



## D3 Flock Powder

Product Code : D3 Flock Powder  
Product Name : Polyamide Flock 6,6 Dyed

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Date : 01.11.2019

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### **MATERIAL SAFETY DATA SHEET**

#### **1- PRODUCT and COMPANY IDENTIFICATION**

Product Name : D3 Polyamide Flock 6,6 Dyed  
Code : D3-Flock  
Company : D3 Industrial Product INC.  
Address : 11968 Monarch St, Garden Grove, CA, 92821 USA  
Phone : +1 714-892 1999  
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#### **2- HAZARDS IDENTIFICATION**

##### **Warning**



##### ***Hazard Statement(s)***

H302: Harmful if swallowed.  
H319: Causes serious eye irritation.  
H315: May cause skin irritation.  
H335: Causes respiratory irritation.

##### ***Precautionary Statement(s)***

P262: Do not get in eyes, on skin, or on clothing.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P264: Wash hands thoroughly after handling.

##### ***Potential Health Effects:***

The polyamide flock fibers products do not cause negative effects on humans if used in accordance with good industrial hygiene and legal requirements.



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### 3- COMPOSITION / INFORMATION ON INGREDIENTS

Name	CAS No	%
Polyamide 6,6 Flock	32131-17-2	96 - 97.5
Inorganic Sulphate compounds	17927-65-0 / 7783-20-2	0.75 – 1.0
Organic Acids	64-19-7 / 1401-55-4	0.75 – 1.0
Oil alcohol sulphate		0.5 - 1.0
Organic Pigments		0.5 - 1.0

(Cut fiber with diameters of 1 dtex to 22 dtex and mean length of 0,3 mm to 5 mm)

### 4- FIRST AID MEASURES

**Inhalation:** There is not any know hazard if is used using a proper mask, but in addition to this below written preventive actions must take into care during usage.

If the user has any allergic illness, dust mask must be used. Allergic dust which is smaller than 5  $\mu$  and stay in the air as suspend, usually causes inhalation problem. So, the long term uses dust mask should use.

**Skin contact:** It is not harmful to skin. But long-term skin contact, polyamide cut flocks can cause irritation.

In case of fire, the molten product may cause burns. Rinse with plenty of water. Do not attempt to remove clothes (danger of adherence to skin) Call a physician. Keep away from fire. Smoking must be prohibited during usage of the product.

**Eye contact:** As shipped, nylon polyamide fiber products do not pose a hazard. Particles of nylon polyamide fiber may cause mechanical irritation of the skin and eyes. Wash eyes with plenty of water. If irritation develops or persists, consult a physician. Take it out if there is any contact lens.

**Ingestion:** Mouthwash 3-4 times with water. Do not try to come up. In case of emergency call a physician.



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Other, this product can include quantity of color pigment and chemicals used in finishing operations which identified in item 2. In addition to this, it is incorporated in the fiber and does not present a significant hazard.

### 5- FIRE –FIGHTING MEASURES

In case of fire: All usual extinguishing media may be used.

Special information for firefight: Use autonomous respirators to fight fire indoor or in poorly ventilated areas.

Hazardous decomposition products: Depending on temperature and oxygen availability, combustion gasses contain, variable quantities of toxic substances (carbon monoxide, hydrogen cyanide, ammonia, various organic compounds) which must not be inhaled.

### 6- ACCIDENTAL RELEASE MEASURES

Safety precautions: See point 7 and 8 for preventive actions.

Accidental dispersion/ spill: Collect material for controlled re-use or water disposal. No special safety risk nor risk to the environment.

### 7- HANDLING and STORAGE

Fire precautions: Remove dust, fly and finishing residues by ventilation and vacuum cleaning, especially on heat setting operations.

Storage: No special safety precautions

Storage conditions: Consider technical advices referring to optimal processability.

Recommended equipment's and procedures: Take into consideration which is on the label and industrial hygiene rules.

Packages must be closed and stay vertical after use.

Impermissible conditions: Smoking, eating and drinking must be prohibited during usage of product.



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### 8- EXPOSURE CONTROLS / PERSONAL PROTECTION

Industrial hygiene: No special risks if handled accordance with good industrial hygiene practice and legal requirements.

Personal protection: Dust mask and protecting goggles

See point 4. for additional information.

### 9- PHYSICAL PROPERTIES

Appearance	:	Short fibers
Color	:	Dyed
Odor	:	None
Melting Point	:	[°C] 250-260
Flash Point	:	[°C] 350-400
Ignition Temperature	:	about [°C] 420
Thermal decomposition	:	starts at about 350' [°C]
Density	:	[gr/cm <sup>3</sup> ] 1,34-1,35
Apparent density	:	[ kg/m <sup>3</sup> ] 50-200
Vapor pressure	:	Not applicable
Solubility in water	:	Flock products are not water soluble

Explosion limits: Cut flock and air mixture may be exposable within certain concentration limits and sufficiently high ignition energy. Dust explosion class 1, lower range. Normal flock has a minimum ignition energy of about 150 mJ<sup>2</sup>. On DC electrostatic flocking installations, flock fibers samples can only ignited at electric discharge energy > 1300 mJ. Such discharges can only be achieved on a breakdown of the electrostatic flocking installations. On AC electrostatic flocking installations, ignitions of flock are easier. See EN 50223 and HFPA 33 (USA) for safety operating of electrostatic flocking installations.

### 10- STABILITY and REACTIVITY



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Conditions to avoid: None under normal storage conditions  
Materials to avoid: None under normal storage conditions  
Hazardous decomposition products: None under normal storage conditions (See point 5 for combustion off-gases)

### 11- TOXICOLOGICAL INFORMATION

Fiber Products: No special risks on human health if used in accordance with good industrial hygiene practice and the concerning legal requirements.

In case of special end use contact with D3 Industrial Products

### 12- ECOLOGICAL INFORMATION

The fiber product is not associated with ecological problems, provided that the wastes are orderly disposed of. The product is not ecotoxic and not readily biodegradable. Not dissolve in water.

### 13- DISPOSAL INFORMATION

Do not discharge into water channel or drainage. If the product spills accidentally, it can be disposed as solid waste, because of indissolubility.

In case of accidental spill, use vacuum cleaning and ventilation. The product can be re-used.

Consider local legislations and rules for recycling of the packages and disposal.

### 14- TRANSPORT INFORMATION

The polyamide flock fibers products do not occur any risks if used in accordance with preventive actions during transportation.

International regulation:

Class RID/ADR:	:	Not classified as hazardous
Class ICAO/IATA	:	Not classified as hazardous
Class OMI/ IMDG	:	Not classified as hazardous



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### 15- STATUS OF PRODUCT / REGULATORY INFORMATION

Classification and labeling: Not classified as hazardous according to EEC and others.

Safety and risk recommendations relating the product:

- S62 If swallowed, do not try to come up. Immediately, call a physician and show the label.
- S2 Keep out of reach of children
- R8 Contact with combustible material may cause fire
- S16 Keep away from sources of ignition-"No Smoking"
- S18 Handle and open container with care
- S22 Do not breathe dust
- S59 Refer to manufacturer/supplier for information on recovery/recycling

### 16- OTHER INFORMATION

Use the product only for the aim which is recommend. The preventive actions which related legal regulations is user's responsibility.

This safety data sheet uses the format and listing sequence of Commission Directive 91/155/ECC thought the described product is not a dangerous preparation. It is intended to inform about physical properties, safety aspects, toxicological data and ecological characteristics that are relevant for the use of synthetic fibers in textile, technical and industrial applications, and to recommend procedures for their handling, storage and transport.

This safety data sheet is complementing to Technical Data Sheet but does not replace them. The information given is to the best of our knowledge at the date of issue. It does not constitute a contractual description of product properties.

The safety data sheet is not mean to be handed out private end-users.

The safety data sheet does not disengage the user of his duty to know and to apply any law and reglamentacion that may be relevant.



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Additional information may be requested at D3 Industrial Products, If special applications of synthetic fibers are intended.