

Material Safety Data Sheet Nylon Film

Section 1 - Product Identification

Synonym : Polyamide film.
Chemical Formula : $(C_{12}H_{22}N_2O_2)_n$
Company Identification : Tradeasia International Pte. Limited
Address : 133 Cecil Street # 12-03 Keck Seng Tower, Singapore
Tel: +65-6227 6365
Fax: +65-6225 6286
Email: contact@chemtradeasia.com

Section 2 – Hazards Identification

2.1. Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

2.2. Label elements

Symbols/Pictograms

Not applicable

Signal Word

Not applicable

Hazard Statements

Not applicable

Precautionary Statements

Not applicable

2.3. Other hazards

Not applicable

Section 3 – Composition/Information on Ingredients

3.1 Composition comments

Chemical Name	EC No/CAS No	Purity, %
Polyamide	63428-84-2	100

Section 4 – First-Aid Measures

4.1. Description of first aid measures

Eyes

Not an expected route of exposure.

Skin

If irritated, wash immediately with plenty of water and soap.

Ingestion

Not an expected route of exposure.

Inhalation

Unlikely route of exposure.

Elevated processing temperatures may generate fumes and vapors which may cause irritation.

4.2. Most important symptoms and effects, both acute and delayed

N.A.

4.3. Indication of any immediate medical attention and special treatment needed

N.A.

Section 5 – Fire Fighting Measures

5.1. Suitable Extinguishing media

Use water spray or fog, carbon dioxide or dry chemical.

5.2. Unsuitable Extinguishing media

Do not use a full water jet.

5.3. Specific hazards arising from the chemical

None known.

5.4. Special protective actions for fire-fighters

Firefighters should wear self-contained breathing apparatus.

Section 6 – Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Refer to Section 8.

6.2. Environmental precautions

Not available.

6.3. Methods and material for containment and cleaning up

Sweep up into containers for disposal. Flush spill area with water.

Section 7 – Handling and Storage

7.1. Precautions for safe Handling

Avoid contact with skin, avoid exposing the product to high temperatures. Provide good ventilation of the working area (local exhaust ventilation if necessary).

7.2. Conditions for safe storage, including any incompatibilities

Store in accordance with local, national regulations. Store at room temperature.

Section 8 – Exposure Controls/Personal Protection

8.1. Appropriate engineering controls

Engineering controls are not usually necessary if good hygiene practices are followed.

8.2. Individual protection measures, such as personal protective equipment (PPE)

Eye/face protection

Wear eye/face protection.

Skin protection

Avoid skin contact.

Wear appropriate gloves while handling.

Respiratory protection

Where exposures exceed the established exposure limit, use respiratory protection recommended for the material and level of exposure.

Control of environmental exposure

Before eating, drinking, or smoking, wash your face and hands thoroughly.

Section 9 – Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical State: Solid; thin film

Appearance: transparent

Odor: Odorless

pH: Not applicable

Vapor Pressure: Not applicable

Vapor Density: Not available

Evaporation Rate: Not applicable

Viscosity: Not available

Boiling Point: Not applicable

Flash Point: >400 °C

Melting Point: 215 - 265 °C

Decomposition Temperature: >350 °C

Auto-ignition temperature: >450 °C

Solubility: Not applicable

Specific Gravity/Density: Not available

Section 10 – Stability and Reactivity

10.1. Reactivity

Not available.

10.2. Chemical stability

Stable under normal temperatures and pressures.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid:

Avoid contact with sunlight or ultraviolet light. Avoid exposure to high temperatures.

10.5. Incompatible materials

Strong oxidizing agents, strong acids.

10.6. Hazardous decomposition products

aldehydes, hydrogen cyanide (HCN), nitrogen oxides, amines, ketones, ammonia, caprolactam, carbon monoxide and carbon dioxide, nitrites

Section 11 – Toxicological Information

11.1 Health effects associated with ingredients

Acute toxicity

Dermal: Rabbit: LD50 >2000 mg/kg

Skin corrosion/irritation

Not classified.

Serious eye damage/eye irritation

Not classified.

Respiratory or skin sensitization

Not classified.

Germ cell mutagenicity

Not classified.

Carcinogenicity

Not classified.

Reproductive toxicity

Not classified.

Specific target organ toxicity - single exposure

Not classified.

Specific target organ toxicity - repeated exposure

Not classified.

Aspiration hazard

Not classified.

Section 12 – Ecological Information

12.1. Ecotoxicity

Not classified.

12.2. Bioaccumulative potential

Not available.

12.3. Mobility in soil

Not available.

12.4. Persistence and Degradability

Not available.

12.5. Other adverse effects

Not available.

Section 13 – Disposal Considerations

13.1. Disposal methods

It is encouraged to recycle, recover and reuse of materials, where permitted. Disposal should be in accordance with applicable regional, national and local laws and regulations. Incinerate at a licensed installation.

Section 14 – Transport Information

14.1. DOT

Not regulated

14.2. IMDG

Not regulated

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available

14.3. IATA

Not regulated

Section 15 – Regulatory Information

15.1. Safety, health and environmental regulations

Not regulated.

Inventory lists: All components of this product are included on the Inventory Lists or are not required to be listed on the international inventory lists.

Section 16 : Additional Information

16.1. List of abbreviation and acronyms used in this MSDS

SDS : Safety Data Sheets

Index N° : atomic number of the element most characteristic of the properties of the substance

CAS No : Chemical Abstracts Service number

EC No : EINECS Number : European Inventory of Existing Commercial Substances

Repr. Cat. 2 : Substance presumed human reproductive toxicant

Acute Oral Cat. 5 : Substance which is of relatively low acute oral toxicity.

GHS : Globally Harmonised System of Classification and Labelling

LD₅₀ : Median Lethal Dose

LC₅₀ : Lethal Concentration, 50%

N.A. : Not Applicable

OSHA : Occupational Safety & Health Administration

Cal OSHA : The State of California Division of Occupational Safety and Health (DOSH)

PEL : Permissible Exposure Limits

ACGIH : American Conference of Governmental Industrial Hygienists

TLV : Threshold Limit Value

Japanese MITI : Japanese Ministry of International Trade and Industry

EC₅₀ : Half maximal effective concentration

UN : United Nations

U.S. EPA TSCA Inventory: Inventory of the chemical substances manufactured or processed in the United States according to Toxic Substances Control Act compiled and published under the authority of the Environmental Protection Agency

Canadian DSL: Canadian Domestic Substances List

16.2. Disclaimer of Liability

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