

# MICRON RESEARCH CORPORATION

## SAFETY DATA SHEET

[Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II]

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

#### IDENTIFICATION of the SUBSTANCE/PREPARATION

Product: Graphite, Synthetic  
Product Name: E-888, E-900, E-940, E-970  
Product Type: Solid  
Use of the substance/  
preparation: Electrical Discharge Machining electrodes, semiconductor tooling, and various others

#### COMPANY/UNDERTAKING IDENTIFICATION

Supplier/Manufacturer: Micron Research Corporation  
13746 Route 120  
P.O. Box 269  
Emporium, PA 15834  
U.S.A.  
Email address of person:  
responsible for this SDS: [sales@micronresearch.net](mailto:sales@micronresearch.net)  
Emergency telephone number: 814-486-2444 (Office hours EST)

### 2. HAZARDOUS IDENTIFICATION

This product is not classified as dangerous according to directive 1999/45/EC and its amendments.

CLASSIFICATION: Not classified

**See section 11 for more detailed information on health effects and symptoms**

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE/PREPARATION: Mono-constituent substance

There are no additional ingredients present which, within the current knowledge of the manufacturer, in the concentrations applicable, are classified as hazardous to health or the environment and therefore require reporting in this section.

### 4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If not breathing, administer artificial respiration. Seek medical attention if symptoms are observed.

Skin Contact: Wash with soap and water. Seek medical attention if symptoms are observed.

Eye Contact: Remove contact lenses if applicable. Flush with water if irritation from dust occurs. Seek medical attention if symptoms are observed.

Ingestion: Rinse mouth with water only if conscious. Do not induce vomiting. Seek medical attention if symptoms are observed.

## 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

Suitable: Use an extinguishing media suitable for the surrounding fire.  
Not suitable: None known

Special Exposure Hazards: No specific fire or explosion hazards

Hazardous thermal decomposition products: Decomposition products may include the following substances:  
Carbon monoxide  
Carbon dioxide

Special protective equipment for fire fighters: Full protective equipment with self-contained breathing apparatus with full face protection.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Minimize exposure to dust

Environmental precautions: Avoid discharge into soil, waterways, drains and sewers. Refer to Section 13 for waste disposal.

Methods for cleaning up: Sweep up or vacuum material and place in a designated, labeled waste receptacle. For waste disposal see Section 13.

## 7. HANDLING AND STORAGE

Handling: Use appropriate personal equipment, as recommended in Section 8. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin or clothing. Keep in original container or an approved alternative container made from a compatible material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage: Store graphite blocks in stable condition. Store and remove dust in a closed container.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### EXPOSURE LIMIT VALUES

France: No exposure limit value known  
Germany: No exposure limit value known  
Italy: No exposure limit value known  
The Netherlands: No exposure limit value known  
Portugal: No exposure limit value known  
Spain: No exposure limit value known

### EXPOSURE CONTROLS

Occupational exposure controls: No special ventilation requirements.

Respiratory protection: Not needed under normal product use.

Hand protection: Not needed under normal product use.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (CONTINUED)

### EXPOSURE CONTROLS

Eye protection:	Safety glasses are recommended when machining material.
Skin protection:	No special protective clothing is required.
Hygiene measures:	Wash hands and face after handling compounds and before eating, drinking or smoking.
Environmental exposure controls:	Ventilation or work process equipment emissions should be checked to ensure they comply with the requirements of applicable legislation. Filters or engineering modifications to process equipment may be necessary to reduce emissions to acceptable levels.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### GENERAL INFORMATION

#### Appearance

Physical state:	Solid
Color:	Black or gray
Odor:	None
Odor threshold:	Not applicable

#### Important health, safety and environmental information

Melting point:	None
Relative density:	1.5 to 2.2 g/cc
Solubility:	Insoluble in water

## 10. STABILITY AND REACTIVITY

Stability:	The product is stable.
Conditions to avoid:	No known conditions
Materials to avoid:	Reactive or incompatible with the following materials: Oxidizing materials
Hazardous decomposition products:	Hazardous decomposition products should not be produced under normal conditions of use or storage.

## 11. TOXICOLOGICAL INFORMATION

### POTENTIAL ACUTE HEALTH EFFECTS

Inhalation:	No known significant effects or critical hazards
Ingestion:	No known significant effects or critical hazards
Skin contact:	No known significant effects or critical hazards
Eye contact:	No known significant effects or critical hazards

### POTENTIAL CHRONIC HEALTH EFFECTS

#### Reproductive toxicity

Chronic effects:	No known significant effects or critical hazards
Carcinogenicity:	No known significant effects or critical hazards
Mutagenicity:	No known significant effects or critical hazards
Teratogenicity:	No known significant effects or critical hazards
Developmental effects:	No known significant effects or critical hazards
Fertility effects:	No known significant effects or critical hazards

## 11. TOXICOLOGICAL INFORMATION (CONTINUED)

### OVER-EXPOSURE SIGNS/SYMPTOMS

Inhalation:	No specific information
Ingestion:	No specific information
Skin:	No specific information
Eyes:	No specific information

## 12. ECOLOGICAL INFORMATION

Ecotoxicity:	No known significant effects or critical hazards
Mobility:	Product is not hazardous to water
Other adverse effects:	No known significant effects or critical hazards

## 13. DISPOSAL CONSIDERATIONS

Methods of disposal:	Disposal of this product should comply at all times with all applicable environmental and waste disposal legislation as well as any regional authority requirements.
Hazardous waste:	Within the current knowledge of the manufacturer, this product is not regarded as hazardous waste as defined by EU Directive 91/689/EEC.

## 14. TRANSPORT INFORMATION

### INTERNATIONAL TRANSPORT REGULATIONS

ARD / RID / IMDG / IATA Classes:	Not regulated by any mode of transport
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## 15. REGULATORY INFORMATION

Classification and labeling have been determined with respect to EU Directives 67/548/EEC and 1999/45/EC and take into account the intended product use.

## 16. OTHER INFORMATION

None