

Section I - Product and Company Identification

Product Name: Splint Material
Chemical Name: Cellulose Acetate

Family: N/A

Manufacturer: T&S Dental & Plastics, Keystone Industries
 52 W. King Street, Myerstown, PA 17067

Emergency Phone Numbers: (800)-535-5053

Information Contacts: (856)-663-4700

Formula: Mixture

Section II - Hazardous Ingredients

Chemical Identity	CAS Numbers	Percent	Exposure	Limits	Carcinogen
Cellulose Acetate	9004-35-7	>60	NE	NE	
Diethyl phthalate	84-66-2	<40	5 mg/m3-TWA	NE	

N/E - None Established	N/A-Not	
N/DA- No Data Available	Applicable	N/R -
	Not Reviewed	

Section III - Hazards Identification

EMERGENCY OVERVIEW

- No unusual dermatitis hazard is expected from routine handling. Molten polymer on the skin may cause thermal burns.
- This product is not respirable as marketed- if irritation should occur, move to a ventilated location.
- 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.

Potential Health Effects, Signs and Symptoms of Exposure:

Primary Route of

Entry

Eye	Low hazard for usual industrial handling
Skin	Molten material will produce thermal burns
Ingestion	Low hazard for usual industrial handling
Inhalation	Low hazard for usual industrial handling
Medical Conditions aggravated by exposure	None known

Section IV - First Aid Measures

First Aid for Eye: Flush eye thoroughly, for minimum 15 minutes with water. Get medical help if discomfort persists.

First Aid for Skin: The compound is not likely to be hazardous by skin contact but cleansing the skin after use is advisable. If burned by contact with molten material, cool as quickly as possible with water and see a physician for treatment of the burn if necessary.

First Aid for Inhalation: Remove to fresh air. Get medical help if discomfort persists.

First Aid for Ingestion: No specific intervention is indicated as compound is not likely to be hazardous by ingestion. Consult a physician if necessary.

Section V - Fire Fighting Measures

Flash Point (°F/°C)	Flammable Limit (vol%)	Auto-ignition Temperature (vol%)
NA:nonvolatile,combustible	N/A	N/A

Method:

Extinguishing Media: Water, Foam, Dry Chemical , CO2

Fire Fighting Instructions: Use water spray to cool fire exposed surfaces, protect personnel, and extinguish the fire. Respiratory and eye protection required for fire fighting personnel.

Decomposition products under fire conditions: Oxygen-lean conditions may produce carbon monoxide and irritating smoke.

Section VI - Accidental Release Measures

Spill or Release Procedures -

- Shovel or vacuum up spilled product and place in closed container for disposal. Do not flush into sewer, stream or other bodies of water.

Section VII - Handling and Storage

Handling

- Keep from contact with oxidizing materials

Storage

- Store in cool, dry place. Keep container closed to prevent contamination.

Explosion Hazard

- None

Section VIII - Exposure Controls / Personal Protective Equipment

Engineering Controls: 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 areas, mechanical generation of dusts, heating, drying, etc.

Personal Protective Equipment:

General: Good industrial hygiene practice should be followed which includes minimizing skin contact.

Eye/ Face Protection: Safety glasses or side shields recommended.

Skin Protection: Recommend gloves to prevent skin irritation in hypersensitive individuals.

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Respiratory Protection	If respiratory protection is needed, an appropriate NIOSH approved respirator should be worn
Personal Protection	Where contact with hot material may occur, wear thermal resistant gloves, arm protection, protective footwear and a face shield.
Exposure Limits	Threshold Limit Value(TLV) and OSHA Permissible Exposure Limit (PEL) have not been established for the cellulose acetate material. TLV- Diethyl phthalate: 5 mg/m ³ –TWA, ACGIH, 1984-85 OSHA PEL:Diethyl phthalate: not established

Section IX - Physical and Chemical Properties

Appearance	Odor & Odor Threshold	pH	Specific Gravity	Viscosity	% Volatile
Sheets	Low odor	N/A	>1.0	N/A	N/A

Boiling Point/ Freezing Point	Decomposition Temperature	Octanol/Water Partitioning Coefficient Log Po/w	Vapor Pressure:	Vapor Density	Evaporation Rate	Ignition	Solubility
N/A	N/A	N/A	N/A	N/A	N/A	N/A	negligible

Section X - Stability and Reactivity

Stability:

Stable

Hazardous Decomposition Products:

As with any organic material, combustion will produce carbon dioxide and probably carbon monoxide. Oxides of phosphorus and phosphine may also be present.

Conditions to Avoid:

None

Incompatibility (Materials to Avoid):

oxidizing materials can cause a reaction

Hazardous Polymerization:

Will not occur.

Section XI - Toxicological Information

Acute Oral Toxicity	Acute Dermal Toxicity	Acute Inhalation Toxicity	Irritation - skin	Irritation - Eye
N/E	N/E	N/E	N/E	
Sensitization		Mutagenicity		Sub-chronic Toxicity
N/E		N/E		N/E

Section XII - Ecological Information

Ecotoxicological Information

Acute Toxicity to Fish	Acute Toxicity to Invertebrates	Acute Toxicity to Algae	Bioconcentration	Toxicity to Sewage Bacteria
N/E	N/E	N/E	N/E	N/E

No information is available. Toxicity is expected to be low based on insolubility in water.

Section XIII - Disposable Concentrations

- May be disposed of in a landfill or incinerated. Follow Federal, State and Local regulations for disposal.

Section XIV - Transport Information

- DOT/UN Shipping Name: Non-hazardous, not regulated.

Section XV - Regulatory Information

US Federal Regulations

Clean Air Act: HAP	None
Clean Air Act: ODS	None
Clean Water Act: Priority Pollutant	None
FDA: Food Packaging Status	None
Occupational Safety and Health Act	None
RCRA	None
SARA Title III: Section 302	N/A
SARA Title III: Section 304	None
SARA Title III: Section 311-312:	This product is classified into the following categories Delayed Health. This information may be subject to the provisions of the community Right to know Reporting Requirements (40CFR 370) if threshold quantity criteria are met.
SARA Title III: Section 313:	
TSCA Section 8(b): Inventory:	NA
TSCA Section 12(b): Export	None
Notification:	
TSCA Section 5(e): Consent Order:	None

Date: 1/21/00

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