Cellulose Acetate

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

1.1. Product identifier

Product name:	Cellulose Acetate
CAS Number:	9004-35-7
EC Number:	246-466-0

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

Product use:	Chemical product for plastic end use.

1.3 Details of the supplier of the safety data sheet

Company name:	East Harbour Group Ltd 20 Clough Road, Severalls Industrial Park Colchester, Essex, CO4 9QS United Kingdom
Telephone:	+44 (0) 333 242 0100
Email:	info@eastharbourgroup.com

1.4 Emergency telephone number

Emergency telephone:	0800 246 1274

Section 2: Hazardous identification

2.1 Classification of the substance or mixture

OSHA (occupational safety and health administration) Specified Hazards
Combustible dust: May form combustible dust concentrations in air

2.2 Label elements

Signal word Warning

Hazard Statement(s)
May form combustible dust concentrations in air.

Precautionary statement
Prevention

P210	Keep away from heat/sparks/open flames/hot surfaces.
P243	Take precautionary measures against static discharge.

Disposal

P501	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Cellulose Acetate

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2.3 Potential Health Effects

Routes of entry for solids	Not available
Eye and skin contact with dust	Molten substance/product may cause severe burns
Dust inhalation	Not available
Dust ingestion	Not available

2.4 Other hazards
May be decomposed under high temperature

Section 3: Composition/information on ingredients

3.1 Substance Substance type Polymer

General information

Name	Product identification	Approximate (%) by Wt	Classification	Workplace Exposure Limit	
				OSHA PEL (mg/m3)	ACGIH TLV (mg/m3)
Cellulose Diacetate	CAS-No.: 9004-35-7 EC No.: 618-380-7	100%	-	Not available	Not available

PEL	Permissible exposure limits
ACGIH	American Conference of Governmental Industrial Hygienists
TLV	Threshold limit value

3.2 Mixture
Not application

Section 4: First aid measures

4.1 General information
Persons using these products should consult a physician or other medical professional if an accident involving these products in injury.

4.2 Specific first-aid measures
Eye Contact
Wash out any material that contacts the eye immediately with water.

Skin Contact
No special precautionary measures necessary. Generally, not irritant to skin.

Inhalation
No special precautionary measures necessary. If symptomatic move to fresh air. Get medical attention if symptoms persist.

Ingestion
Get medical attention if symptoms persist.

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.

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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: Fire-fighting measures

General fire hazards
Material can accumulate static charges, which may cause an electrical spark (ignition source). Use proper bonding and/or grounding procedures.

Extinguishing Media
Water spray, dry chemical, carbon dioxide.

Unsuitable extinguishing media
Do not use a solid water stream as it may scatter and spread fire

Special Fire Fighting Procedures
Because fire may produce toxic thermal decomposition products, wear a self-contained breathing apparatus with a positive pressure.

Unusual Fire and Explosion Hazards
Avoid inhaling fumes. Toxic fumes: presence of carbon monoxide.

Further information
Minimize dust generation and accumulation. Use water spray to cool unopened containers.

Explosion Sensitivity to Mechanical Impact
Not available.

Section 6: Accidental release measures

Release Response
Nonspecific recommended.

Measures for environmental protection
Mechanically sweep or scoop up waste material and remove to another recipient, avoiding dust generation and accumulation.

Section 7: Handling and storage

7.1 Handling
Information for safe handling
No special precautionary measures should be needed under anticipated conditions of use. Avoid inhalation of dust (provide ventilation adequate to maintain dust concentration below 10 mg/m3). Avoid build-up of static electricity by use of ground conductor.

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Information about fire- and explosion protection
Keep locked up. Keep container dry. Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray.

7.2 Storage
Requirements to be met by storerooms and receptacles
Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Store in accordance with good industrial practices.

Information about storage in one common storage facility
Keep away from sources of ignition. Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances. Do not expose to air.

Further information about storage condition
Not available.

Section 8: Exposure controls/personal protection

8.1 Engineering Controls
Exposure
TLV (dust): 10 mg/m3.

8.2 Personal Protective Equipment

8.3 Protection of Hands:
Wear appropriate protective gloves to minimize contact with skin.

Protection of Eyes
Safety glasses and dust mask/respirator are recommended if levels of airborne concentrations are high.

Protection of Respiratory Tract
Approved dust respirator with P2 filter must be worn if engineering controls do not maintain airborne concentrations below recommended limits.

Protection of Body
Work dresses.

8.4 General protective measures
Not available.

8.5 Material of Gloves
Nonspecific recommended

Section 9: Physical and chemical properties

General Information

Form	Powder
Colour	White
Odor	Odourless

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Melting point/Melting range	230 - 250 °C
Decomposition Temperature	304 °C (DSC) 123 J/g
Explosion class	St 2 - strong explosion
Vapour pressure	Not available
Partition coefficient (n-octanol / water	Not available
Density	0.3 - 0.6 Kg/l
Relative density: Specific gravity	1.31 - 1.32 g/cm3(Water=1)
Solubility in/Miscibility with Water	Not soluble
Particle size below 50µm	<5%
Upper explosion limit / Upper flammability limit	Not applicable
Lower explosion limit / Lower flammability limit	35 g/m3
Ignition temperature of dust cloud	420°C
Ignition temperature of a dust layer	> 450°C
Explosion properties	Stable under recommended storage conditions. No hazards to be specially mentioned.
Oxidizing properties	Stable under recommended storage conditions. No hazards to be specially mentioned.

Section 10: Stability and Reactivity

Chemical Stability	Stable under normal conditions.
Hazardous Polymerizations	Will not occur.
Possibility of hazardous reactions	Can decompose at elevated temperatures.
Conditions to Avoid	Excessive heat.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	Carbon Dioxide. Carbon Monoxide

Section 11: Toxicological Information

Potential Health Effects

Acute Effect	No evidence of adverse from available information.
Chronic Effects	No evidence of adverse from available information.
Sensitization	Not available.
LD50	Not available.

Section 12: Ecological Information

Ecotoxical effects

Effect of material on plants or animals	No Toxic to plants or animals.
Effect of material on plants or aquatic life	No toxic to aquatic organisms.

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Section 13: Disposal considerations

Waste Disposal Methods
Recycle if possible. Discharge, treatment or disposal may be subject to national, state or local laws. Contact specialist agencies.

Recommendation Disposal must be made according to official 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.

These products are not hazardous as defined by EU related Regulation and Directive.
49 CFR (Tile 49-Transportation, Code of federal regulations)
Not regulated as a dangerous good

IATA-DGR (International Air Transport Association-Dangerous Goods Regulations)
Not regulated as a dangerous good

IMDG-Code (International Maritime Dangerous Goods)
Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
Not applicable for product as supplied.

Section 15: Regulatory Information

The ingredients of this product are reported in the following inventories
DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act)
All components of this product are on the Canadian DSL

AICS / NICNAS (Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme)
On the inventory, or in compliance with the inventory

ENCS (Japanese Handbook of Existing and New Chemical Substances)
On the inventory, or in compliance with the inventory

ISHL (Japan Industrial Safety and Health Law)
On the inventory, or in compliance with the inventory

KECI (Korea Existing Chemicals Inventory)
On the inventory, or in compliance with the inventory

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PICCS (Philippine Inventory of Chemicals and Chemical Substances)
On the inventory, or in compliance with the inventory

IECSC (Inventory of Existing Chemical Substances in China)
On the inventory, or in compliance with the inventory

TCSI (TOY SAFETY COORDINATION INITIATIVE)
On the inventory, or in compliance with the inventory

TSCA (US Toxic Substances Control Act)
On the inventory, or in compliance with the inventory
TSCA list
No substances are subject to a Significant New Use Rule.
No substances are subject to TSCA 12(b) export notification requirements.

EPCRA (Emergency Planning and Community Right-to-Know)
SARA 302 Extremely Hazardous Substances Threshold Planning Quantity: This material does not contain any components with a section 302 EHS TPQ.

Section 16: Other Information

HMIS® IV Hazard Ratings
Health - “/” “1”, Flammability - “1”, Physical hazard - “0”

HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. The "*" represents a chronic hazard, while the "/" represents the absence of a chronic hazard. 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 SDS must be considered.

NFPA 704(National Fire Protection Association)
Health - “/” “1”, Flammability - “1”, Instability - “0”

Indication of changes
08/10/2023

Other information
This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements. It is a guidance for safe handling, use, processing, storage, transportation, disposal and release. It should not therefore be construed as guaranteeing any specific property of the product. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.