SAFETY DATA SHEETS

This SDS packet was issued with item:

071580257

N/A

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture

Product identifier

Product name: .020"(0.5mm), .040"(1.0mm), .060"(1.5mm), .080"(2.0mm), .100"(2.5mm) Clear Tray Material

Product No.: 81660, 81665, 81670, 30990, 30995, 31000, 31005, 31010, 31090, 31100, 31110, 31120

Chemical Name: Copolyester

Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Vacuum forming material.
Uses advised against: None known.

Details of the supplier of the safety data sheet

Manufacturer / Supplier

Buffalo Dental Manufacturing Co. Inc.
159 Lafayette Drive
Syosset NY 11791 US
+15164967200

Emergency telephone number:

INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

Company phone number:

516-496-7200
800-828-0203

SECTION 2: Hazards identification

Hazard classification: Material not considered hazardous by OSHA per 29 CFR 1910

Hazard(s) not otherwise classified (HNOC): None known.

SECTION 3: Composition/information on ingredients

Substances / Mixtures

General information:

Non-Hazardous

SECTION 4: First aid measures

Description of first aid measures

Inhalation: Remove to fresh air. Treat symptomatically. Get medical attention if symptoms persist.

Eye contact: Flush with water. If molten material contacts eye, immediately flush with water for at least 15 minutes. Get medical attention immediately.

Skin contact: Treat as a thermal burn. If burned by contact with molten material, cool material adhering to skin quickly with water, and see a physician for removal of adhering material and treatment of burn. Get medical attention.

Ingestion: Seek medical advice.

Most important symptoms and effects, both acute and delayed: Burns should be treated as thermal burns. The material will come off as healing occurs; therefore, immediate removal from the skin is not necessary.

Indication of any immediate medical attention and special treatment needed

Hazards: Contact with molten substance/product may cause severe burns to skin and eyes.

Treatment: Treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards: None known. If overheated material may burn.

Extinguishing media

Suitable extinguishing media: Water spray. Dry chemical. Carbon Dioxide.

Unsuitable extinguishing media: None known.

Special hazards arising from the substance or mixture: Toxic and irritating gases/fumes may be given off during burning or thermal decomposition. Dust may form explosive mixtures with air.

Advice for firefighters

Special fire fighting procedures: None known.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures: Wear appropriate personal protective equipment.

Environmental precautions: Not regarded as dangerous for the environment.

Methods and material for containment and cleaning up: Wipe up with towels and dispose in suitable container. If molten, allow material to cool and place in a suitable containier. Dispose in accordance with federal, state, and local regulations.

Notification Procedures: None.

SECTION 7: Handling and storage:

Precautions for safe handling: Avoid contact with molten material. Minimize dust generation and accumulation. Handle in accordance with good industrial hygiene and safety practice. Overheating may result in fire or fumes.

Conditions for safe storage, including any incompatibilities: Store in a cool, dry place.

Specific end use(s): Vacuum forming material

SECTION 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits

Country specific exposure limits have not been established or are not applicable unless listed below.

Exposure controls

Appropriate engineering controls: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits, espcially during cutting, grinding, and high heat operations. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

General information: Safety glasses with side shield. Eye bath. Washing facilities.

Eye/face protection: It is a good industrial hygiene practice to minimize eye contact. Wear a face shield when working with molten material.

Skin protection

Hand protection: No special skin protection required during normal handling and use. When material is heated, wear gloves to protect against thermal burns.

Other: No data available.

Respiratory Protection: Although no exposure limit has been established for this product, the OSHA PEL for Particulates Not Otherwise Regulated (PNOR) of 15 mg/m3- total dust, 5 mg/m3- respirable fraction is recommended. In addition, the ACGIH recommends 3 mg/m3- respirable particles and 10 mg/m3- inhalable particles for Particles (insoluble or poorly soluble) Not Otherwise Specified (PNOS).

Hygiene measures: Observe good industrial hygiene practices.

Environmental Controls: No data available.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Physical State:	Solid
Form:	Sheet
Color:	Clear
Odor:	Slight
Odor Threshold:	Not determined.
pH:	Not applicable
Melting Point:	220-250°C (428-482°F)
Boiling Point:	No data available.
Flash Point:	>450°C (>842°F)
Evaporation Rate:	Not determined.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%)–:	No data available.
Flammability Limit - Lower (%)–:	No data available.
Vapor pressure:	Not determined.

Vapor density (air=1):	No data available.
Specific Gravity:	approximately 1.1-1.2
Solubility(ies)	
Solubility in Water:	Insoluble.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Autoignition Temperature:	>450°C (>842°F)
Decomposition Temperature:	380°C (716°F)
Softening Point:	102-113°C (215.6-235.4°F)
Dynamic Viscosity:	No data available.
Kinematic viscosity:	Not determined.
Explosive properties:	Not explosive.
Oxidizing properties:	No data available.
Bulk Density:	38-42 lb/ft3

SECTION 10: Stability and reactivity

Reactivity:	None known.
Chemical stability:	Stable
Possibility of hazardous reactions:	Hazardous polymerization does not occur.
Conditions to avoid:	Excessive heat.
Incompatible materials:	None known.
Hazardous decomposition products:	By Fire and Thermal Decomposition: Carbon Dioxide; Bisphenol A; Phenol; Carbonic Acid, Diphenyl Ester; Carbon Monoxide, Hydrocarbons, phenol derivitives.

SECTION 11: Toxicological information

Information on likely routes of exposure

Inhalation:	None known.
Ingestion:	May cause choking sensation and nausea.
Skin contact:	Molten material will produce thermal burns.
Eye contact:	Not likely. Molten material will produce thermal burns.

SECTION 12: Ecological information

Toxicity

Acute and Prolonged toxicity

None Known.

SECTION 13: Disposal considerations

Waste treatment methods

General information: No data available.

Disposal methods: Disposal should be in accordance with applicable regional, naitional, and local laws and regulations.

SECTION 14: Transport information

Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.

DOT

Class not regulated

IMDG - International Maritime Dangerous Goods Code

Class not regulated

IATA

Class not regulated

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture:

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.
WHMIS (Canada) Status: Non-controlled

SARA 311-312 Hazard Classification(s):
Non-Hazardous under Section 311/312

US EPCRA (SARA Title III) Section 313 - Toxic Chemical List
NONE

OSHA: Not hazardous.

TSCA (US Toxic Substances Control Act): All components of this product are listed on the TSCA inventory. Any impurities present in this product are exempt from listing.

DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act): One or more components of this product are not listed on the DSL.

AICS / NICNAS (Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme): All components of this product are listed on AICS or otherwise comply with NICNAS.

MITI (Japanese Handbook of Existing and New Chemical Substances): All components of this product are listed in the Handbook or have been approved in Japan by new substance notification.

SECTION 16: Other information

HMIS® Hazard Ratings: Health - 0, Flammability - 1, Chemical Reactivity - 0

HMIS® rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

Revision Information: Not relevant.

Key literature references and sources for data: No data available.

Training information: No data available.

Issue date 05/18/2015

SDS No.:

Disclaimer: The information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

SAFETY DATA SHEET

SECTION 1: Identification of the substance/mixture and of the company/undertaking

Product identifier

Product name: .020 Clear Tray / Temp Splint

Product No.: 81660, 81665, 81670

Chemical Name: Copolyester

Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Vacuum forming material.
Uses advised against: None known.

Details of the supplier of the safety data sheet

Manufacturer / Supplier

Buffalo Dental Manufacturing Co. Inc.
159 Lafayette Drive
Syosset NY 11791 US
+15164967200

Emergency telephone number:

INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

Company phone number:

516-496-7200
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SECTION 2: Hazards identification

Hazard classification: Material not considered hazardous by OSHA per 29 CFR 1910

Hazard(s) not otherwise classified (HNOC): None known.

SECTION 3: Composition/information on ingredients

Substances / Mixtures

General information:

Non-Hazardous

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Description of first aid measures

Inhalation: Remove to fresh air. Treat symptomatically. Get medical attention if symptoms persist.

Eye contact: Flush with water. If molten material contacts eye, immediately flush with water for at least 15 minutes. Get medical attention immediately.

Skin contact: Treat as a thermal burn. If burned by contact with molten material, cool material adhering to skin quickly with water, and see a physician for removal of adhering material and treatment of burn. Get medical attention.

Ingestion: Seek medical advice.

Most important symptoms and effects, both acute and delayed: Burns should be treated as thermal burns. The material will come off as healing occurs; therefore, immediate removal from the skin is not necessary.

Indication of any immediate medical attention and special treatment needed

Hazards: Contact with molten substance/product may cause severe burns to skin and eyes.

Treatment: Treat symptomatically.

SECTION 5: Firefighting measures

General fire hazards: None known. If overheated material may burn.

Extinguishing media

Suitable extinguishing media: Water spray. Dry chemical. Carbon Dioxide.

Unsuitable extinguishing media: None known.

Special hazards arising from the substance or mixture: Toxic and irritating gases/fumes may be given off during burning or thermal decomposition. Dust may form explosive mixtures with air.

Advice for firefighters

Special fire fighting procedures: None known.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures: Wear appropriate personal protective equipment.

Environmental precautions: Not regarded as dangerous for the environment.

Methods and material for containment and cleaning up: Wipe up with towels and dispose in suitable container. If molten, allow material to cool and place in a suitable containier. Dispose in accordance with federal, state, and local regulations.

Notification Procedures: None.

SECTION 7: Handling and storage:

Precautions for safe handling: Avoid contact with molten material. Minimize dust generation and accumulation. Handle in accordance with good industrial hygiene and safety practice. Overheating may result in fire or fumes.

Conditions for safe storage, including any incompatibilities: Store in a cool, dry place.

Specific end use(s): Vacuum forming material

SECTION 8: Exposure controls/personal protection

Control parameters

Occupational exposure limits

Country specific exposure limits have not been established or are not applicable unless listed below.

Exposure controls

Appropriate engineering controls: Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits, espcially during cutting, grinding, and high heat operations. If exposure limits have not been established, maintain airborne levels to an acceptable level.

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General information: Safety glasses with side shield. Eye bath. Washing facilities.

Eye/face protection: It is a good industrial hygiene practice to minimize eye contact. Wear a face shield when working with molten material.

Skin protection

Hand protection: No special skin protection required during normal handling and use. When material is heated, wear gloves to protect against thermal burns.

Other: No data available.

Respiratory Protection: Although no exposure limit has been established for this product, the OSHA PEL for Particulates Not Otherwise Regulated (PNOR) of 15 mg/m3- total dust, 5 mg/m3- respirable fraction is recommended. In addition, the ACGIH recommends 3 mg/m3- respirable particles and 10 mg/m3- inhalable particles for Particles (insoluble or poorly soluble) Not Otherwise Specified (PNOS).

Hygiene measures: Observe good industrial hygiene practices. Purgings should be collected as small flat thin shapes or thin strands to allow for rapid cooling.

Environmental Controls: No data available.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Appearance

Physical State:	Solid
Form:	Sheet
Color:	Clear
Odor:	Slight
Odor Threshold:	Not determined.
pH:	Not applicable
Melting Point:	220-250°C (428-482°F)
Boiling Point:	No data available.
Flash Point:	>450°C (>842°F)
Evaporation Rate:	Not determined.
Flammability (solid, gas):	No data available.
Flammability Limit - Upper (%)–:	No data available.
Flammability Limit - Lower (%)–:	No data available.
Vapor pressure:	Not determined.

Vapor density (air=1):	No data available.
Specific Gravity:	approximately 1.1-1.2
Solubility(ies)	
Solubility in Water:	Insoluble.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Autoignition Temperature:	>450°C (>842°F)
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Dynamic Viscosity:	No data available.
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Possibility of hazardous reactions:	Hazardous polymerization does not occur.
Conditions to avoid:	Excessive heat.
Incompatible materials:	None known.
Hazardous decomposition products:	By Fire and Thermal Decomposition: Carbon Dioxide; Bisphenol A; Phenol; Carbonic Acid, Diphenyl Ester; Carbon Monoxide, Hydrocarbons, phenol derivitives.

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Inhalation:	None known.
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Toxicity

Acute and Prolonged toxicity

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Waste treatment methods

General information: No data available.

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Important Note: Shipping descriptions may vary based on mode of transport, quantities, package size, and/or origin and destination. Consult your company's Hazardous Materials/Dangerous Goods expert for information specific to your situation.

DOT

Class not regulated

IMDG - International Maritime Dangerous Goods Code

Class not regulated

IATA

Class not regulated

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Revision Information: Not relevant.

Key literature references and sources for data: No data available.

Training information: No data available.

Issue date 05/18/2015

SDS No.:

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