

MATERIAL SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

SUPPLIER: METPREP LTD.
CURRIERS CLOSE
CHARTER AVENUE
COVENTRY CV4 8AW

TELEPHONE: PRODUCT INFORMATION: 024 7642 1222

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CHEMICAL NAME:

PRODUCT: DIAMOND WAFERING BLADE

PRODUCT NUMBERS: Various

IMPORTANT NOTICE Diamond abrasives are inert products, which do not create any risk when handled or stored. When used on cutting machines they require specific measures to protect operators. During cutting operations 95% or more of the particulate of dust come from the material being cut and, for wet cutting, from aerosols generated by the cutting fluid. Specific attention must therefore be given to the nature of the part and of the fluid and the appropriate protection devices must be installed.

2. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NATURE: Natural or synthetic diamond with resin, metal or vitified bonds

INGREDIENT (S):	CAS NUMBER:	%	OSHA LIMIT	ACGIH TLV	CARCINOGEN
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3. HAZARDS IDENTIFICATION

If handled and used for abrasive cutting purposes as indicated, the substance presents no critical hazards to man. EC Directive No 88/379.

4. FIRST AID MEASURES

GENERAL INFORMATION: In all cases of doubt, or when symptoms persist, seek medical attention.

INHALATION: In dry applications, abrasive products may generate nuisance dust. There may therefore be a requirement for local exhaust ventilation and/or respiratory protection. Exposure to this dust should be adequately controlled and personal exposure kept below 10 mg m⁻³ 8 hour TWA total inhalable dust, or 5 mg m⁻³ 8-hour TWA respirable dust. In addition, the airborne concentration of the material should be considered.

SKIN: Should irritation occur, seek medical attention.

EYE: Dust may cause irritation. Abrasive grit in the eyes may cause damage and eye protection is required. In case of grit in the eyes, seek medical/ophthalmic advice.

INGESTION: NA.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use any standard extinguishing media.

UNSUITABLE EXTINGUISHING MEDIA:

FIRE FIGHTING PROTECTIVE EQUIPMENT: A self-contained breathing apparatus and suitable protective clothing should be worn in fire conditions.

FURTHER INFORMATION:

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PECAUTIONS: NA

ENVIRONMENTAL PRECAUTIONS: NA

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METHODS OF CLEANING UP: NA

7. HANDLING AND STORAGE

HANDLING: Take measures to ensure against mechanical damage. Avoid impacts.

STORAGE: Store in a dry area 10 -30 ° C and less than 65% relative humidity. Avoid extremes of temperature & humidity.

INDUSTRIAL HYGIENE PRACTICES: Wash face and hands thoroughly with the soap and water after use and before eating, drinking, smoking or applying cosmetics.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Respiratory protection: Approved dust respirators may be required depending on airborne dust concentration.

Hand protection: No specific protection required under normal conditions

Eye protection: Wear suitable goggles

Skin protection: No specific protection required under normal conditions

Hearing Protection: Should be used at all times.

Hazardous substances with occupational exposure limits:

CAS-No	Material	Content (% weight)	Long term exposure limit mg m ⁻³
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9. PHYSICAL AND CHEMICAL PROPERTIES

FORM:	Solid
COLOUR:	
ODOUR:	None as supplied.
PH	NA at 20 ° C
BOILING POINT:	NA ° C
MELTING POINT:	NA ° C
THERMAL DECOMPOSITION:	NA ° C
IGNITION TEMPERATURE:	NA ° C
VAPOUR PRESSURE:	NA at 20 ° C
SPECIFIC GRAVITY:	2 - 4 g/cm ³
BULK DENSITY:	NA kg/m ³
WATER SOLUBILITY:	Slight
MISCIBILITY WITH WATER:	NA
VISCOSITY:	NA at 25 ° C

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: No hazardous reactions known. Excessive heat and humidity.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong acids, strong bases & strong oxidising agents may modify the mechanical characteristics of the product and create safety hazards when used on machines.

HAZARDOUS DECOMPOSITION PRODUCTS: If wheels are used in accordance with instructions no hazardous decomposition products are created.

