

SAFETY DATA SHEET

SECTION -1- PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: CUT-OFF-WHEEL 1025,1035,30,40
TRADE NAME : MICROSTAR

DISTRUBUTOR'S NAME: MICRO STAR 2000 INC. **EMERGENCY PHONE NUMBER:** 905-660-1754
DISTRUBOTOR'S ADDRESS: 225 Bradwick Drive, Unit 21
Concord, Ontario, Canada
L4K 1K7

SECTION 2- COMPOSITION / INFORMATION ON INGREDIENTS

Product Identification:

AN: 153018/02
Size: T41-250X1.5X32
Quality: A80 J-B107P-63M/S
Abrasive: Synthetic Aluminum Oxide:
Bond: Polymerized synthetic resin
Organic
Bond fillers: Halogens compounds
Oxides:
WHMIS: Not controlled under WHMIS (Canada)

SECTION 3- HAZARDOUS INGREDIENTS/IDENTITY

HAZARDOUS COMPONENTS	OSHA PEL	ACGIH TLV	OTHER LIMITS	EXPOSURE% (OPT--IONAL)	CAS NO
PHENOLIC RESIN	---	---	---	15%	---
ALUMINIUM OXIDE	---	---	---	---	1344—28—1
OXIDE ALUMINA			---	85%	409—21--1

SECTION 4- FIRST AID MEASURES

NOT APPLICABLE WHEN BONDED ABRASIVES PRODUCTS ARE IN USE ON MACHINES.

The following recommendations are basic rules during a grinding operation, they must be completed by the information appearing in the safety data sheets of the material ground and of the grinding fluid when used.

Dust inhalation: Remove from exposure, seek medical assistance if symptoms persist.
Eye: Remove from exposure and flush with clean water. If symptoms persist seek medical advice.
Skin: No hazardous effect known.
Ingestion: No hazardous effect known.

SECTION 5- FIRE & EXPLOSION DATA

FLASH POINT: N/A

FLAMMABLE LIMITS IN AIR % BY VOLUME: LEL LOWER: N/A LEL UPPER: N/A

AUTO-IGNITION TEMPERATURE: N/A

FIRE FIGHTING MEASURES (None specific): Water mist, powder, foam, sand, CO2; can be used if compatible with operating conditions

UNUSUAL FIRE AND EXPLOSION HAZARDS: May develop phenol and formaldehyde fumes when burned.

SECTION 6- ACCIDENTAL RELEASE MEASURE

Not Applicable

SECTION 7- HANDLING AND STORAGE

Precautions to be taken in handling and storage: use cutting liquid. Particles from the cutting process should frequently be cleaned away from the sieve.

The following recommendations should be followed to prevent damages to bonded abrasives that may create risk of rupture when in use.

- Fragile products; handle and store with care
- Store at moderate temperature and humidity
- Avoid excessive heat, humidity or thermal shock that may mechanically weaken products and create safety hazards when used on machines.
- For detailed recommendations refer to the FEPA Safety leaflets: "General" and "Portable".
- Storekeeping according to EN 12413:1999/A22.

SECTION 8- ENGINEERING CONTROL AND PERSONAL PROTECTION

NOT APPLICABLE WHEN BONDED ABRASIVES ARE HANDLED OR STORED.

When using abrasive products, refer to grinding machines instructions and to the rules to prevent accidents in the work place. For safe use of boned abrasives refer to the FEPA SAFETY CODE and LEAFLETS and national regulations.

The following personal protective equipment should be used dependent on the operation and the material being ground:

Eye protection: Machine guarding and safety goggles or face shield.

Dust protection: Use of dust mask.

Hand protection: Use of barrier cream or protective gloves.

Ear protection: Use of earmuffs or equivalent.

Skin protection: Use of suitable protective clothing.

Hygiene measures: No specific requirements

SECTION 9- PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Solid
Color:	Variable
Odour:	Not applicable (May Give off non specific odor in use)
pH:	Not applicable
Change of physical state:	Not applicable
Density:	Depending upon product: 0,8-3,5 g/cm ³
Bulk density:	Not applicable
Vapor pressure:	Not applicable
Flash point:	Not applicable
Explosion properties:	Not applicable
Viscosity:	Not applicable
Solubility in water:	Not defined

SECTION 10- STABILITY AND REACTIVITY

Bonded abrasives are stable and non-reactive when handled or stored.

Conditions to avoid:	excessive heat or humidity
Materials to void:	Strong acids, strong bases and strong oxidizing agents may modify the mechanical characteristics of the products and create safety hazards when used on machines.
Hazardous decomposition products:	If bonded abrasives are used in accordance with instructions, no hazardous decomposition
Other indications:	None

SECTION 11- TOXICOLOGICAL INFORMATION

NOT APPLICABLE WHEN HANDELED OR STORED.

According to the experience gathered for many years, the bonded abrasives, when properly used have adverse effect on health, refer to the preliminary note about dust and aerosols.

SECTION 12- ECOLOGICAL INFORMATION

Mobility

When the bonded abrasives are used, the grinding debris is easily retained within fixed machines or with appropriate screens for portable grinding operations.

Persistence and degradability: Not biodegradable

Bio-accumulative potential: Not applicable

Ecotoxicity: Not applicable

SECTION 13- DISPOSAL CONSIDERATIONS

After use bonded abrasives may be contaminated with hazardous materials (particles of material ground or cooling agents) and should be disposed of in accordance with national and local regulations.

SECTION 14- TRANSPORT INFORMATION

Bonded abrasives are not dangerous products and no specific regulations for transportation are required. Protect from rain and excessive temperature and humidity.
No special precautions necessary other than to insure that no damage to the product occurs.

SECTION 15- Regulatory Information

EC Regulations: None, no specific marking required under EC directive N° 88/379.
National or local regulations: Refer to relevant texts.

SECTION 16- OTHER INFORMATION

Warning!

The above indications are based on the existing practice and do not constitute a guarantee. Laws And Regulations must be strictly followed by the users who remain responsible for the use of the bonded abrasives.

SECTION 17 – PREPARATION OF SAFETY DATA SHEET

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