



SAFETY DATA SHEET

1. PRODUCT and COMPANY INFORMATION

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Name: CA Sheet Stock

Product Identification Number: DS70048377V4 CA/01000/16.000/CLEAR

2. COMPOSITION and INFORMATION ON INGREDIENTS

COMPONENTS	CAS #	Weight %
1. Cellulose Acetate	9004-35-7	<70%
2. Triphenyl Phosphate	115-85-6	<2%
3. Diethyl Phthalate	84-66-2	<40%
4. Other Additives	Proprietary	<5%

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

**Powdered Material May Form Explosive Dust-Air Mixtures
Molten Material Will Produce Thermal Burns**

POTENTIAL HEALTH EFFECTS:

EYES:

Dust and fumes from overheated product may cause irritation to eyes

SKIN

May cause irritation in some individuals

INGESTION

May cause digestive upset if ingested

INHALATION

Dust when ground into fine particles or fumes when overheated may cause irritation

DEVELOPMENTAL INFORMATION

There is no data available for assessing risk to the fetus from maternal exposure to this material but adverse effects are unlikely.

CANCER INFORMATION

This material is not listed as a carcinogen by IARC, NTP, or OSHA.

REPRODUCTIVE EFFECTS:

There is no data available for assessing possible reproductive system effects from exposure to this material.

4. FIRST AID MEASURES

EYE CONTACT

Wash eyes immediately for at least 15 minutes with water. Get medical attention if symptoms persist.



SKIN

Wash with soap and water. Seek medical attention if symptoms occur.

INGESTION

Get medical advice immediately.

INHALATION

Move to fresh air and seek medical attention if symptoms persist.

5. FIRE FIGHTING MEASURES

FLAMMABLE PROPERTIES:

FLASH POINT: Not Applicable, Combustible Solid

DUST EXPLOSION CLASS: St 2- Strong Explosion

FIRE AND EXPLOSION HAZARDS

Carbon dioxide and carbon monoxide are hazardous combustion products. Powdered material may form explosive dust-air mixtures. Material may accumulate a static charge which could act as an ignition source.

EXTINGUISHING MEDIA

Use dry chemical powder or water spray may be used to keep fire-exposed containers cool until fire is out.

FIRE FIGHTING INSTRUCTIONS

Wear self-contained, positive pressure breathing apparatus (MSHA/NIOSH approved, or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

In the event of accidental release, sweep or shovel spilled material into waste drums or plastic bags and re-use or recycle in accordance with all State, Local and Federal regulations.

7. HANDLING and STORAGE

HANDLING PRECAUTIONS

Handling Measures: Keep away from oxidizing materials. Mixing cellulose esters in a nonpolar hydrocarbon (toluene or xylene) may result in the buildup of static electricity, which can cause a flash fire or an explosion. When adding cellulose ester to any flammable liquid, an inert gas atmosphere should be maintained within the vessel. Minimize dust generation and accumulation. Vapor-air mixtures are explosive above flash point.

STORAGE PRECAUTIONS

Storage Measures: Keep this material in a clean, cool, and dry location away from heat sources. Keep container closed.



8. EXPOSURE CONTROLS and PERSONAL PROTECTION

ENGINEERING CONTROLS

Provide sufficient mechanical ventilation (general and/or local exhaust) typically ten air changes per hour. 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.

EYE PROTECTION

It is a good industrial hygiene practice to minimize eye contact, therefore wear proper eye protection when necessary. Wear a face shield when working with molten material.

SKIN PROTECTION

It is a good industrial hygiene practice to minimize skin contact, therefore wear proper skin protection when necessary. Wear gloves to protect against thermal burns.

RESPIRATORY PROTECTION

None required under normal conditions. An approved dust mask should be worn if exposure to high levels of dust are likely.

9. PHYSICAL and CHEMICAL PROPERTIES

APPEARANCE

Clear, Transparent

ODOR

Slight, Characteristic

BASIC PHYSICAL PROPERTIES

FREEZING POINT:	127-240°C
SPECIFIC GRAVITY (H ₂ O=1):	1.16-1.26

10. STABILITY and REACTIVITY

STABILITY:

This product is normally stable.

INCOMPATIBLE MATERIALS

Avoid contact with strong oxidizers.

HAZARDOUS POLYMERIZATION

Will not occur

11. TOXICOLOGICAL PROPERTIES

Available acute toxicity data is available below. Additional toxicity information may be available upon request.

Oral LD-50: (rat)	>6,400 mg/kg (highest dose tested)
Dermal LD-50: (guinea pig)	>1,000 mg/kg (highest dose tested)
Skin Irritation (guinea pig)	Slight



12. ECOLOGICAL INFORMATION

No ecological data is currently available.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all applicable local, state and federal regulations.

14. TRANSPORTATION INFORMATION

Not Regulated

15. REGULATORY INFORMATION

The following regulatory information is not meant to be all-inclusive. It is the user's responsibility to comply with all applicable federal, state and local regulations.

SARA Title III

Section 302 and 304 of the Act; Extremely Hazardous Substances (40 CFR 355)

<u>COMPONENT</u>	<u>CAS No.</u>	<u>TPQ (lbs)</u>	<u>RQ (lbs)</u>
None	N/A	N/A	N/A

Note: TPQ-Threshold Planning Quantity RQ- Reportable Quantity

Section 311 Hazard Categorization (40 CFR 370)

<u>ACUTE</u>	<u>CHRONIC</u>	<u>FIRE</u>	<u>PRESSURE</u>	<u>REACTIVE</u>
Not Listed				

Section 313 Toxic Chemicals (40 CFR 372.65)

This product contains the following EPCRA Section 313 chemicals subjects to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986.

<u>COMPONENT</u>	<u>CAS No.</u>	<u>WT.%</u>
Not Listed		

Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) section 102(a):
Not Regulated

Resource Conservation and Recovery Act (RCRA): Recycle or dispose of in accordance with all applicable State, Local and Federal regulations.

Toxic Substances Control Act (TSCA): The components of this product are on the TSCA inventory list.

International Regulations Inventory Status: Not determined

State and Local Regulations: California Proposition 65 None

16. OTHER INFORMATION



ABBREVIATIONS:

ACGIH	American Conference of Governmental Industrial Hygienists	NTP	National Toxicology Program
AIHA	American Industrial Hygiene Association	OPA	Oil Pollution Act of 1990
ANSI	American National Standards Institute (212) 642-4900	OSHA	U.S. Occupational Safety & Health Administration
API	American Petroleum Institute (202) 682-8000	PEL	Permissible Exposure Limit (OSHA)
CERCLA	Comprehensive Emergency Response, Compensation, and Liability Act	RCRA	Resource Conservation and Recovery Act
DOT	U.S. Department of Transportation [General info: (800) 467-4922]	REL	Recommended Exposure Limit (NIOSH)
EPA	U.S. Environmental Protection Agency	SARA	Superfund Amendments and Reauthorization Act of 1986 Title III
HMIS	Hazardous Materials Information System	SCBA	Self-Contained Breathing Apparatus
IARC	International Agency For Research On Cancer	SPCC	Spill Prevention, Control, and Countermeasures
MSHA	Mine Safety and Health Administration	STEL	Short-Term Exposure Limit (generally 15 minutes)
NFPA	National Fire Protection Association (617) 770-3000	TLV	Threshold Limit Value (ACGIH)
NIOSH	National Institute of Occupational Safety and Health	TSCA	Toxic Substances Control Act
NOIC	Notice of Intended Change (proposed change to ACGIH TLV)	TWA	Time Weighted Average (8 hr.)
		WEEL	Workplace Environmental Exposure Level (AIHA)
		WHMIS	Canadian Workplace Hazardous Materials Information System

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

The information contained in this material safety data sheet (MSDS) is believed to be accurate. No warranty expressed or implied is made with respect to the accuracy of the information contained herein. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.