

MATERIAL SAFETY DATA SHEET

SECTION I

CHEMICAL NAME: Methyl Methacrylate Monomer
PRODUCT NAME: Excel-P Formula Pourable Denture Base Material (Liquid) CAS Reg. No.: 80-62-6
FORMULA: Proprietary Mixture
MANUFACTURER: St. George Technology, Inc.
ADDRESS: P.O. Box 2849, Wilmington, North Carolina 28402-2849
FOR INFORMATION CALL: 910-397-0781
DATE: January 2011

SECTION II — HAZARDOUS INGREDIENTS OF MIXTURES

PRINCIPAL HAZARDOUS COMPONENT(S): Methyl Methacrylate Monomer %TLV (UNITS) 100ppm

SECTION III — PHYSICAL DATA

BOILING POINT: DEG. C. /MM HG. 100/760 SPECIFIC GRAVITY (H₂O=1): -1
PERCENT VOLATILE W/W% 100% VAPOUR DENSITY (AIR=1) +1
EVAPORATION RATE (BuAc=1): +1
SOLUBILITY IN WATER: Slightly soluble
APPEARANCE AND ODOUR: Colourless liquid with characteristic odour.

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

FLASH POINT, TAG CLOSED, DEG.C: 8 FLAMMABLE LIMIT, AIR VOL% LOWER: 1.5
AUTOIGNITION TEMPERATURE, DEG.C 430 UPPER: 12
EXTINGUISHER METHOD: Foam/Dry Powder/Carbon Dioxide
SPECIAL FIRE FIGHTING PROCEDURES: Wear breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Take precautionary measures against static discharge.
U.N. HAZARD CLASSIFICATION NO.: 3.2/1247

SECTION V — HEALTH HAZARD DATA

THRESHOLD LIMIT (TLV): 100 ppm
EFFECTS OF OVER EXPOSURE: Irritating to eyes, respiratory system & skin - may cause sensitization by skin contact. Vapour has strong narcotic effect resembling alcohol.

Emergency and First Aid Procedures:

INHALATION: Remove from exposure to fresh air - seek medical advice if recovery is not rapid.
EYES: Irrigate with water for 10 minutes - seek medical attention.
SKIN: Wash thoroughly with soap and water - seek medical advice if irritation develops.
INGESTION: Wash mouth with water - do not induce vomiting - seek medical advice.

SECTION VI — REACTIVITY DATA

STABILITY: Stable
CONDITIONS: Prolonged exposure to elevated temperatures which can cause premature polymerisation and release methyl methacrylate vapour.
COMPATABILITY (MATERIALS TO AVOID): Organic peroxides, reducing agents, metallic Redox systems.
HAZARDOUS DECOMPOSITION PRODUCTS: Methyl Methacrylate vapour.
HAZARDOUS POLYMERIZATION: May occur.
CONDITIONS TO AVOID: Elevated temperatures - above 35°C (95°F).

SECTION VII — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Absorb on inert material (sand).
Transfer to suitable container for disposal. Wash site of spillage with detergent.
WASTE DISPOSAL METHOD: Do not empty into drains - incinerate under controlled conditions or landfill absorbed material according to local, State and Federal regulations.

SECTION VIII — SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): Only use in well ventilated area. Use breathing apparatus in event of spillage.
VENTILATION: Good ventilation essential.
PROTECTIVE GLOVES: Nitrile/polyethylene. Do not use cotton gloves.
EYE PROTECTION: Full safety spectacles.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Protective polyethylene apron. Good standards of personal hygiene essential.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store between 16-26°C (69-79°F) in well ventilated area. Avoid elevated temperatures. Protect from damp conditions.
OTHER PRECAUTIONS: Keep away from sources of ignition. Do not ship by mail. No smoking. Irritant and highly flammable. Product for professional use only.

MATERIAL SAFETY DATA SHEET

SECTION I

CHEMICAL NAME: Methyl Methacrylate Copolymer
PRODUCT NAME: Excel-P Formula Pourable Denture Base Material (Various Shades Powder)
CAS Reg. No.: 9011-14-7
FORMULA: Proprietary Mixture
MANUFACTURER: St. George Technology, Inc.
ADDRESS: P.O. Box 2849, Wilmington, North Carolina 28402-2849
FOR INFORMATION CALL: 910-397-0781
DATE: January 2011

SECTION II — HAZARDOUS INGREDIENTS OF MIXTURES

PRINCIPAL HAZARDOUS COMPONENT(S): Non-hazardous

SECTION III — PHYSICAL DATA

SPECIFIC GRAVITY (H₂O=1): -1
SOLUBILITY IN WATER: Insoluble
APPEARANCE AND ODOR: Pink powder with slight odour.

SECTION IV — FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHER METHOD: Foam/Dry Powder/Carbon Dioxide
SPECIAL FIRE FIGHTING PROCEDURES: Wear breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Combustible producing noxious fumes. Can cause dust explosion (limit 20g/m³).

SECTION V — HEALTH HAZARD DATA

Emergency and First Aid Procedures:

INHALATION: Remove from dust.
EYES: Irrigate with water for 10 minutes - seek medical attention.
SKIN: Wash with soap and water.
INGESTION: Drink water.

SECTION VI — REACTIVITY DATA

STABILITY: Stable
COMPATIBILITY (MATERIALS TO AVOID): None

SECTION VII — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep up and wash area thoroughly.
WASTE DISPOSAL METHOD: No special precautions.

SECTION VIII — SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (SPECIFY TYPE): Dust mask
VENTILATION: Local
PROTECTIVE GLOVES: Yes
EYE PROTECTION: Yes
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Good standards of personal hygiene.

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in cool dry place.
OTHER PRECAUTIONS: Avoid spillage on hard floors - may be a slip hazard.

Product For Professional Use Only.