known cases of blades, wheels, & other tools being ingested. Ingestion not recommended	Obtain medical assistance
SKIN (DURING GRINDING)	Dust may cause skin irritation	Wash affected areas with soap and water. Obtain assistance.
EYES (DURING GRINDING)	Dust may irritate eyes	Wash with large amounts of water obtain first aid & medical assistance
OTHER POTENTIAL HEALTH RISKS (DURING GRINDING)	cutting may cause elevated sound levels which may affect hearing.	Obtain medical assistance

NORMAL STORAGE AND HANDLING: see ANSI Standard B7.1

NORMAL USE: Handle with adequate ventilation, see OSHA 29CFR1910.94 (Ventilation) and 29CFR 1910.1000 (Air Contaminates).

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STEPS TO BE TAKEN IN CASE OF LEAKS OR SPILLS: Normal Clean-up Procedures.

WASTE DISPOSAL METHOD: Standard landfill methods consistent with applicable Federal, State, and local laws products with listed fluorides may have slightly soluble fluoride swarf.

VENTILATION: Local **MECHANICAL (GENERAL):** Recommended

Measures to be taken during repair and maintenance of contaminated equipment that has been in contact with this material. See Sections VII & VIII.

PROTECTIVE GLOVES: As desired by user

EYE PROTECTIVE: Recommended See OSHA 29CFR 1910.133

OTHER EQUIPMENT: As needed: Hearing Protection See OSHA 29CFR 1910.215
(Hearing Protection)

FLASH POINT: NAIF **METHOD USED:** N/A **FLAMMABLE LIMITS:** N/A

EXTINGUISHING MEDIA: use water **EXPLOSION POTENTIAL:** NAIF

SPECIAL FIRE FIGHTING PROCEDURES: None

DISCLAIMER: The information and recommendations set forth herein, are taken from sources believed to be accurate as of the date herein however UKAM Industrial Superhard Tools 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.