

SAFETY DATA SHEETS

This SDS packet was issued with item:

071580257

N/A

Material Safety Data Sheet

Section I. Product and Manufacturer Identification

Product Name: .020" Clear Splint Material

Description: .020" x 5" x 5" Sheet Resin Material for Use in Vacuum Forming Machines

Name/Formula: Mixture, Clear 1560 GG Cellulose Acetate

Item Numbers: 81600, 81605, 81610

Distributed By: Buffalo Dental Mfg. Co., Inc., 159 Lafayette Dr., PO Box 678, Syosset, NY 11791-0678

DISCLAIMER: The information in this MSDS is based on information supplied by the vendor of the products and components involved.

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Prepared By: MSDS Dept.

Info. #: 516.496.7200

Emergency #: 516.496.7200

SECTION II - Hazardous Ingredients

A.	COMPONENT:	Appx. Weight %	CAS Reg. No.
	Cellulose acetate	60	9004-35-7
	Diethyl phthalate*	40	84-66-2

See section VI-A for information on exposure limits. *Hazardous chemical as defined by OSHA 29 CFR 1910.1200.

B. PRECAUTIONARY LABEL STATEMENTS:

If burned by contact with molten material, cool as quickly as possible with water and see a physician for treatment of burn.

Note to Physicians: Burns should be treated as thermal burns. Product is a polymer of low toxicity; therefore, there is no need to remove it from the skin because of concern about toxicity. The polymer will come off as healing occurs.

NOTICE: Refer to NFPA Pamphlet No. 654, "Prevention of Fire and Dust Explosions in the Chemical, Dye, Pharmaceutical, and Plastics Industries", if this material is to be reduced to or collected as a powder. **FOR MANUFACTURING USE ONLY**

Section III - Physical Data

Appearance and Odor: Sheets with low odor.

Softening Point: > 125°C (> 257°F).

Specific Gravity (H2O = 1) > 1.0

Solubility in Water: Negligible.

SECTION IV - Fire and Explosion Hazard Data

Flash Point: Not applicable: Nonvolatile, combustible.

Extinguishing Agent: water spray, dry chemical, or CO2.

Special Fire-Fighting Procedures: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

Unusual Fire and Explosion Hazards: Fire or excessive heat may cause production of hazardous decomposition products. (See Section V). Refer to NFPA Pamphlet No. 654, "Prevention of Fire and Dust Explosions in the Chemical, Dye, Pharmaceutical, and Plastics Industries", if this material is to be reduced to or collected as a powder.

Section V - Reactivity Data

Stability: Stable. **Incompatibility:** Oxidizing materials can cause a reaction.

Hazardous Decomposition Products: As with any other organic material, combustion will produce carbon dioxide and probably carbon monoxide. Oxides of phosphorous and phosphine may also be present.

Hazardous Polymerization: Will not occur

Section VI - Toxicity and Health

A. EXPOSURE LIMITS: Threshold Limit Value (TLV) and OSHA Permissible Exposure Limit (PEL) have not been established for the manufacturer's acetate formulas and the cellulose acetate component.

TLV: Diethyl phthalate: 5 mg/m3-TWA, ACGIH, 1984-85. OSHA PEL: Diethyl phthalate: Not established,

A NIOSH industrial hygiene analytical method for triphenyl phosphite is available. (2)

An industrial hygiene analytical method for diethyl phthalate is available to health and safety professionals upon request. Diethyl phthalate is present in concentrations and forms not likely to present significant health risks.

B. EXPOSURE EFFECTS

Inhalation: Low hazard for usual industrial handling.

Eyes: Low hazard for usual industrial handling.

Skin: Molten material will produce thermal burns.

C. FIRST AID

Skin: If burned by contact with molten material, cool as quickly as possible with water and see a physician for treatment of burn.

Note to Physician: Burns should be treated as thermal burns. Product is a polymer of low toxicity; therefore, there is no need to remove it from the skin because of concern about toxicity. The polymer will come off as healing occurs.

D. TOXICITY DATA

Specific toxicity data for the cellulose acetate and diethyl phthalate components of these materials are available in Eastman Chemical Products, Inc. Material Safety Data Sheets 10,632A and 10,182A, respectively. These compounds are typically used in direct contact food packaging.

Section VII - Ventilation and Personal Protection

A. VENTILATION

Good general ventilation (typically 10 air changes per hour.) should be sufficient to control airborne levels. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory protection may be needed in special circumstances such as poorly ventilated spaces, mechanical generation of dusts, heating, drying, etc.

B. RESPIRATORY PROTECTION

If respiratory protection is needed, an appropriate NIOSH-approved respirator for dust or fume should be worn. If respirators are used, a program should be established to assure compliance with OSHA Standard 29 CFR 1910.134.

C. SKIN AND EYE PROTECTION

Safety glasses with side shields (or goggles) are recommended for any type of industrial chemical handling. Gloves should be worn to protect against thermal burns. A safety shower and washing facilities should be available. Good industrial hygiene practice should be followed which includes minimizing skin contact.

Section VIII – Special Storage and Handling Precautions

Keep from contact with oxidizing materials. Avoid elevated storage temperatures.

Section IX – Spill, Leak and Disposal Practices

Steps to be Taken in Case Material is Released or Spilled: Collect and contain for salvage or disposal.

Waste Disposal Method: Incineration or landfill. Observe all federal, state, and local laws concerning health and environment.

Section X – Environmental Effects Data

These materials have not been tested for environmental effects.

Section XI - Transportation

DOT Hazard Classification: Not regulated by DOT

Other

CAS = Chemical Abstract Number

TSCA = Toxic Substance Control Act

VOC = Volatile Organic Chemical

NDA = No Data Available

OSHA = Occupational Safety and Health Admin.

SARA = Superfund Amendments & Reclamation Act

N/E = Not Established

NA = Not Applicable

PEL = Permissible Exposure Limit

TWA = Time Weighted Average

PPM = Parts Per Million

The information contained herein is furnished by the manufacturer of the materials or components of this product without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers.