

# MATERIALS SAFETY DATA SHEET

## SECTION -1- PRODUCT IDENTIFICATION AND USE

**PRODUCT IDENTIFIER:** CUT-OFF-WHEEL 1035-04/05/15/25  
**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:** 142196/ 01  
**Size:** 350 mm / 14 inch X 2.2 X 32  
**Quality:** A80 J-B107-63M/S  
**Abrasive:** Synthetic Aluminum Oxide:  
**Bond:** Polymerized synthetic resin  
Organic  
**Bond fillers:** Halogens compounds  
Oxides:  
**WHMIS:** Not controlled under WHMIS (Canada)

## SECTION 3- HAZARDS IDENTIFICATION

**Not Applicable.**

Bonded abrasives are not dangerous products as defined in EC Directive N 88/379.

## 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 clear water. If symptoms persist seek medical advice.  
**Skin:** No hazardous effect known.  
**Ingestion:** No hazardous effect known.

## SECTION 5- FIRE FIGHTING MEASURES

**None specific:** Water, powder, foam, sand, CO<sub>2</sub>; can be used if compatible with operating conditions

## SECTION 6- ACCIDENTAL RELEASE MEASURE

Not Applicable

## SECTION 7- HANDLING AND STORAGE

The following recommendations should be followed to prevent damages to bonded abrasives which 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 which 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 12413:19999/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

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

## SECTION 10- STABILITY AND REACTIVITY

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

<b>Conditions to avoid:</b>	excessive heat or humidity
<b>Materials to void:</b>	Strong acids, strong bases and strong oxidizing agents may modify the mechanical characteristics of the products and create safety hazards when used on machines.
<b>Hazardous decomposition products:</b>	If bonded abrasives are used in accordance with instructions, no hazardous decomposition
<b>Other indications:</b>	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 grindign debris is easily retained within fixed machines or with appropriate screens for portable grinding operations.

**Persistence and degradability:** Not biodegradable

**Bioaccumulative 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 then 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 MATERIALS SAFETY DATA SHEET

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