



# FORMOSA CHEMICAL & FIBRE CORPORATION

NO.201,TUNG HWA N.ROAD TAIPEI TAIWAN R.O.C

## Safety Data Sheet

Date/revised : 3/31/2020

### Product: Sunylon Nylon 6 chip

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## 1. Product and company identification

Product Name	: Nylon 6 chip
Other Name	: Polyamide N6 ; Polycaprolactam
Chemical Formula	: $(C_6H_{11}NO)_n$
Suggested uses and restrictions on use:	spinning, injection, modification, film and monofilament
Manufacturer	: FORMOSA CHEMICAL & FIBRE CORPORATION
Address	: 1,CHUNG YANG INDUSTRIAL PARKHSIN-KANG,CHIAYI,TAIWAN
Emergency Telephone:	: 886-5-3772111 EXT:884 FAX: 886-05-3770224
Emergency Contact Number:	(05) 3772111 Fax: (05) 3770224

## 2. Hazard Identification Data

Classification of Chemical Hazards: Non-dangerous goods or mixtures.Composition/information on ingredier

Sign: 1. Symbol: - 2. Warning: - 3. Hazard Warning Message:

4. Hazard Precautions: Not to swallow store in well ventilated places No fireworks

Other Hazards: ---

## 3. Ingredient Identification Data Pure Substances

Pure Substances	
Chinese and English name:	: Nylon 6 chip 耐隆6粒
Synonymous name	: Polycaprolactam); N6 polyamide grain (Polyamide N6)
Chemical Digest	
Registration Number (CAS No )	: 25038-54-4
Harmful ingredients (percentage of ingredients):	: 100%

## 4. First-aid measures

Inhalation	: Remove to fresh air. Get medical attention for any breathing difficulty.
Skin contact	: Burns caused by molten material require hospital treatment.
Eye contact	: Any material entering the eye should be flushed out with copious volumes of water.
Ingestion	: No danger of toxicity ,this material is biologically inactive.

## 5. Fire-fighting measures

Fire extinguishing media	: Water, foam, dry extinguishing media.
Specific hazards	: At temperatures above 300°C can be emitted: carbon monoxide, hydrogen cyanide Under special fire conditions traces of other toxic substances are possible. Formation of further decomposition and oxidation products depends upon the fire conditions.
Further information:	: Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

## 6. Accidental release measures

Pick up with suitable appliance and dispose of.

Wear appropriate personal protective equipment as specified in Section 8. Spills,  
Sweep, scoop or pick up and containerize for reclamation or disposal.

## 7. Handling and storage

Protection against fire and explosion:

Take precautionary measure against static discharges.

Keep in a tightly closed container, stored in a cool, dry, ventilated area, Protect  
against physical damage. Containers of this material may be hazardous when  
empty since they retain product residues (dust, solids).

## 8. Exposure controls and personal protection

Personal protective equipment	: Worn the heat resistant gloves when handling a hot melt.
Hygiene measures	: Mild soap and hand cleanser should be supplied at all working locations for washing. Smoking, eating and drinking in working and storage area's should be prohibited.

## 9. Physical and chemical properties

Physical state	: solid, at 20 °C
Form	: granular
Colour	: white, bright
Odour	: odourless

### Change in physical state

Melting range	: 215 ~ 225 °C
Ignition temperature	: > 400 °C
Vapour pressure	: not applicable
Density	: 1.13g/cm <sup>3</sup>
Bulk density	: 650g/cm <sup>3</sup>
Solubility in water	: insoluble

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## 10. Stability and reactivity

Conditions to avoid	: Temperatur > 300 °C will decompose.
Materials to avoid	: Strong oxidizing agents.
Hazardous decomposition products	: Carbon monoxide, hydrogen cyanide

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## 11. Toxicological information

Additional information	: In our experience and according to information available to us the product is not harmful to health provided it is correctly handled and processed according to the given recommendations.
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## 12. Ecological information

Persistence/degradability	: Very low UV degradability.
Eco-toxicity	: NO indication that this material is being a risk to the environment.
Aquatic toxicity	: Insoluble non toxic solid material (no water hazard).

## 13. Disposal considerations

Product : Check for possible recycling. Can be dumped with domestic refuse or incinerated in suitable plant in accordance with local regulations.

Contaminated packaging : Packs must be completely emptied.

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## 14. Transport information

Keep this material dry during transport.

Not classified as hazardous under transport regulations.

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## 15. Regulatory information

Follow all regulations in your country.

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## 16. Other information

List of references : The GhS website of the Labour Committee of the Executive Council

Manufacture: : Name: Taiwan Chemical Fiber Co., Ltd. Fiber Division  
Address: Jiayi County Newport Township Zhongyang Industrial Zone No. 1 Tel: (05) 3772111 x 884

List : Title: Anwei Engineer Name (signature): Wang Junyuan

List data : 3/31/2020

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The information contained herein is based on the present state of our knowledge and does not therefore guarantee certain properties.

Recipients of our product must take responsibility for observing existing