

# Material Safety Data Sheet

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## 1. Substance/preparation and company identification

Product: Nylon Flock

General Description: CNCO3-3/2, 3d x 2mm

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## 2. Composition/information on ingredients

| <u>Chemical name</u>               | <u>CAS Number</u> | <u>Content (W/W)</u> |
|------------------------------------|-------------------|----------------------|
| Polyamide (PA/6)                   | 25038-54-4        | > 98.0%              |
| Chemicals for dyeing and treatment |                   | < 2.0%               |

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## 3. Hazard identification

### Emergency overview

Caution: May cause eye and respiratory tract irritation.  
Ingestion may cause gastric disturbances.  
Use with local exhaust ventilation. Wear an efficient particulate respirator.  
Eye wash fountains and safety showers must be easily accessible.

### Potential health effects

#### Primary routes of exposure

This product is light, short, fiber flock at normal temperature, and it could adhere to skin through airflow. Routes of entry for this product include eye contact, inhalation and ingestion.

#### Acute toxicity:

None.

#### Irritation:

At normal temperature Skin contact is not irritative, eye contact may cause slightly irritation.

#### Repeated dose toxicity:

No known chronic effects. No adverse effects have been reported in the processing and use of the product.

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## 4. First-aid measures

### General advice:

Product adhered to skin or clothes could be washed away by clean water or blown away by compressed air.

### Inhalation:

First aid unlikely to be required, remove the affected individual into fresh air, if irritation develops, seek medical attention.

### Skin contact:

Wash away by clean water or blown away by compressed air.

### Eye contact:

In case of contact with the eyes, rinse immediately by plenty of clean water. If irritation develops, seek medical attention.

### Ingestion:

Ingestion is not likely in the available physical form. If ingested, seek medical attention.

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## 5. Fire-fighting measures

Flash point: No data available.  
Autoignition: > 400 °C (ASTM D1929)

Suitable extinguishing media:  
Water, foam, dry extinguishing media

Hazards during fire fighting:  
Carbon monoxide, hydrogen cyanide, can be emitted at > 300 °C  
Under special fire conditions traces of other toxic substances are possible. Formation of further decomposition and oxidation products depends upon the fire conditions.

Protective equipment for fire fighting:  
Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Further information:  
Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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## 6. Accidental release measures

Environmental precautions:  
This product is not restricted by related regulation.

Cleanup:  
For small amounts : Pick up with suitable appliance and dispose of.  
For large amounts : Pick up with suitable appliance and dispose of.

Further information:  
None.

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## 7. Handling and storage

Handling  
Protection against fire and explosion:  
Take precautionary measures against static discharges.

Storage  
General advice:  
Keep container tightly closed, Protect against moisture. Extremely dried container (PE plastic bag) and low relative humidity room (50-70% relative humidity) are required.

Storage stability:  
This product could be stored stably for use at least 6 months under the appointed circumstance.

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## 8. Exposure controls and personal protection

Advice on system design:  
Provide local exhaust ventilation to control the concentration of levitative fiber flock.

Personal protective equipment

Respiratory protection:  
Wear an efficient particulate respirator.

Eye protection:  
Tightly fitting safety goggles (chemical goggles).

General safety and hygiene measures:  
Wash skin and soiled clothing after handling.

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## 9. Physical and chemical properties

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|--|-------------------------|
| Physical Form:                             | Flock Fiber             |
| Odour:                                     | Slightly Sour           |
| Colour:                                    | Raw white               |
| PH value:                                  | 5~6                     |
| Boiling Point/Boiling Range:               | Not applicable          |
| Melting Point/Melting Range:               | ~225 °C                 |
| Flash Point:                               | Not applicable          |
| Flammability:                              | Medium flammability     |
| Explosive Properties:                      | None                    |
| Oxidizing Properties:                      | Not available           |
| Vapour Pressure:                           | Not available           |
| Relative Density:                          | 1.150 g/cm <sup>3</sup> |
| Solubility in water:                       | insoluble               |
| Solubility in Fat:                         | insoluble               |
| Partition Coefficient<br>(n-octanol/water) | Not available           |

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## 10. Stability and reactivity

Conditions to avoid:  
Temperature: > 200 degrees Celsius

Decomposition products:  
Hazardous decomposition products: carbon dioxide, carbon monoxide

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## 11. Toxicological information

### Inhalation

Acute oral toxicity (LD) tested in rats is 2000mg/kg, to be classified as non- toxicity industry compounds.

### Chronic toxicity

Other information:  
Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

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## 12. Ecological information

### Environmental toxicity

Other ecotoxicological advice:  
No data can be given due to the product's insolubility in water. At the present state of knowledge, no negative ecological effects are expected.

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## 13. Disposal considerations

Strictness of related regulations may vary with the alteration of federal, state/province and area. Please consult your lawyer or related government officer to get the disposal information. It is not allowed to pour this product into sewers or public waterways.

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## 14. Transport information

This product is not classified as dangerous for transport, keep out high humidity environment.

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## 15. Regulatory information

Label for Supply:

This product is not classified as hazardous under the Dangerous preparations.

Safety Phrases:

Follow proper standards of industrial hygiene. Handle with care. Avoid ingestion, inhalation and eye contact.

Recommended Uses:

Flocking on substrate with suitable adhesive

Restrictions for use: Any kinds of action that enter into human body.

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## 16. Other information

This information and advice given in this Safety Data Sheet is correct to the best knowledge and information collected worldwide, at the time of publication, but does not warrant the completeness or accuracy of the information, and does not be committed to take the responsibility for accidents and damages resulting from the use of or reliance upon this information.

The information is intended for guidance for safe handling, use, storage, and disposal, and does not constitute a warranty or quality specification.