

# Safety Data Sheet

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

### Identification

Product name: VYDYNE® Nylon 6,6 Plus Additives (Class 100)  
10V, 20M, 20NSP, 21, 21FS, 21FSR, 21M, 21MFS, 21R, 21SPC, 21Z, 22H,  
22HSP, 22X, 24NSL, 24NSPF, 50BW, 50BWFS, 63A, 64C, 64C-R, 65A, 65B,  
66B, 66J, 66R, 66Z, 67B, 805, 800, 810, 820, 830, 870, CG Nylon, 2800,  
2330M, PIQ420, 50BWFSQ420

Reference Number 000000005417 Date 18.04.2007

Type of product Substance

### Use of the substance or preparation

Plastic resins

### Company Information

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## 2. COMPOSITION/INFORMATION ON INGREDIENTS

### Composition

<u>Substance</u>	<u>CAS No.</u>	<u>EC No.</u>	<u>EC Classification</u>	<u>% w/w</u>
adipic acid - hexamethylenediamine resin (nylon 6/6)	32131-17-2			>=98,0 - <=100,0 %

See Section 16 for full text of R-phrases

## 3. HAZARDS IDENTIFICATION

### Classification of the substance/preparation

EU Dangerous Substances Directive 67/548/EC.  
Not classified as dangerous  
Index Number (Annex I):

### **Human health effects**

On the basis of available information, this material is not expected to produce any significant adverse health effects when recommended use instructions are followed.

### **Environmental effects**

On the basis of available information, this material is not expected to produce any significant adverse environmental effects when recommended use instructions are followed.

## **4. FIRST AID MEASURES**

### **General**

Grossly contaminated clothing:  
Remove contaminated clothing immediately.

### **Skin contact**

If splashed by molten material, cool quickly with water and seek medical aid : do not pull off from skin.

## **5. FIRE FIGHTING MEASURES**

### **Extinguishing media**

Water spray, foam, dry chemical, or carbon dioxide

### **Exposure hazards**

None known

Combustion products:  
carbon monoxide (CO), carbon dioxide, ammonia (NH<sub>3</sub>), hydrogen cyanide (HCN), nitrogen oxides (NO<sub>x</sub>)

### **Protective equipment**

Firefighters, and others exposed, wear self-contained breathing apparatus.  
Equipment should be thoroughly decontaminated after use.

## **6. ACCIDENTAL RELEASE MEASURES**

### **Personal precautions**

Use personal protection recommended in section 8.  
Product may cause a slip hazard.

### **Environmental precautions**

Keep out of drains and water courses.  
Pellets may present a physical ingestion hazard to wildlife due to resemblance to grains. Clean up spills immediately.

### **Methods for cleaning up**

In case of spill, sweep, scoop or vacuum and remove.  
Flush spill area with water.

## 7. HANDLING AND STORAGE

### Handling

Handle in accordance with good industrial hygiene and safety practices.  
These practices include avoiding unnecessary exposure and removal of material from eyes, skin and clothing.

### Engineering measures

Provide natural or mechanical ventilation to minimize exposure.  
If practical, use local mechanical exhaust ventilation at sources of air contamination such as processing equipment.

### Storage

Stable under normal conditions of handling and storage.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational exposure limit

National authorities have established limits for particulates not otherwise classified that are the least stringent exposure limits applicable to dusts.

ACGIH TLV: 10mg/m<sup>3</sup> (total dust) 8-hr TWA

ACGIH TLV: 3mg/m<sup>3</sup> (respirable) 8-hr TWA

### Respiratory protection

Avoid breathing dust.  
Use approved respiratory protection equipment when airborne exposure limits are exceeded.  
Consult the respirator manufacturer to determine the appropriate type of equipment for a given application.  
Observe respirator use limitations specified by the manufacturer.

### Hand protection

This product does not present significant skin concern requiring special protection.

### Eye protection

Does not cause significant eye irritation or eye toxicity requiring special protection.  
Use good industrial practice to avoid eye contact.

### Skin protection

Although this product does not present a significant skin concern, minimize skin contamination by following good industrial practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### General information

<b>Form:</b>	pellets
<b>Colour:</b>	cream - tan
<b>Odour:</b>	odourless

### Important health, safety and environmental information

<b>Flash point:</b>	>371 C	Estimated
<b>Dust explosion properties:</b>	If this material is milled or the process generates fines, the fines could form an explosive mixture if dispersed in a sufficient quantity of air.	
<b>Density:</b>	1,13 - 1,15 g/cm <sup>3</sup>	

### Other information

<b>Melting point :</b>	257 - 267 C
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## 10. STABILITY AND REACTIVITY

### Conditions to avoid

None known

### Materials to avoid

None known

### Hazardous reactions

Hazardous polymerization does not occur.

### Hazardous decomposition products

Conditions:	Decomposition occurs above temperature listed below :
Decomposition temperature:	> 300 C
Decomposition products:	carbon monoxide (CO), carbon dioxide, ammonia (NH <sub>3</sub> ), hydrogen cyanide (HCN), nitrogen oxides (NO <sub>x</sub> )

## 11. TOXICOLOGICAL INFORMATION

Solutia has not conducted toxicity studies on this material and no toxicological information was obtained in a reasonably extensive search of the available scientific literature. Results of single exposure (acute) toxicity studies conducted on similar materials indicate that these products are practically nontoxic orally (rats) and after skin application (rabbits). These products are practically non irritating to rabbit skin and are practically non irritating to slightly irritating to rabbit eyes. No adverse effects noted following repeated oral administration.

## 12. ECOLOGICAL INFORMATION

Solutia has not conducted environmental toxicity or biodegradation studies with this material.

## 13. DISPOSAL CONSIDERATIONS

### Disposal considerations

Incineration, Recycle  
All local and national regulations should be followed.

## 14. TRANSPORT INFORMATION

### ROAD/RAIL

**Other** Not regulated for transport.

### SEA

Not regulated for transport.

### AIR

Not regulated for transport.

## 15. REGULATORY INFORMATION

### EC label

EU Dangerous Substances Directive 67/548/EC.

None.

### Contains:

### Other regulation

Germany - WGK (Wassergefährdungsklasse) : not classified

## 16. OTHER INFORMATION

Prepared by the Solutia Hazard Communication Group.

This product may contain other copolymers, colour additives, heat stabilizers, flame retardants and/or other performance additives. Under normal use conditions, these additives are contained within the polymer matrix and occupational exposures are expected to be minimal.

Data sheets prepared or revised since August 2002 have been completed in accordance with the European Communities Directive 2001/58.

Reason for revision: Minor changes :, Section 1

### R-phrases

Number format: ", " used as decimal separator.

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