

EcoElement™ CLS Matt Film

UF4002

SECTION 1: Material Identification

This material meets the definition of an article under the United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS), the European Union (EU) Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) Standard, United States (US) Occupational Health and Safety Administration (OSHA) Hazard Communication Standard, Canadian Workplace Hazardous Materials Information System (WHMIS) Regulation and Australian Work Health and Safety (WHS) Regulation. Therefore, under normal usage of this product, a Material Safety Data Sheet (MSDS) is not required and will not be issued by our supplier. To support our customers with additional data on safe handling and use instructions for these articles this Safe Use Instruction Sheet was created by the manufacturer.

SECTION 1: Material Identification

Product Name	EcoElement CLS Matt Film
Recommended Use	Lamination
Uses Advised Against	No data available.
Distributor Name	Nobelus Europe Ltd Denmark House, Victoria Way Studlands Park Industrial Estate, Newmarket CB8 7AU, UK
Emergency Phone Number	+44 (0) 1638 591226

SECTION 2: Hazard Identification

Hazard Classification	Clear, smooth flat sheets (similar safety hazards to paper).
Signal Word	No data available.
Hazard Statements	No data available.
Pictograms	No data available.
Precautionary Statements	No data available.
CAS Hazard Class	No data available.
Results of PBT and vPvB Assessment	No data available.
% of Product with Unknown Acute Toxicity	No data available.
Unusual Fire & Explosion Hazards	Supports combustion.
Label Elements	No data available.

The film can pick up a strong static charge during processing. Avoid discharge into dust or solvent as a flash fire or explosion may result.

SECTION 3: Composition / Information on Ingredients

Chemical Name and Synonyms	CAS No.	Concentration
Cellulose Diacetate (CA)	-	-
Glycerol Triacetate (Triacetin)	-	-
Impurities & Stabilizing Additives	No data available.	
Trade Secret Claims	No data available.	

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SECTION 4: First Aid Measures

General Information	No data available.
Following Inhalation	Not applicable.
After Eye Contact	No adverse effects anticipated.
After Skin Contact	No adverse effects anticipated.
After Ingestion	No adverse effects anticipated.
Important Symptoms and Effects, Both Acute and Delayed	No adverse effects expected on prolonged exposure.
Recommendations for Immediate Medical Care / Special Treatment	No data available.

SECTION 5: Fire Fighting Measures

General Information	No data available.
Suitable Extinguishing Agents / Equipment	Water, carbon dioxide, foam, dry powder, sand.
Unsuitable Extinguishing Agents / Equipment	No data available.
Special Exposure Hazards Arising from the Substance itself, Combustion Products, or Resulting Gases	Carbon monoxide, carbon dioxide, acetic acid, water.
Special Protective Equipment for Fire Fighters	As with any fire, use breathing apparatus in presence of smoke/fumes.
Fire Fighting Procedures and Precautions	No data available.
Heat Value	No data available.

SECTION 6: Accidental Release Measures

Personal Precautions, Protective Equipment, and Emergency Procedures	No data available.
Environmental Precautions and Protective Procedures	No data available.
Methods for Containment and Cleanup	Loose waste and scrap material should be swept up for safe disposal.

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SECTION 7: Handling and Storage

Precautions for Safe Handling	Avoid damage to the edge of the roll. Never stand rolls on end; avoid placing or rolling rolls on the floor. Handle rolls using mandrels inserted into the core. Do not hammer mandrels into the core.
Conditions for Safe Storage including Incompatibilities	Store by suspending on racks using mandrels. Decades of reliable performance have demonstrated that this cellulose diacetate film can be used in its many applications with the confidence that the product provides a consistently high level of quality. However, cellulose diacetate, like all polymers, must be stored appropriately to preserve its performance. Close adherence to the following conditions will maintain rolls in the best possible state. Keep all rolls in their moisture-proof wrapping until required for processing. Re-wrap partially used and slit rolls. Suspend the rolls on racks by rods through the cores. Avoid "walking" rolls on one end as the edges will become damaged. This is very important. Avoid wide variations in temperature and humidity in the storeroom. Temperatures between 15°C– 23°C (59°F - 73°F) and a relative humidity between 40% - 65% are the best conditions. Avoid exposure to ketone and ester solvent vapours such as acetone or ethyl acetate. Do not store in bright sunlight.
Shelf Life	As a general rule, this material should be processed promptly. Our supplier recommends that customers process it within 12 months of receipt. Particularly for hot and/or humid climates, and where the film is supplied as narrow reels (300mm or less), it is recommended to convert it within 6 months of receipt. In case of problems after such periods, our supplier reserves the right not to offer compensation in respect of problems arising with film quality.
Precautions against Fire and Explosion	No data available.

SECTION 8: Exposure Controls / Personal Protection

Control Parameters	No data available.
Permissible Exposure Limits (PELs)	No data available.
ACGIH Threshold Limit Values (TLVs)	No data available.
General Information Regarding PPE	No data available.
Hand, Skin, and Body Protection	No data available.
Eye Protection	No data available.
Respiratory Protection	No data available.
Special Requirements for PPE	No data available.
Appropriate Engineering Controls / Ventilation	Fume extraction and fresh air circulation is recommended where solvents are being used during lamination or other finishing processes.
Thermal Hazard Protection	No data available.

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SECTION 9: Physical and Chemical Properties

Appearance / Color	Rolled film
State of Matter	No data available.
Upper / Lower Flammability Limits	No data available.
Upper / Lower Explosion Limits	No data available.
Odor	Practically odourless.
Odor Threshold	No data available.
Vapor Density	No data available.
pH	No data available.
Relative Density	No data available.
Melting Point / Melting Range	No data available.
Freezing Point / Freezing Range	No data available.
Solubility(ies)	No data available.
Initial Boiling Point / Boiling Range	No data available.
Flash Point	No data available.
Evaporation Rate	No data available.
Density	No data available.
Relative Density	No data available.
Flammability (solid, gas)	No data available.
Partition Coefficient (N-Octane / Water)	No data available.
Auto-Ignition Temperature	No data available.
Viscosity: Dynamic / Kinematic	Not applicable.
Decomposition Temperature	No data available.
Danger of Explosion	No data available.
Vapor Pressure	No data available.
Specific Gravity	1.12 ± 0.02
Spontaneous Combustion	No data available.
Solubility / Miscibility with water	Insoluble
Solvent Content	No data available.
Oxidization	No data available.
Distribution Coefficient	No data available.
Molecular Weight	No data available.
Equilibrium Water Content	Circa 2% (in air @ temp. 23°C, RH 50%)

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SECTION 10: Stability & Reactivity

Reactivity	No data available.
Chemical Stability	Cellulose diacetate films decomposes circa 250°C.
Possibility of Hazardous Reactions	No data available.
Thermal Decomposition / Conditions to Avoid	Low resistance to ketones and esters. Attacked by moderate to concentrated strong acids and bases. Resistant to non-polar solvents.
Incompatible Materials	No data available.
Hazardous Decomposition Products	No data available.
Hazardous Polymerization	This material is not known to have any hazardous polymerization characteristics.

SECTION 11: Toxicological Information

Material of this type has been in use for many years. There have been no chronic, short-or long-term effects reported. Specific toxicological tests films have not been conducted. However, practical experience and literature surveys for the key components reveal the following information.

Acute Toxicity	No data available.
Primary Irritant Effects on the Skin	No data available.
Primary Irritant Effects on the Eye	Normal discomfort resulting from foreign bodies in the eye.
Primary Irritant Effects upon Inhalation	Not applicable.
Primary Irritant Effects upon Ingestion	LD50 - 8600 mg/kg (rat) for Cellulose Diacetate 3000 mg/kg (rat) for Glycerol Triacetate
Delayed, Immediate, and Chronic Effects from Exposure	No data available.
Symptoms	No data available.
Carcinogen Information: if Listed in NTP or IARC	No data available.
Sensitization	No adverse effects anticipated.
STOT (Specific Target Organ Toxicity): Single and Repeated Exposure	No data available.
Additional Toxicological Information	No data available.

SECTION 12: Ecological Information

Ecological & Aquatic Toxicity	This product is not expected to be harmful for the environment.
Persistence and Degradability	No data available.
Bioaccumulative Potential	No data available.
Mobility in Soil / Agronomical Movement	No data available.
Additional Ecological Information	No data available.

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SECTION 13: Disposal Considerations

Disposal Method and Precautions	No data available.
Recommended Cleansing Agents	No data available.
Contaminated Packaging	No data available.
General Comment	Disposal should be in accordance with applicable regional, national and local laws and regulations.
References to Other Sections	No data available.

SECTION 14: Transport Information

UN Number	No data available.
UN Proper Shipping Name	No data available.
Transport Hazard Class(es)	No data available.
Class	No data available.
Packing Group Number	No data available.
Environmental Hazards	No data available.
Marine Pollutant	No data available.
Special Precautions for User	No data available.
UN "Model Regulation"	No data available.
Bulk Transport Regulations	No data available.
Other Transport Regulations	This material is not regulated for transport and shipping purposes. Materials packed on pallets should not be broken down during shipment.

SECTION 15: Regulatory Information

NFPA Grade	No data available.
Federal Regulations	No data available.
State Regulations	No data available.

SECTION 16: Other Information

Last Revision	December 28, 2023
Training Instructions	None Known
Data Sources	Data provided is from Manufacturer's SDS Sheets.
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