

SAFETY DATA SHEET

SECTION 1 – PRODUCT IDENTIFICATION AND USE

PRODUCT IDENTIFIER: TECHNOVIT 4006 POWDER
PRODUCT USE: Resin for metallographic testing

11 10 63 & 11 10 65

DISTRIBUTOR'S NAME: MICRO STAR 2000 INC.
DISTRIBUTOR'S ADDRESS: 225 Bradwick Drive, Unit 21
Concord, Ontario
L4K 1K7

EMERGENCY PHONE NUMBER: 905-660-1754

SECTION 2 – COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL CHARACTERIZATION

DESCRIPTION: Product based on methacrylate copolymers
DANGEROUS COMPONENTS: N/A
ADDITIONAL INFORMATION: For the wording of the listed risk phrases refer to section 16.
WHMIS: Not controlled under WHMIS (Canada)

SECTION 3 – HAZARD IDENTIFICATION

HAZARD DESIGNATION: N/A

Information pertaining to particular dangers for man and environment: N/A

Classification system:

The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

SECTION 4 – FIRST AID MEASURES

GENERAL INFORMATION: No special measures required
SKIN CONTACT: The product is not skin irritating.
EYE CONTACT: Rinse opened eye for several minutes under running water.
INGESTION: Initiate vomiting and consult a doctor.

SECTION 5 – FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING AGENTS: CO₂, extinguishing powder or water jet spray. Fight larger fires with water jet or alcohol-resistant foam.
UNSUITABLE EXTINGUISHING MEDIA FOR SAFETY REASONS: Full water jet.
PROTECTIVE EQUIPMENT: No special measures required.
SPECIAL HAZARD CAUSED BY THE MATERIAL, ITS PRODUCTS OF COMBUSTION OF FLUE GASES: Formation of toxic gases is possible during heating or in case of fire.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Not required.
ENVIRONMENTAL PROTECTION:	No special measures required.
CLEANING METHODS:	Collect mechanically.
ADDITIONAL INFORMATION:	No dangerous materials are released.

SECTION 7 – HANDLING AND STORAGE

HANDLING:	Avoid dust formation.
EXPLOSIONS AND FIRES:	Take precautionary measures against static discharges. In the event of fire, cool the endangered product with water.
STORAGE:	Store dry and cool (not above 25°C).

SECTION 8 – ENGINEERING CONTROLS / PERSONAL PROTECTION

COMPONENTS WITH CRITICAL VALUES THAT REQUIRE MONITORING AT THE WORK PLACE:	The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
ADDITIONAL INFORMATION:	The lists that were valid during the compilation were used as basis.
GENERAL PROTECTIVE AND HYGIENIC MEASURES	The usual precautionary measures should be adhered to in handling the chemicals.
RESPIRATORY EQUIPMENT:	Not required
SKIN PROTECTION:	Not required
MATERIAL OF GLOVES:	The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
PENETRATION TIME OF GLOVE MATERIAL:	The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed
FOR THE PERMANENT CONTACT IN WORK AREAS WITHOUT HEIGHTENED RISK OF INJURY (E.G. LABORATORY) GLOVES MADE OF THE FOLLOWING MATERIAL ARE SUITABLE: Natural rubber, NR	
FOR THE PERMANENT CONTACT GLOVES MADE OF THE FOLLOWING MATERIALS ARE SUITABLE:	Natural rubber, NR PVC or PE gloves
EYE PROTECTION:	Not necessary
BODY PROTECTION:	Light weight protective clothing

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

General Information	
Form	Powder
Color	According to product specification
Smell	Odorless
Change in condition	
Melting point/ Melting range:	Not determined
Boiling point/ Boiling range:	Not determined
Flash point:	Not applicable
Ignition temperature:	400.0° C
Self-inflammability	Product is not self igniting
Danger of explosion;	Product is not explosive. However, formation of explosive powder/air mixture is possible
Density	Not determined
Solubility in /Miscibility with Water	Unsoluble
Solvent content:	
Solids content	100.0%

SECTION 10 – STABILITY AND REACTIVITY

CONDITIONS TO AVOID: No decomposition if used and stored according to specifications.

DANGEROUS REACTIONS: No dangerous reactions known.

HAZARDOUS COMPOSTIONG PRODUCTS: None.

SECTION 11 – TOXICOLOGICAL INFORMATION

ACUTE TOXICITY:
PRIMARY IRRITANT EFFECTS:

SKIN: No irritant effect.

EYES: No irritant effect.

SENSITIZATION: No sensitizing effect known.

ADDITIONAL INFORMATION: The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version. When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

SECTION 12 – ECOLOGICAL INFORMATION

General Notes: Water hazard class 1 (calculated according to VwVwS): Slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

SECTION 13 – DISPOSAL CONSIDERATIONS

ENVIRONMENTAL TOXICITY DATA: See regulatory information below.

WASTE DISPOSAL METHOD: In accordance with all local, state, and federal regulation.

CONTAINER DISPOSAL: In accordance with all local, state, and federal regulation.

Section 14- TRANSPORT INFORMATION

Land transport

ADR/RID-GGVSE Class: - Not a hazardous material within the meaning of transport regulations.

Air transport ICAO-TI and IATA-DGR:

ICAO/IATA Class - Not a hazardous material within the meaning of transport regulations.

SECTION 15- REGULATORY INFORMATION

DESIGNATION ACCORDING TO EC GUIDELINES: Observe the normal safety regulations when handling chemicals
The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV)

The product is not subject to classification according to the calculation methods of the "General Classification Guideline for Preparations of the EC" as issued in the last version.

SPECIAL DESIGNATION OF CERTAIN PREPARATIONS: Contains dibenzoyl peroxide. May produce an allergic reaction.

WATER HAZARD CLASS: Water hazard class 1 (calculated according to VwVwS): slightly hazardous for water.

SECTION 16- OTHER INFORMATION

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

SECTION 17 – PREPARATION OF SAFETY DATA SHEET

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